



Water Years 2014 & 2015

Washington Walla Walla Basin Aquifer Recharge Report



FINAL VERISION

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Water Years 2014 & 2015
Washington Walla Walla Basin Aquifer Recharge Report

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Walla Walla Basin Watershed Council
2015

TABLE OF CONTENTS

Executive Summary	5
Introduction.....	6
Hydrologic Setting.....	6
Aquifer Recharge Sites	14
Locher Road	14
Stiller Pond.....	18
Last Chance Road.....	19
WA Mud Creek	21
Water Year 2014 Recharge Season Results	21
Locher Road	21
Overview	21
Alluvial Well Responses	22
Water Quality.....	27
Soil Quality.....	28
Stiller Pond.....	29
Overview	29
Alluvial Well Responses	31
Water Quality.....	35
Soil Quality.....	36
Water Year 2015 Recharge Season Results	37
Locher Road	37
Overview	37
Alluvial Well Responses	38
Water Quality.....	42
Soil Quality.....	43
Stiller Pond.....	44
Overview	44
Alluvial Well Responses	46
Water Quality.....	49
Soil Quality.....	50
Last Chance Road.....	52

Overview	52
Water Quality.....	52
Soil Quality.....	53
WA Mud Creek	55
Overview	55
Soil Quality.....	55
Summary and Discussion	57
Water Level and Quantity	57
Water Quality	58
References	59
Appendix A - Monitoring well hydrographs, including all available data, for the Locher Road and Stiller Pond Aquifer Recharge sites	
Appendix B - Water & Soil Quality results for WY2014	
Locher Road – WY2014	
Stiller Pond – WY2014	
Locher Road – WY2015	
Stiller Pond 2015	
Last Chance Road – Pre-operations Sampling	
WA Mud Creek – Pre-operations Sampling	
Appendix C - Walla Walla Basin Aquifer Recharge Water Quality and Water Level Monitoring Quality Assurance Project Plan	

EXECUTIVE SUMMARY

This report summarizes operations at the two operating aquifer recharge (AR) sites in the Washington portion of the Walla Walla Basin, the Locher Road Aquifer Recharge (Locher Road) site and Stiller Pond Aquifer Recharge (Stiller Pond) site during Water Years 2014 (WY2014 – October 1 2013 to September 30 2014) and 2015 (October 1 2014 to September 2015). It also summarizes the two new sites that have not operated yet, Last Chance Road and WA Mud Creek. Data include recharge amounts, supporting groundwater level, groundwater quality, source water quality and soil quality data.

For Water Year 2014, water for the Locher Road site was sourced from the Walla Walla River at Gardena Farms Irrigation District #13's (GFID) main diversion just upstream of Mojonner Road. The water was delivered down the Gardena Farms Canal to the Locher Road site. A total of 256.48 acre-feet of water were delivered to the Locher Road site. Water for the Stiller Pond site was sourced from Mill Creek at a private diversion located downstream of Wallula Road. The water was delivered down a pipeline to the Stiller Pond site. A total of ~300 acre-feet were delivered to the Stiller Pond site. The total amount of water diverted for the two aquifer recharge sites during WY2014 was ~556.48 acre-feet (~181.2 million gallons).

For Water Year 2015, water for the Locher Road site was sourced from the Walla Walla River at Gardena Farms Irrigation District #13's (GFID) main diversion just upstream of Mojonner Road. The water was delivered down the Gardena Farms Canal to the Locher Road site. A total of 36 acre-feet (11.7 million gallons) of water were delivered to the Locher Road site. Water for the Stiller Pond site was sourced from Mill Creek at a private diversion located downstream of Wallula Road. The water was delivered down a pipeline to the Stiller Pond site. A total of 214 acre-feet (69.7 million gallons) were delivered to the Stiller Pond site. The total amount of water diverted for the two aquifer recharge sites during WY2015 was ~250 acre-feet (81.5 million gallons).

Water level and water quality data were collected in accordance to the approved monitoring plan with the exception of soil samples were collected after shutdown at the Stiller Pond site instead of before start up (WWBWC, 2012). Down-gradient groundwater monitoring wells in the vicinity of the recharge sites responded to recharge activities, with groundwater elevations increasing and decreasing as recharge operations began and ended.

Groundwater and surface water quality data collected during aquifer recharge activities do not indicate any potential water quality concerns or that AR activities are degrading groundwater quality. Source water being delivered to the AR sites was of acceptable quality and likely resulted in some observed improvement in groundwater quality over the recharge seasons.

INTRODUCTION

The Walla Walla Basin Aquifer Recharge program has been in existence since 2004. The first pilot project, the Hulette Johnson site, was started in Oregon in the spring of 2004. The program expanded in 2006 with the addition of the Hall-Wentland site just south of the Oregon-Washington state line. The first site in Washington, Locher Road, started in 2007. For a more in-depth background to the aquifer recharge program and the Walla Walla basin's hydrology and geology, please see the Walla Walla Basin Aquifer Recharge Strategic Plan (available at www.wwbwc.org).

HYDROLOGIC SETTING

The Walla Walla River (River) system is a bi-state watershed located in northeast Oregon and southeast Washington (Figure 1). The River's headwaters are located in the Blue Mountains, the crest of which defines the eastern extent of the watershed. The mainstem Walla Walla River and its primary tributaries, Mill Creek and the Touchet River, are the three primary surface channels of the system. They coalesce within the Walla Walla Valley from which the Walla Walla River then flows draining to the Columbia River (Figure 2). This report focuses on the portion of the River system that comprises the Walla Walla River mainstem and Mill Creek, especially where they flow onto and across the area referred to in the balance of this report as the Walla Walla Valley (Figure 4).

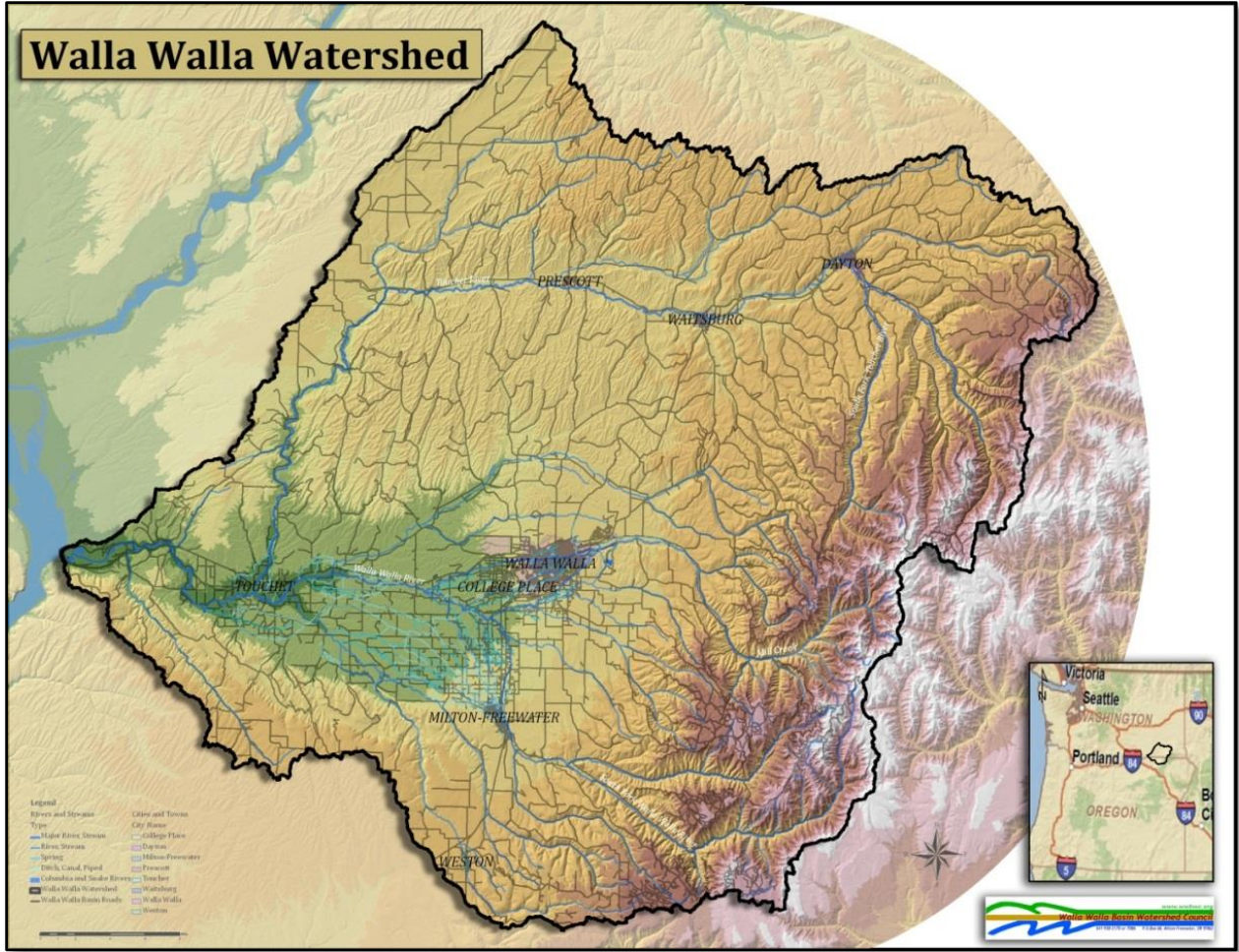


Figure 1 - The Walla Walla Watershed in Northeast Oregon and Southeast Washington.

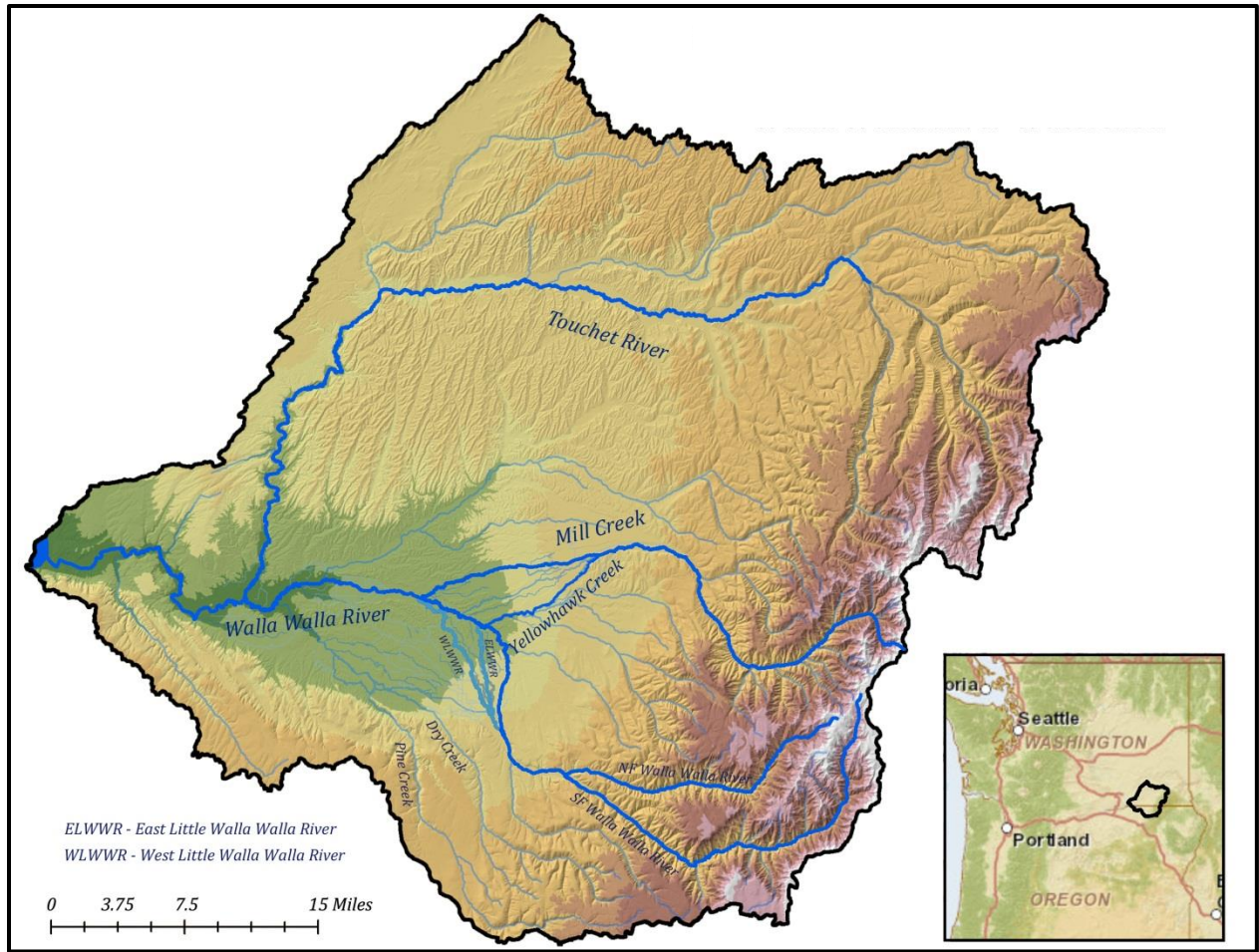


Figure 2 - The Walla Walla River and its major tributaries and distributaries.

Walla Walla Basin hydrology is largely defined by a distributary river system and an underlying alluvial aquifer system hosted by the sediments overlying basalt. Surface waters entering the Walla Walla Valley effectively change regime from steep sided canyons in the headwaters portion of the watershed to a system of distributary and coalescing streams on the valley floor. With this, shallow groundwater systems see a regime change from localized, saturated valley deposits and confined basalt aquifers controlled by the geologic structure of the Columbia River basalt to the more widespread, thick alluvial aquifer system immediately underlying the valley floor. Depth to basalt beneath the base of the canyon floors in the highland areas upstream of the cities of Walla Walla and Milton-Freewater is typically less than 60 feet, with 30 feet more commonly observed. Beneath the valley floor the top of basalt often is hundreds of feet deep below overlying alluvial sediments.

Groundwater in the Walla Walla Basin occurs in two principal aquifer systems: (1) the unconfined to confined suprabasalt sediment (alluvial) aquifer system and (2) the underlying confined basalt aquifer system (Newcomb, 1965). The basalt aquifer system is regional in character, having limited hydraulic connection to the Walla Walla River, primarily in the canyons of the Blue Mountains. The alluvial aquifer system is the focus of the aquifer recharge program because of its high degree of hydraulic connection with streams on the valley floor.

The alluvial aquifer system, or alluvial aquifer, is found within a sequence of continental clastic sediments overlying the top of basalt (the Mio-Pliocene strata (upper coarse, fine and lower coarse units) and the Quaternary coarse unit). Beneath the Walla Walla Valley floor these sediments, and the alluvial aquifer system is up to 800 feet thick. The majority of the productive portions of the alluvial aquifer system are hosted by the Mio-Pliocene coarse unit although, at least locally, it is hosted in the overlying Quaternary coarse unit. The alluvial aquifer is generally characterized as unconfined, but it does, at least locally, display evidence of confined conditions. Preferential groundwater flow within the gravel aquifer is inferred to largely reflect the distribution of coarse sedimentary strata. General groundwater flow direction can be inferred from the alluvial aquifer water table map (Figure 3).

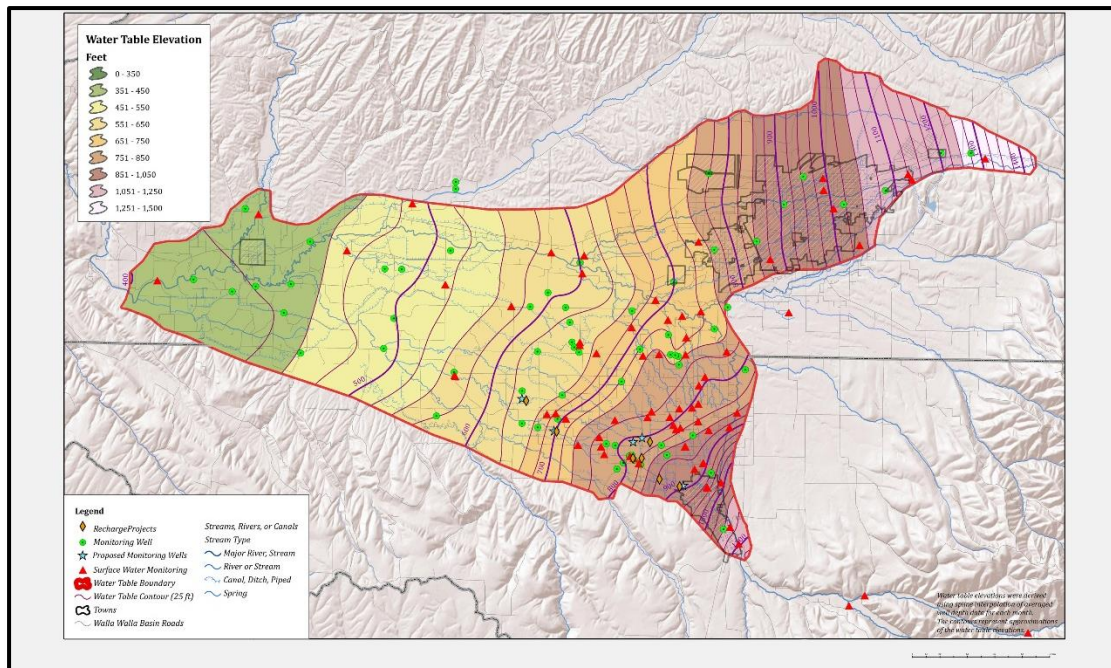


Figure 3 - Water table contours for the alluvial aquifer system.

The surficial hydrology of the Walla Walla Basin generally is defined by streams confined to steep-walled canyons in the foothills surrounding the valley, a distributary stream system as these streams exit the highlands and flow out onto the valley floor, and then, as the streams flow west, they coalesce into the main Walla Walla River channel. The distributary system formed as streams leaving the highlands entered the valley, went from higher to lower gradient and, as a consequence, deposited coarse sediment loads and formed a series of low angle, coalescing alluvial fans. Upon the alluvial fans in and around the cities of Walla Walla and Milton-Freewater these natural distributary channels still exist in part or in whole to this day. These channels are known today as the East Little Walla Walla River, West Little Walla Walla River, Mud Creek, Yellowhawk Creek, and Garrison Creek. Prior to the development of water resources in the valley, these distributary channels, with other (un-named) channels, served as high water channels that conveyed high

amounts of energy and water across the alluvial fan and away from the mainstem Walla Walla River and Mill Creek. The channels run for several miles, accumulating spring flow, before returning back to the River further down the valley (Figure 4).

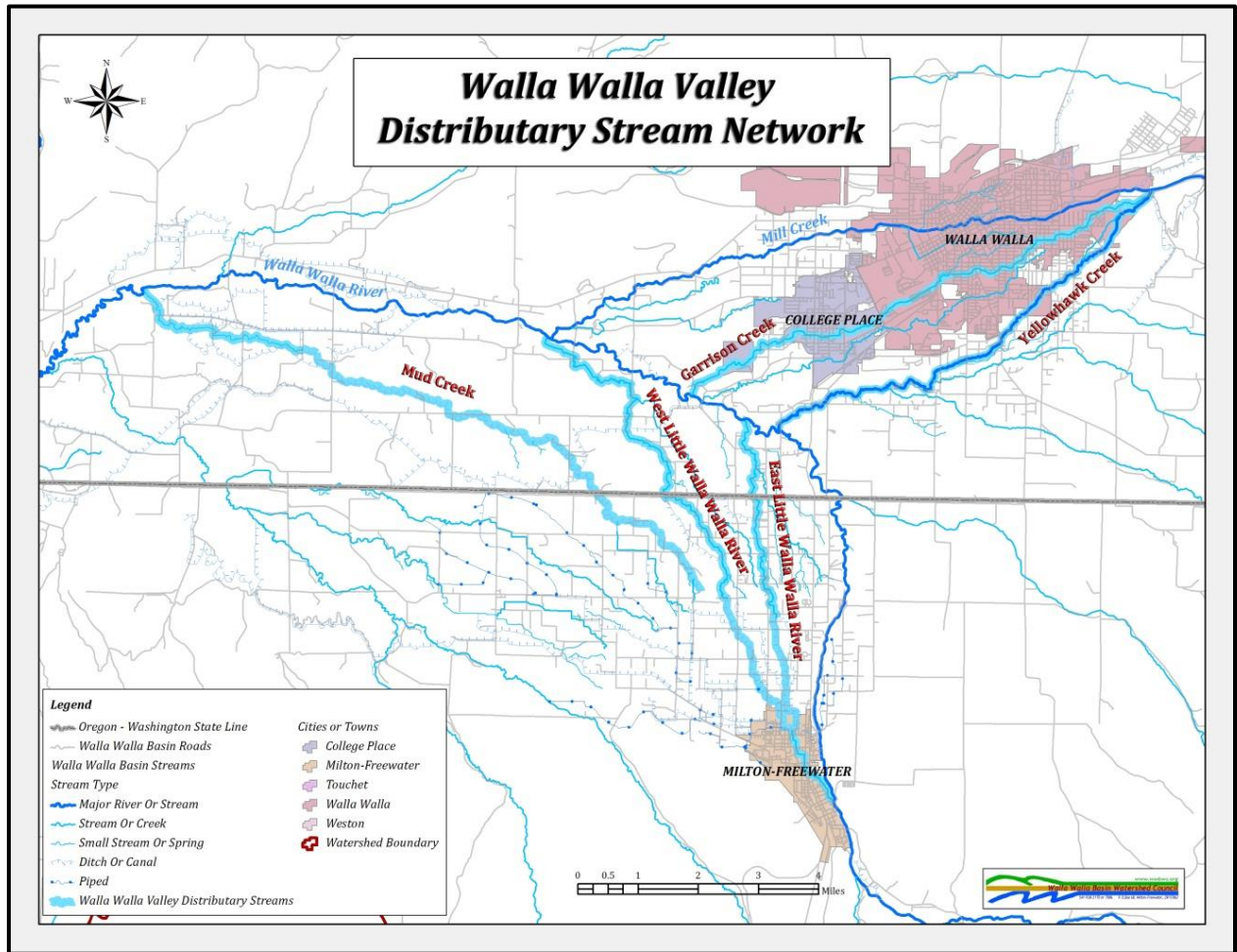


Figure 4 - Map of the distributary stream networks of the Walla Walla River and Mill Creek. Historically these stream networks conveyed winter and spring high flows across the valley’s alluvial fans allowing for reduced flood pressure on the mainstem rivers, provided off-channel habitat and provided recharge to the alluvial aquifer system.

In recent decades the management and development of surface water resources has led to installation of flow control devices (irrigation head gates) at the head of the distributary channels. Over time, the management of the distributary network has become less natural. High flows during the winter and spring no longer have free access to the distributary network and the adjacent floodplains. This, along with the development of groundwater resources and the channelization of the valley’s rivers and creeks, has created a declining alluvial aquifer condition.

Generally, the 'spreading out' of water across the alluvial fans via distributary channels and adjacent floodplains, coupled with the high hydraulic conductivity of the underlying coarse sediment, function as a primary groundwater recharge mechanism for the entire alluvial aquifer. This seasonally recharged aquifer system in-turn feeds the valley's springs, spring creeks and larger streams. This cycling of surface water to groundwater recharge, followed by later discharge in springs and as stream base flow creates a delay in discharge of these waters from the valley. Depending on local conditions, this delay can range from days to months, and even years (Jiménez, 2012).

The declining alluvial aquifer, coupled with high connectivity between surface water and alluvial groundwater, has created stream reaches where high seepage loss occurs and significant volumes of surface water drain to the aquifer (Figure 5 & 6). In recent years, the listing of steelhead and bull trout as threatened under the Endangered Species Act and the reintroduction of spring chinook salmon within the watershed, has led to out-of-court agreements between irrigators and Federal fishery agencies. As a result of these agreements, local irrigators are leaving a portion of their legal water rights instream as bypass water year round. For example, per civil agreement, Gardena Farm Irrigation District #13 (GFID) irrigators leave 18 cfs instream (bypass) throughout the year. However, depending on the water-year and a number of other factors, it is not unusual to have a significant portion (40-50%) of the bypass water seep into the underlying aquifer.

Spring fed creeks across the valley, sourced by springs discharging from the alluvial aquifer, have seen declining discharge since the earliest hydrogeologic studies were conducted by Piper (acting on behalf of the US Supreme Court) in the 1930s, Newcomb in the 1960s and Barker and MacNish in the 1970s. Water level declines in the alluvial aquifer since the 1930s and 1940s (Figures 7 & 8) are consistent with the general decline of the related springs (Figure 9). These trends lead one to conclude that there has generally been decreasing groundwater-sourced baseflow over the past several decades contributing to the Walla Walla River and other surface bodies during critical low-flow periods. This loss of groundwater baseflow to streams affects not only the amount of flow in the river but also leads to increased surface water temperature as the cold groundwater derived baseflow is lost.

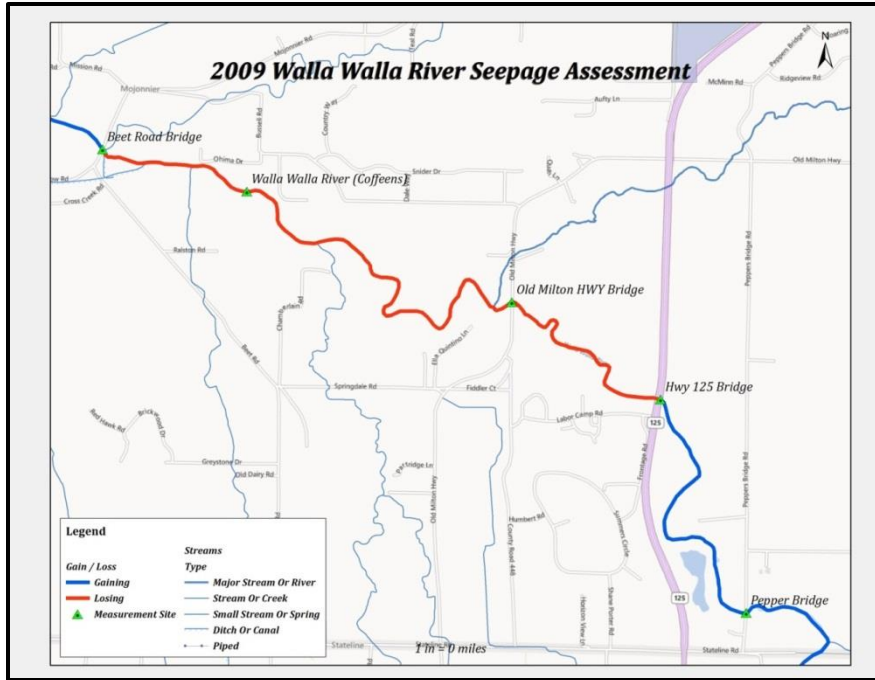


Figure 5 - Results from the water budget analysis of the Walla Walla River in August 2009. Color indicates a given reach as either gaining or losing. Gains indicate groundwater discharging to the river and losses indicate surface water seeping into the ground (see WWBWC, 2012 for details).

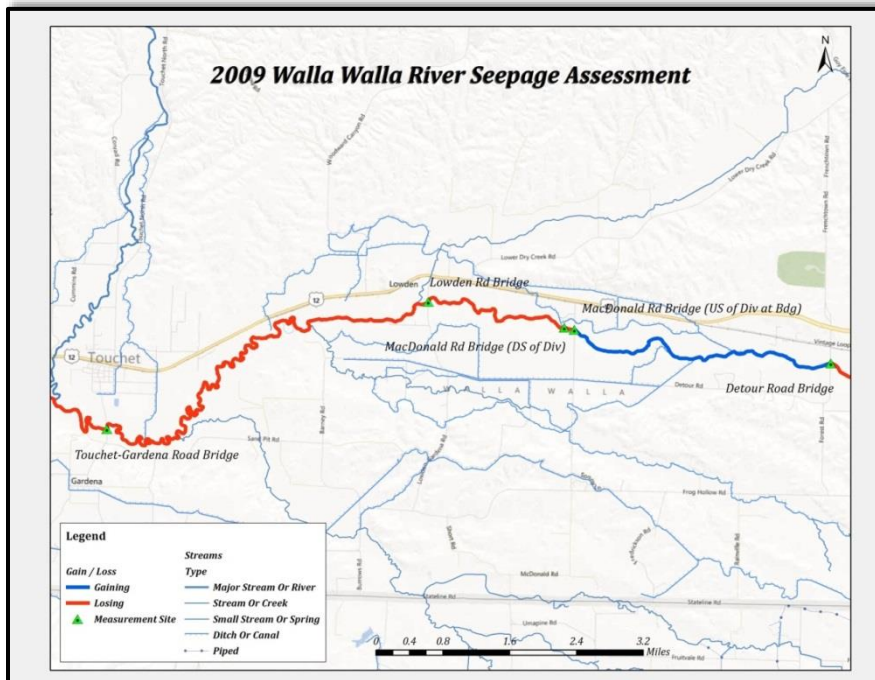


Figure 6 - Results from the water budget analysis of the Walla Walla River in August 2009. Color indicates a given reach as either gaining or losing. Gains indicate groundwater discharging to the river and losses indicate surface water seeping into the ground (see WWBWC, 2012 for details).

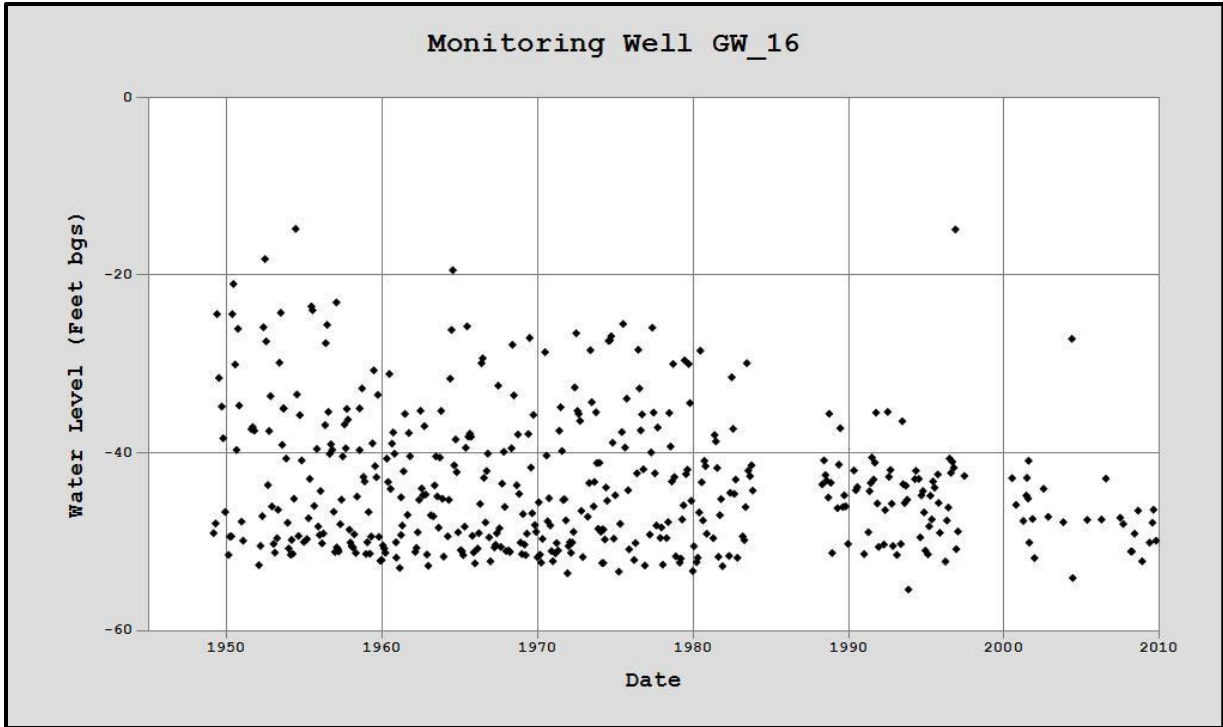


Figure 7 - Hydrograph for Monitoring Well GW_16 showing the long-term decline in the alluvial aquifer system in the Walla Walla Basin.

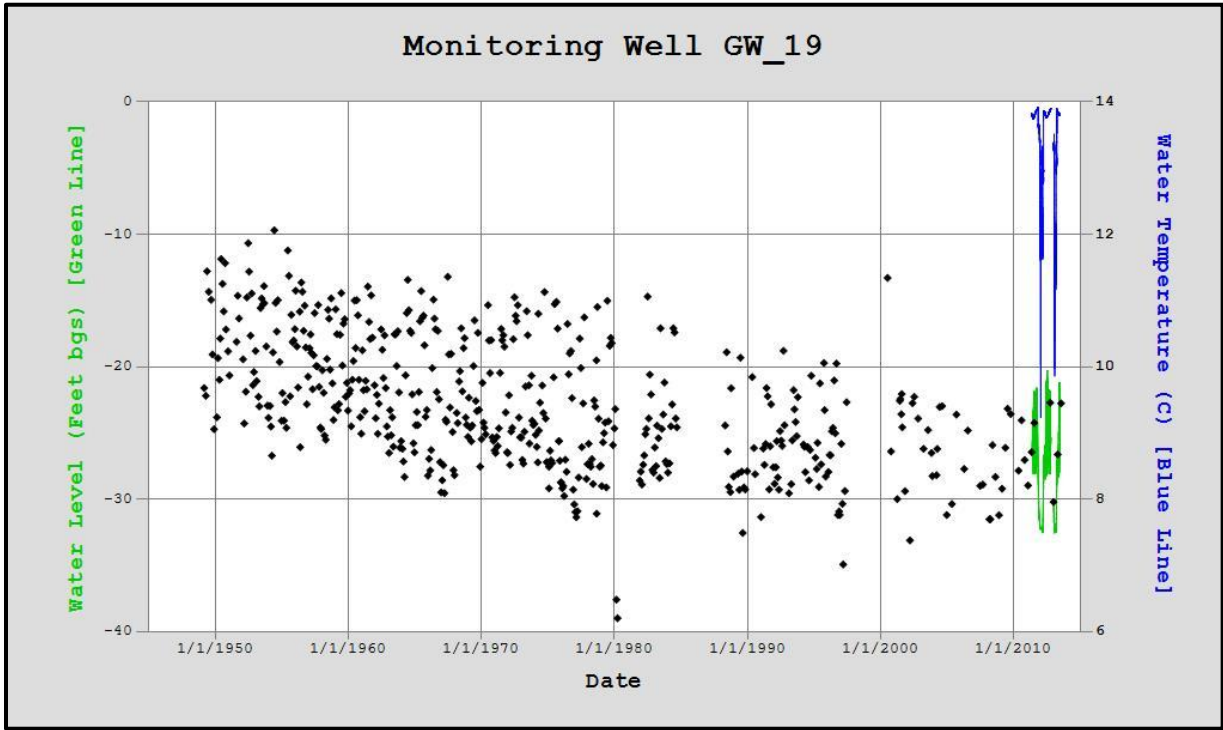


Figure 8- Hydrograph for Monitoring Well GW_19 showing the long-term decline in the alluvial aquifer system in the Walla Walla Basin.

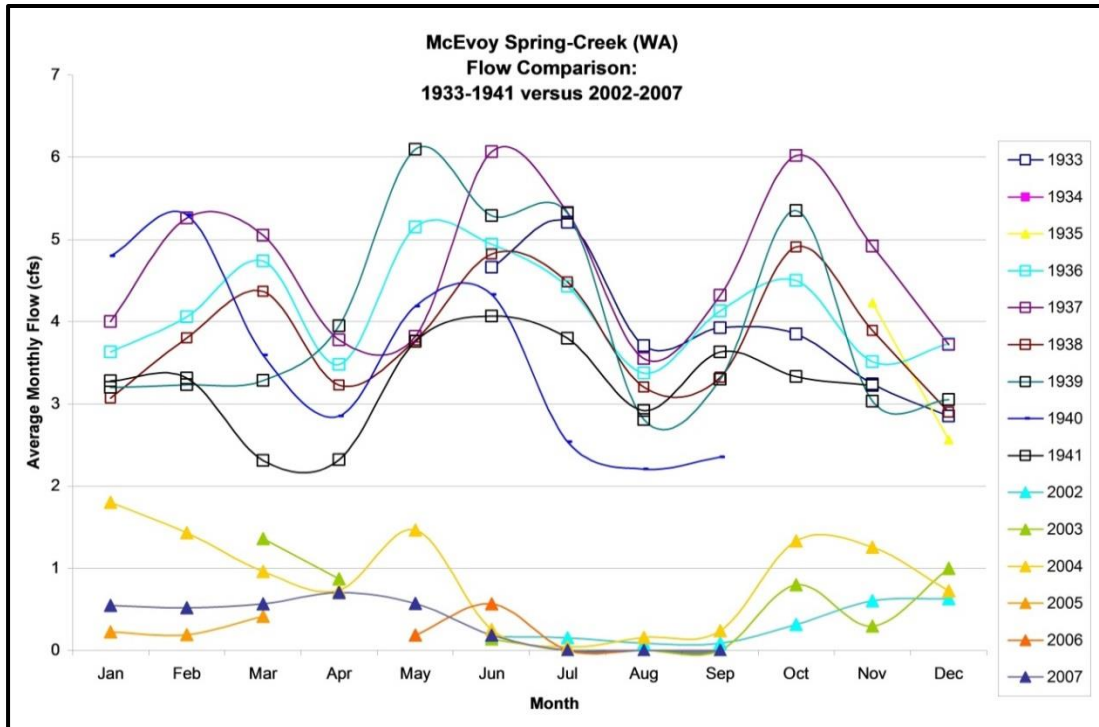


Figure 9 - Hydrograph for McEvoy Spring Creek located just north of the WA-OR state line. Hydrograph shows the decline in spring performance over the last 80 years.

AQUIFER RECHARGE SITES

LOCHER ROAD

The Locher Road site (Figure 10), located at the intersection of Stateline Road and Locher Road, is a former gravel quarry that has been operated by GFID as an aquifer recharge (AR) site since 2007. From 2006-2007 through the end of the 2010-2011 season, approximately 1/3 acre of the 4+ acre site was utilized for recharge. In late 2011, the site was reconstructed to allow infiltration over a 2.5 acre portion of the site (Figures 11-15). Inflow volume rates at the site increased from approximately 1.3 cfs to 3.5 cfs. Total recharge volumes for each season are described below in the results section.

The Locher Road site has operated under successive one and two-year temporary use authorizations issued by WADOE. In addition to the temporary use authorizations, in 2010 the Walla Walla Watershed Management Partnership (WWMP), a locally led organization that co-manages Walla Walla Basin water resources with the State of Washington, passed a Local Water Plan (LWP) that allows GFID to utilize up to 5 cfs of its existing water right for AR (WWMP, 2010). This authorization, like the temporary use authorization, is governed by the maintenance of minimum instream flows in the river (measured at the Detour Road gauging station), water quality testing, and hydrologic monitoring in local wells and surface water points.

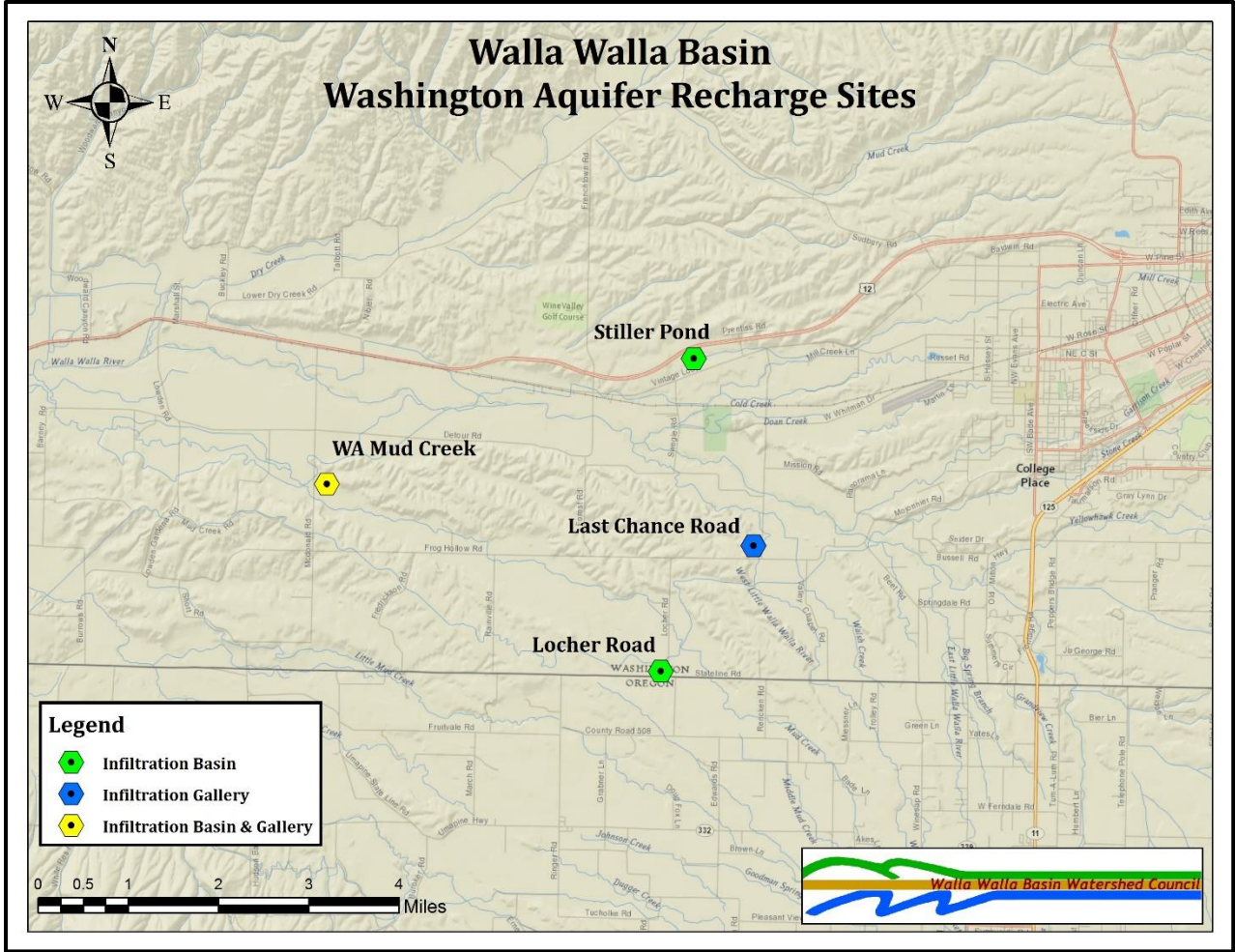


Figure 10 – Walla Walla Basin Washington Aquifer Recharge Sites.

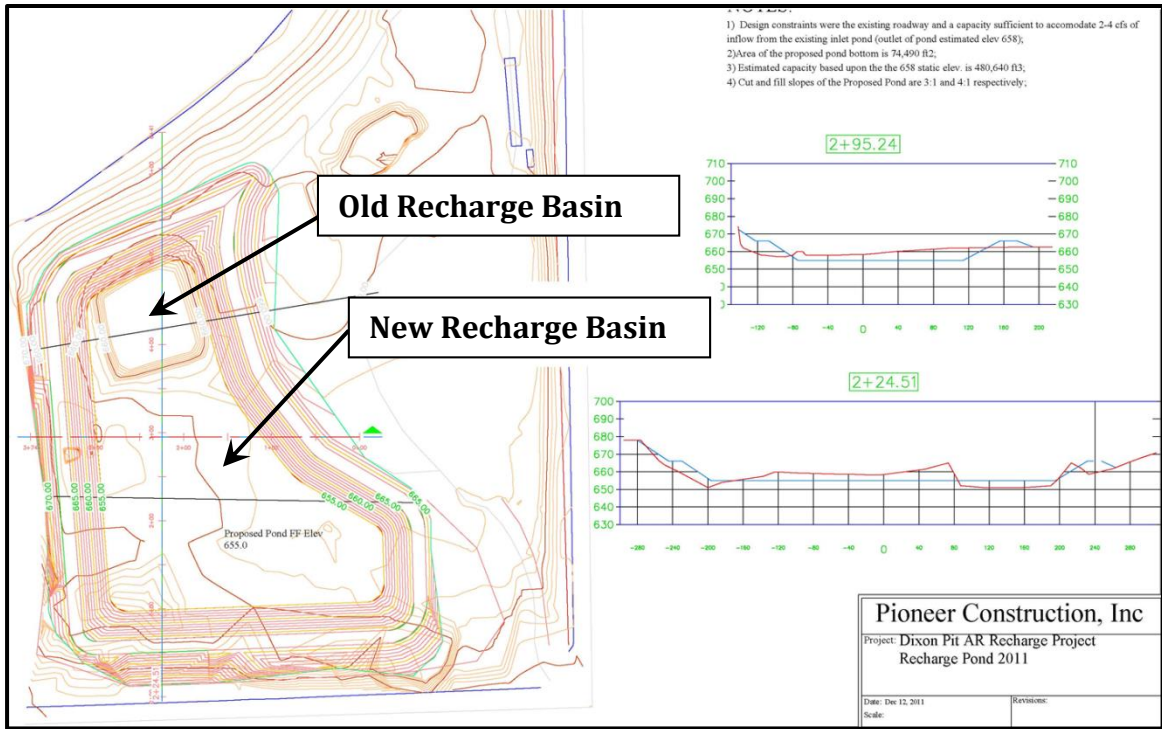


Figure 11 - Preliminary design for expansion of the Locher Road site's main recharge basin in late 2011.



Figure 12 - Photo during expansion of the Locher Road site's main recharge basin, December 2011.



Figure 13 - Photo of the completed expansion of the Locher Road site's main recharge basin, December 2011.



Figure 14 - Photo of the Locher Road aquifer recharge site during operations.

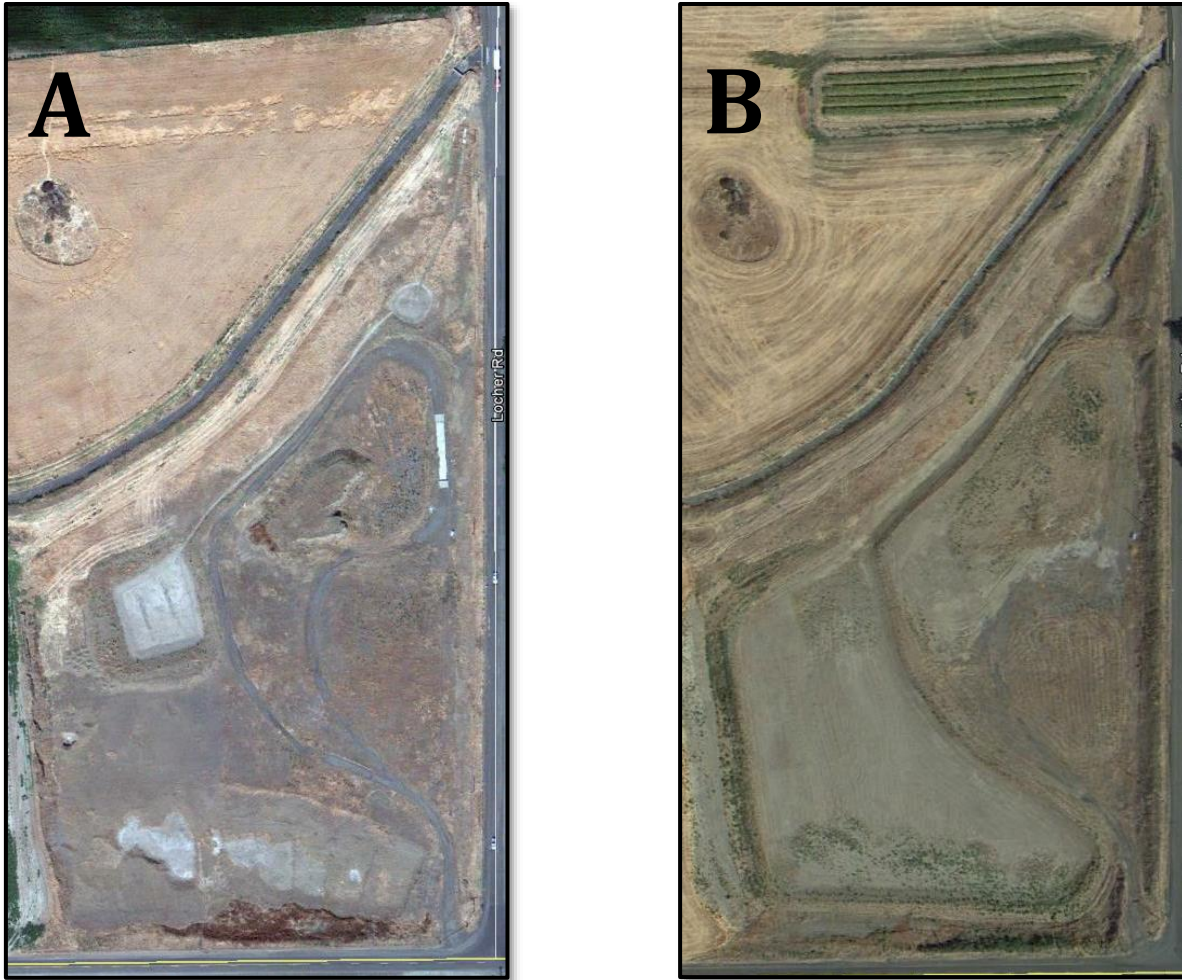


Figure 15 - Aerial photographs showing the Locher Road site before (A) and after (B) the expansion that occurred in December 2011. The diversion and settling pond were not changed. During the expansion work, the ditch from the diversion flume to the settling pond was reinforced with additional rock and the main recharge basin was expanded from approximately 1/3 of an acre to approximately 2.5 acres.

STILLER POND

In 2012 the WWBWC and the Walla Walla County Conservation District (WWCCD) partnered to develop this AR site (Figure 10 & 16). This site is currently operated under a Local Water Plan with the Walla Walla Watershed Management Partnership (WWWMP) to recharge up to 32 acre-feet of the landowners existing water right via a dry pond located on the Schwenke property, within the lower Mill Creek drainage. Additional authorization for an Environmental Enhancement Project (EEP) was issued in early 2014. This additional authorization allows for diversion of up to 991 acre-feet of water from Mill Creek to the Stiller Pond for AR.

In its current configuration the Stiller Pond site can recharge approximately 1-2 cfs depending upon other demands from the diversion system. Future plans include a new diversion structure and larger pump to allow the delivery of up to approximately 4 cfs to the site. Like the Locher Road site,

this authorization requires minimum instream flow to be met at two gages on Mill Creek and at the WADOE Walla Walla River gauging station at Detour Road and additional hydrologic monitoring and water quality analysis (GSI, 2012 and WWBWC, 2013).



Figure 16 - Stiller Pond Aquifer Recharge site during operations.

LAST CHANCE ROAD

The Last Chance Road site was constructed in June 2015 (Figure 10, 17 and 18). The site did not operate during the 2015 recharge season, but is ready for future operations. The site includes two recharge features, an infiltration gallery and a new open ditch along the hillside. The project also installed a fish screen on the diversion from the West Little Walla Walla River. This site is currently permitted under a Local Water Plan with the Walla Walla Watershed Management Partnership (WWWMP) to recharge up to 250 acre-feet per year from November 1-May 30. Minimum instream flows (1 cfs) for the site will be measured at the WWBWC's gauge on the West Little Walla Walla River at Swegle Road (S-227). In its current configuration, the Last Chance Road site can recharge up to 1 cfs of water from the West Little Walla Walla River. If the site continues to operate, an Environmental Enhancement Project permit may be sought for the site (WWWMP, 2014).



Figure 17 - Infiltration gallery area for the Last Chance Road Aquifer Recharge site.



Figure 18 - Irrigation ditch, fish screen and intake (back left) for the Last Chance Road Aquifer Recharge site.

WA MUD CREEK

The WA Mud Creek site is currently being designed and will be constructed in the fall of 2015 (Figure 10). The site will encompass two recharge areas with water delivered via two separate irrigation ditches. The first recharge area will be supplied by the Gardena Farms Canal on the south side of the property. Water from this canal will feed into an infiltration gallery in a draw up-gradient of Mud Creek. The second recharge area will be supplied by the Lowden #2 ditch on the northern side of the property. Water from this ditch will feed into an infiltration pond within an existing pasture. The pasture will be reconfigured to enhance infiltration as much as possible. This site is currently permitted under a Local Water Plan with the Walla Walla Watershed Management Partnership (WWWMP) to recharge up to 783.7 acre-feet per year from November 1-May 30. The designed recharge areas are estimated to recharge approximately 1.5-2 cfs between the two sites. If the site continues to operate, an Environmental Enhancement Project permit may be sought for the site (WWWMP, 2014a).

WATER YEAR 2014 RECHARGE SEASON RESULTS

LOCHER ROAD

OVERVIEW

During the WY2014 recharge season, the Locher Road site operated under the Local Water Plan authorization because the temporary authorization had expired. The site operated from early April until late May. Minimum in-stream bypass flows did not prevent the site from operating during the WY2014 season until the last part of May (Figure 19).

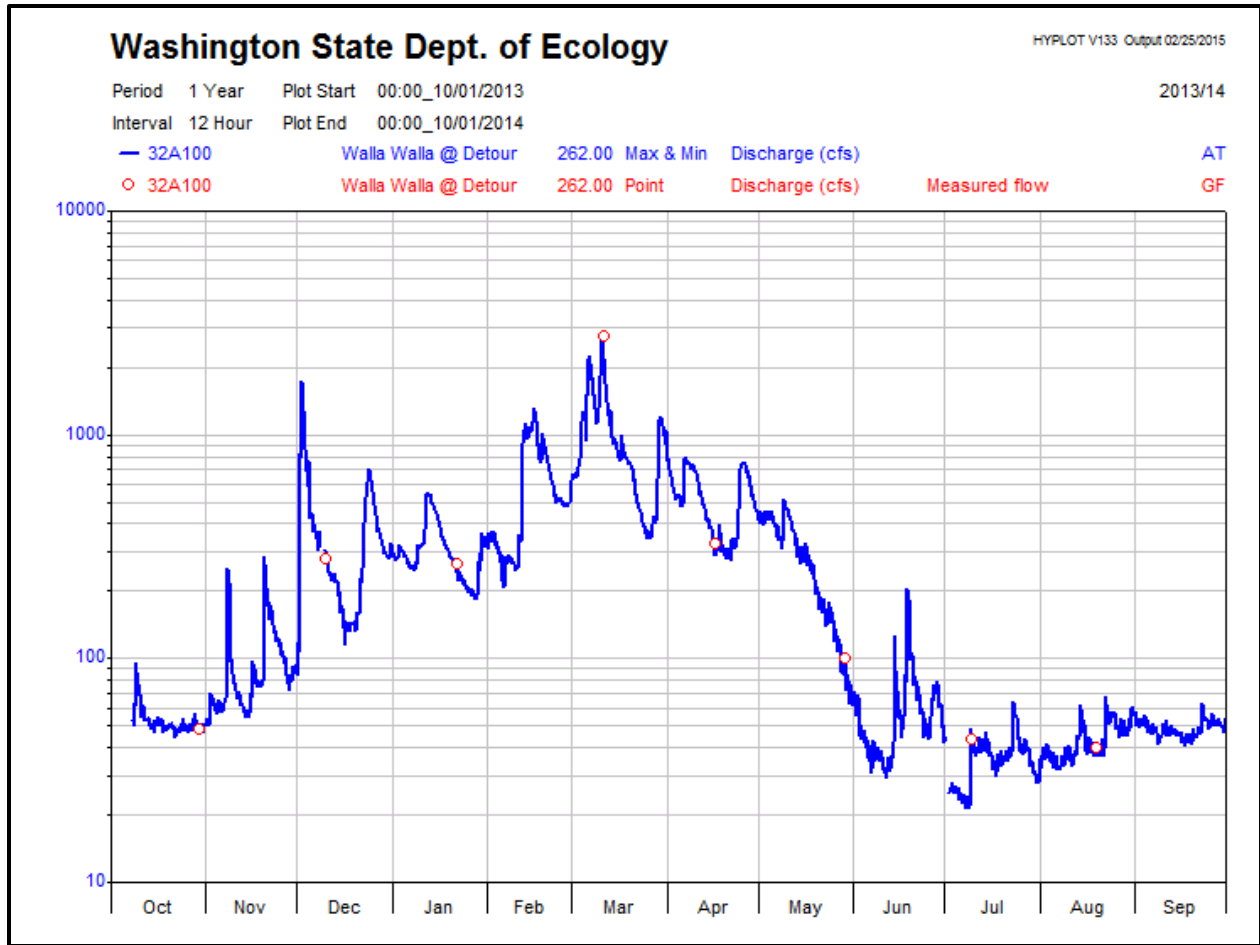


Figure 19 – Water Year 2014 hydrograph for Washington Department of Ecology’s Walla Walla River at Detour Road (32A100) gage.

ALLUVIAL WELL RESPONSES

Groundwater monitoring (Figure 20) at the Locher Road site includes four “on-site” monitoring wells (GW_57, GW_70, GW_71 and GW_72), three down-gradient monitoring wells (GW_108, GW_110 and GW_122) and two down-gradient irrigation wells. The four on-site wells surround the site with GW_70 up-gradient, GW_72 and GW_57 immediately down-gradient of the site and GW_71 farther down-gradient. Wells 70, 71 and 72 are shallow alluvial aquifer monitoring wells that were drilled in 2005 to monitoring site operations and aquifer response while well 57 was drilled in 1972-73 to be fully open to the entire gravel sequence. The “on-site” monitoring wells all show a similar response to canal and recharge operations (Figures 21-24). Water levels rise in early October with the start of the Gardena Farms Canal for fall irrigation. The canal was turned off in early-mid December. Starting in early December water levels show neutral to declining conditions until the canal turned on again in early March. Water levels increase due to canal operations through late March and early April. Recharge operations start in mid-April and water levels respond with a sharp increase until recharge operations stop in late May. Water levels decrease after recharge and continue to decline after the Gardena Farms Canal is shut down in early July. Down-gradient wells do not show the same rapid response to canal or recharge operations (Figures

25-27). One of the offsite, distal, monitoring wells, GW_108, also show the influence of nearby groundwater pumping on alluvial aquifer water levels during and after recharge operations.

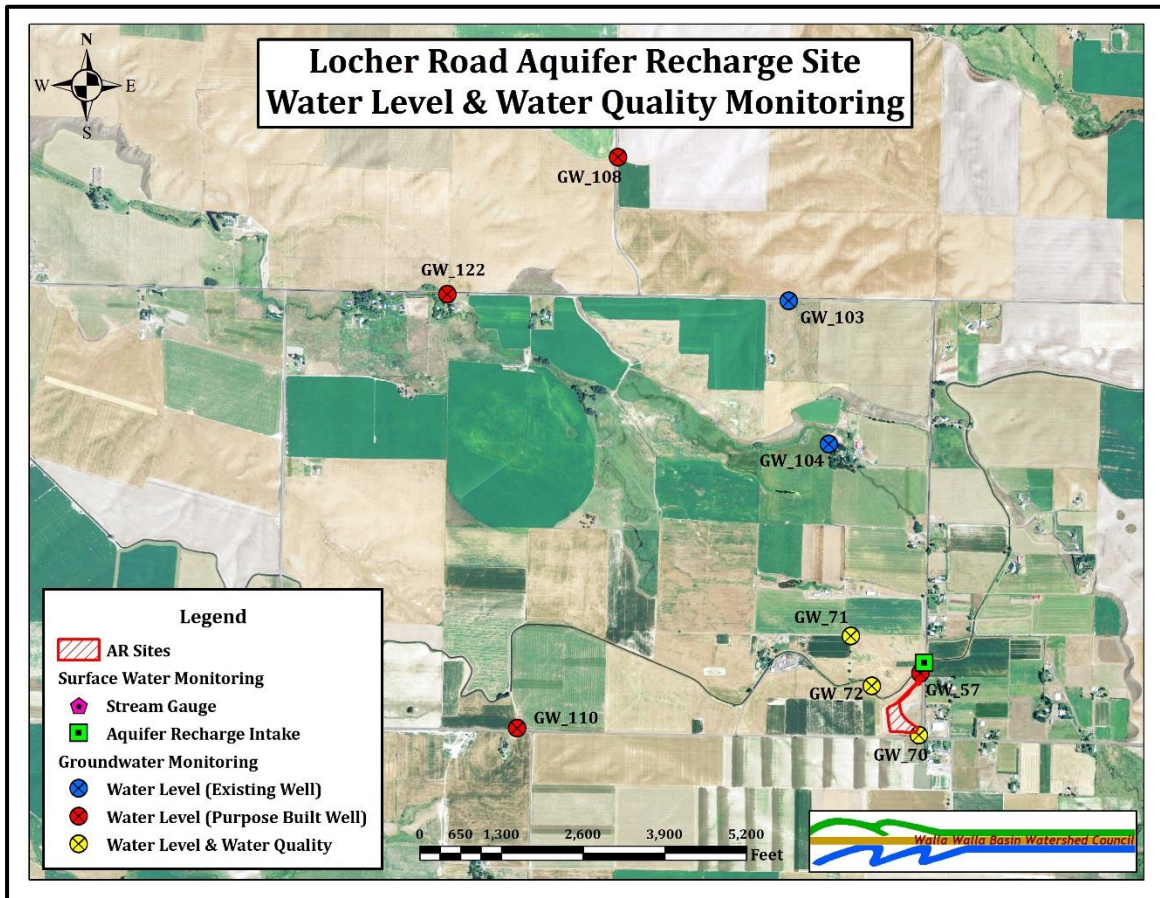


Figure 20 – Map showing groundwater monitoring sites for the Locher Road Aquifer Recharge Site.

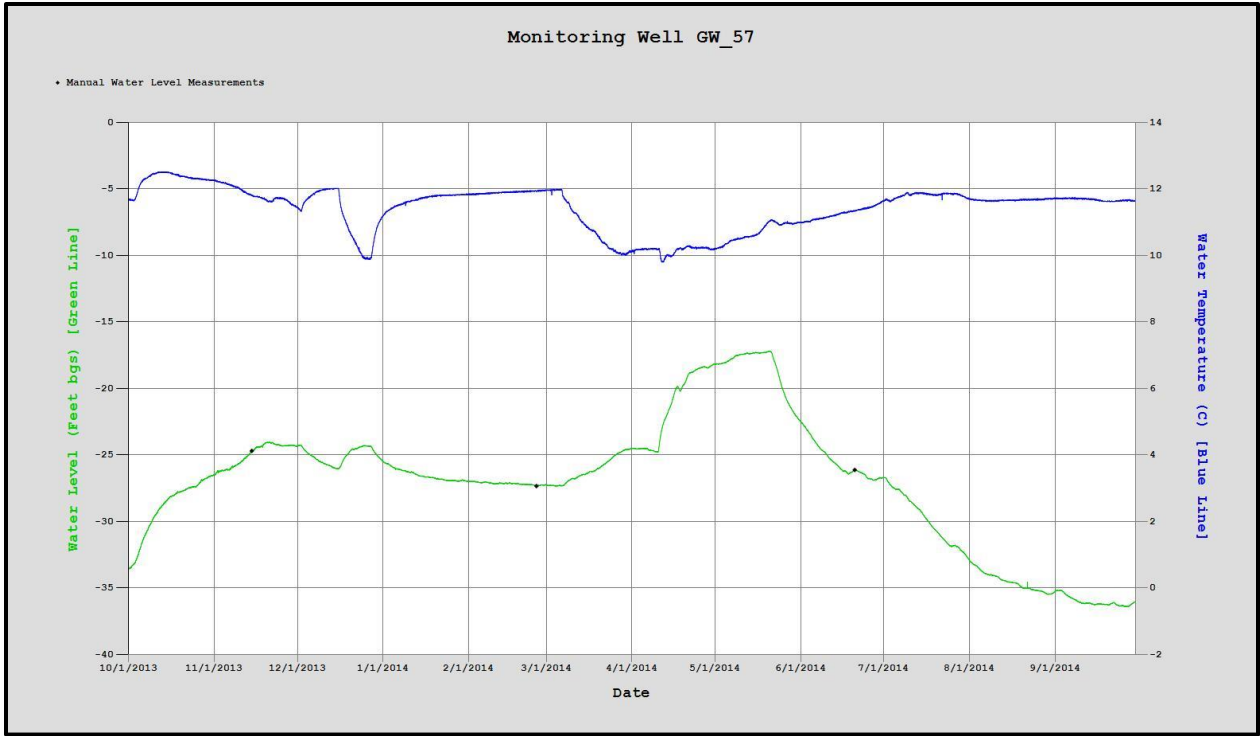


Figure 21 - Hydrograph for GW_57 during the WY 2014 recharge season.

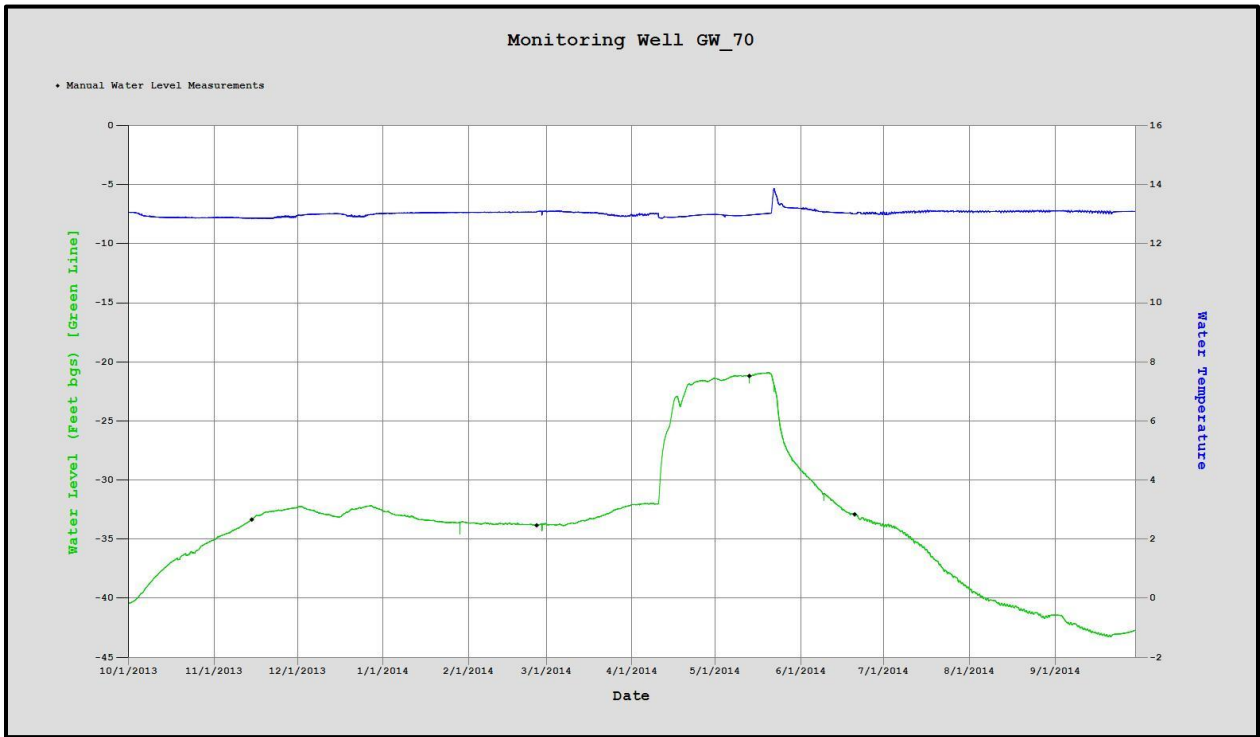


Figure 22 - Hydrograph for GW_70 during the WY 2014 recharge season.

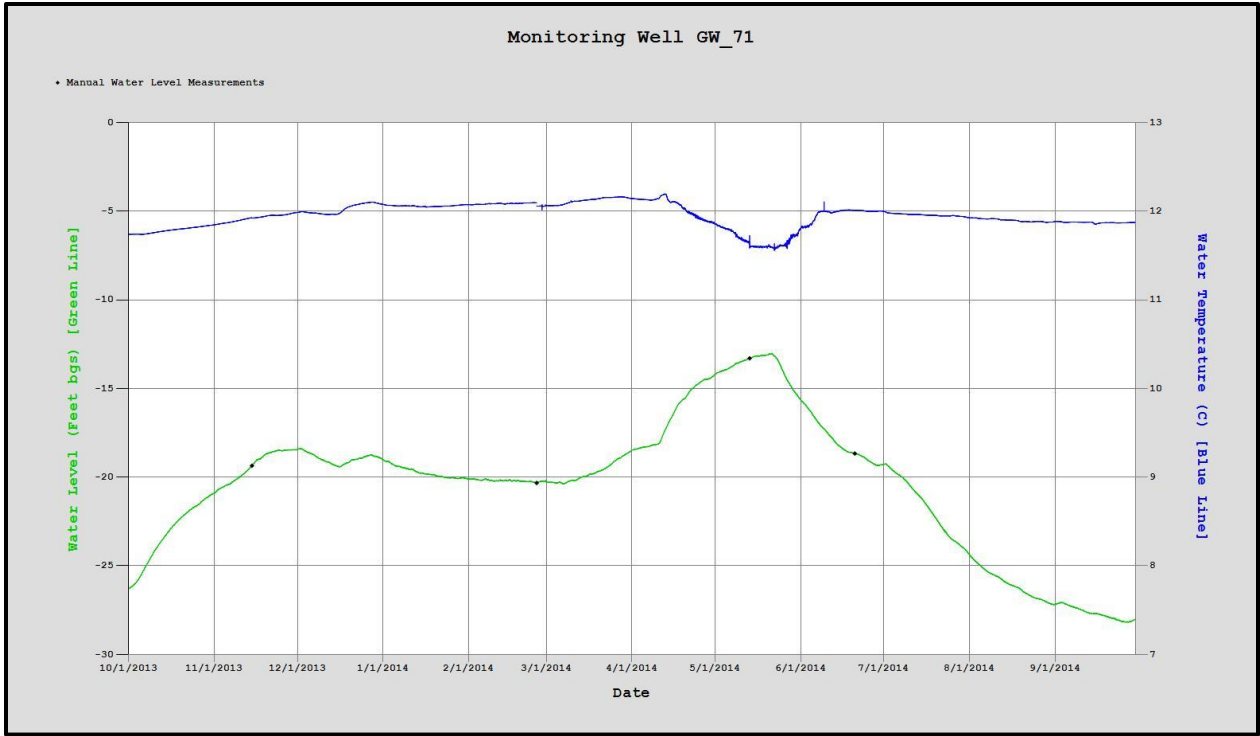


Figure 23 - Hydrograph for GW_71 during the WY 2014 recharge season.

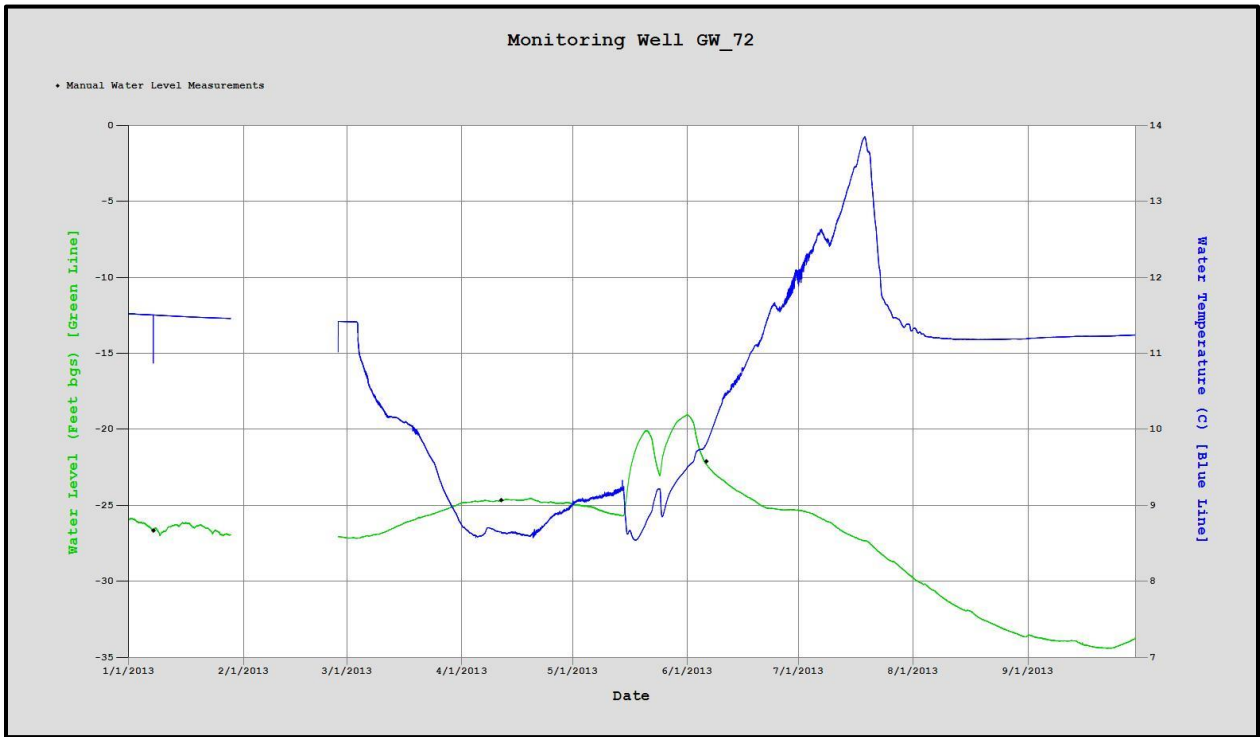


Figure 24 - Hydrograph for GW_72 during the WY 2014 recharge season.

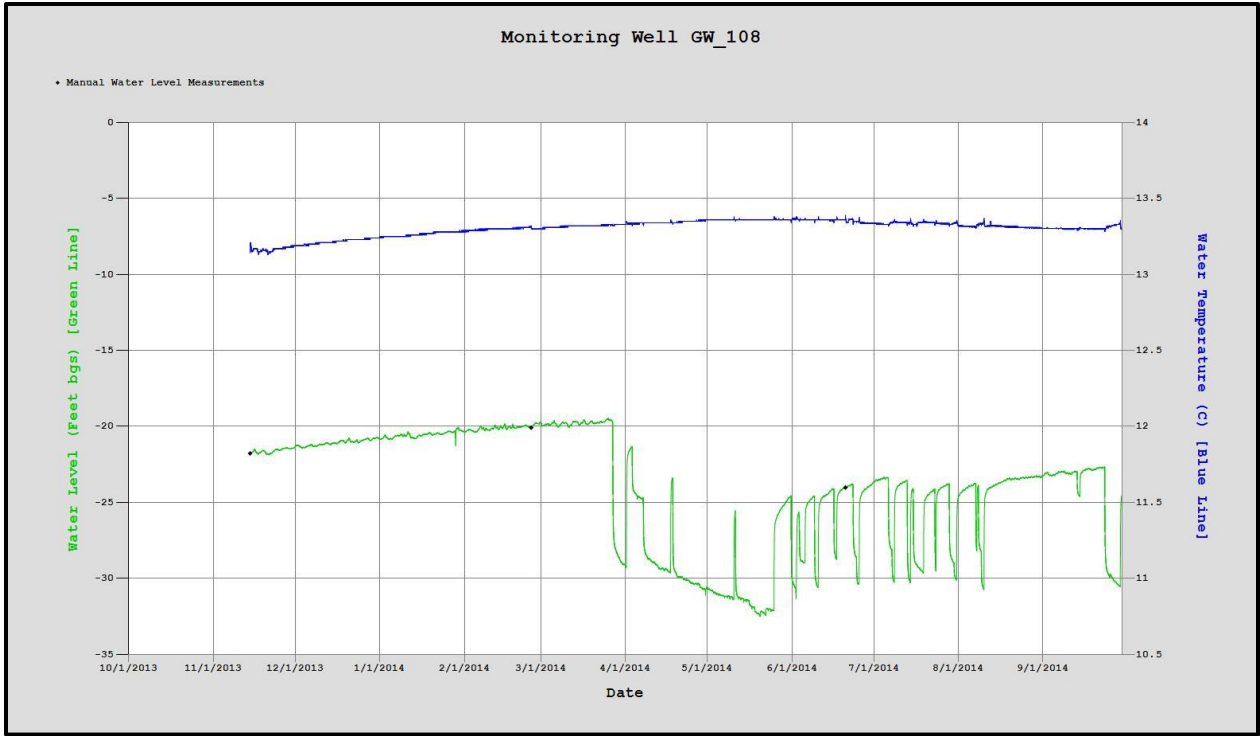


Figure 25 - Hydrograph for GW_108 during the WY 2014 recharge season. Note drawdowns during April-September from potential influence of nearby pumping well(s).

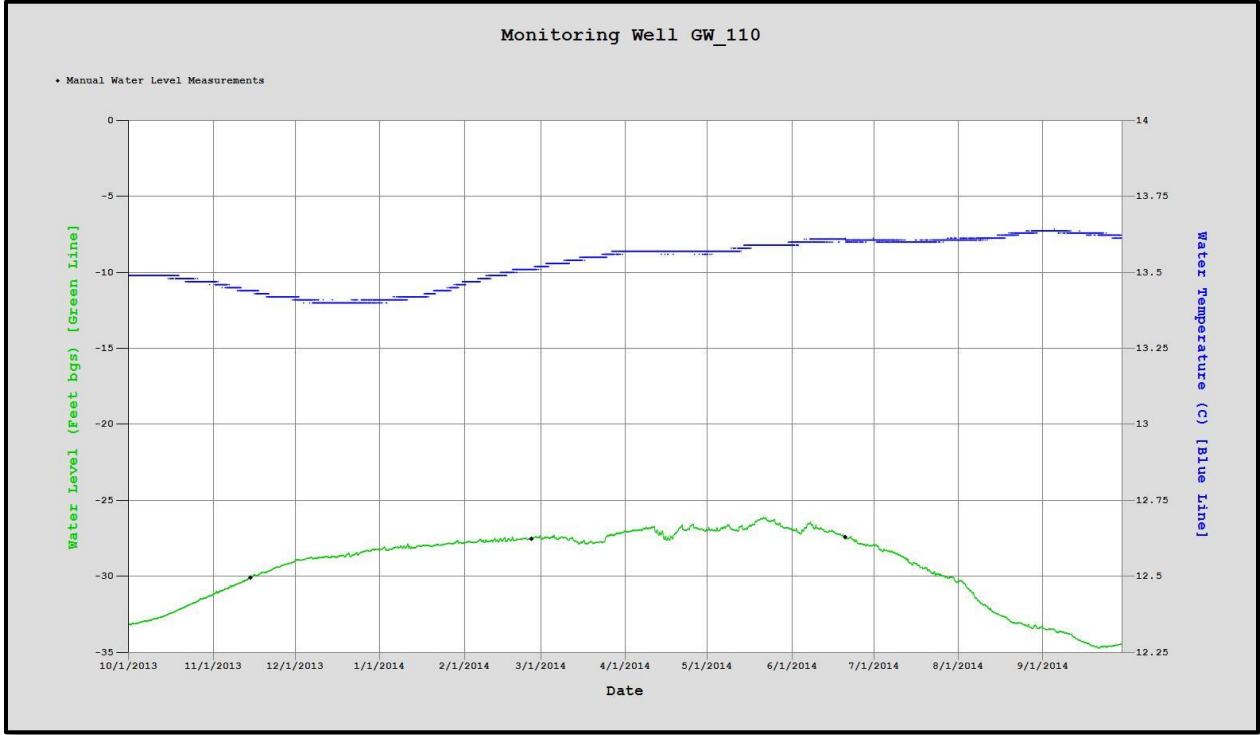


Figure 26 - Hydrograph for GW_110 during the WY 2014 recharge season.

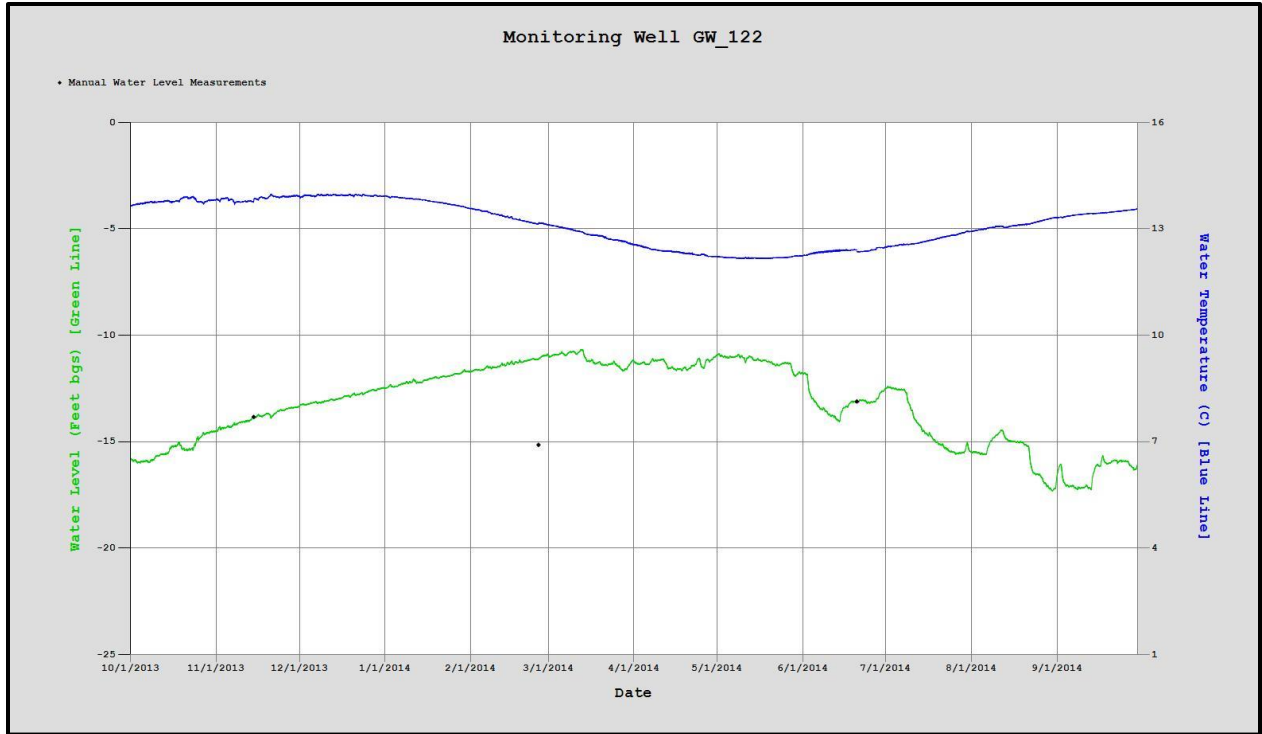


Figure 27 - Hydrograph for GW_122 during the WY 2014 recharge season.

WATER QUALITY

Full water quality data and laboratory QA records can be found in Appendix B.

SOURCE WATER

Sample Parameter	February 27 th , 2014	May 13 th , 2014	June 9 th , 2014
pH	7.40	7.54	7.78
Nitrates (mg/L)	0.35	0.19	0.65
Calcium (mg/L)	7.5	7.5	13.2
Total Dissolved Solids (TDS) (mg/L)	86	68	105
Chloride (mg/L)	0.9	0.89	2.06
Total DCPA (Dacthal) (µg/L)	0.12	0.16	0.67
Polychlorinated Biphenyls (pg/L)	32.9	68.5	1490

UP-GRADIENT WELL (GW_70 - L1)

Sample Parameter	February 27 th , 2014	May 13 th , 2014	June 9 th , 2014
pH	7.17	6.95	6.87
Nitrates (mg/L)	6.72	0.25	3.31
Calcium (mg/L)	37.8	9.8	23.4
Total Dissolved Solids (TDS) (mg/L)	273	95	174
Chloride (mg/L)	6	1.10	3.31
Total DCPA (Dacthal) (µg/L)	ND	0.10	ND
Polychlorinated Biphenyls (pg/L)	713	1110	1120

MID-GRADIENT WELL (GW_72 - L3)

Sample Parameter	February 27 th , 2014	May 13 th , 2014	June 9 th , 2014
pH	7.24	6.88	6.76
Nitrates (mg/L)	3.23	1.41	0.86
Calcium (mg/L)	17.5	10.6	11.1
Total Dissolved Solids (TDS) (mg/L)	147	101	98
Chloride (mg/L)	2.4	0.95	1.67
Total DCPA (Dacthal) (µg/L)	ND	0.04	ND
Polychlorinated Biphenyls (pg/L)	681	699	1130

DOWN-GRADIENT WELL (GW_71 - L2)

Sample Parameter	February 27 th , 2014	May 13 th , 2014	June 9 th , 2014
pH	7.12	6.62	6.82
Nitrates (mg/L)	3.45	22	10
Calcium (mg/L)	24	53.3	34.3
Total Dissolved Solids (TDS) (mg/L)	190	373	250
Chloride (mg/L)	4.3	4.63	4.03
Total DCPA (Dacthal) (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	710	1120	984

SOIL QUALITY

Full soil quality data and laboratory QA records can be found in Appendix B.

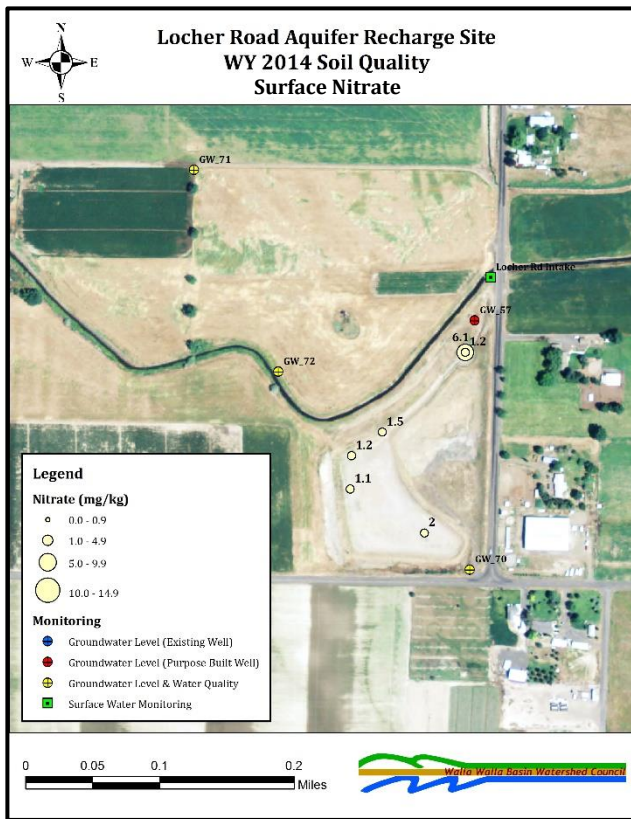


Figure 28 – Surface soil nitrate values at the Locher Road site during the WY2014 recharge season.

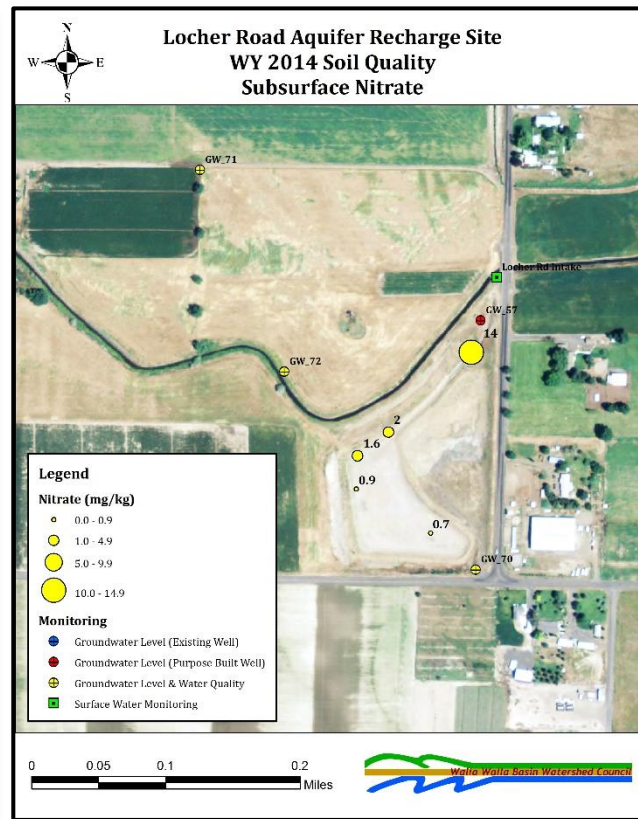


Figure 29 - Surface Subsurface (~1' below ground surface) soil nitrate values at the Locher Road site during the WY2014 recharge season.

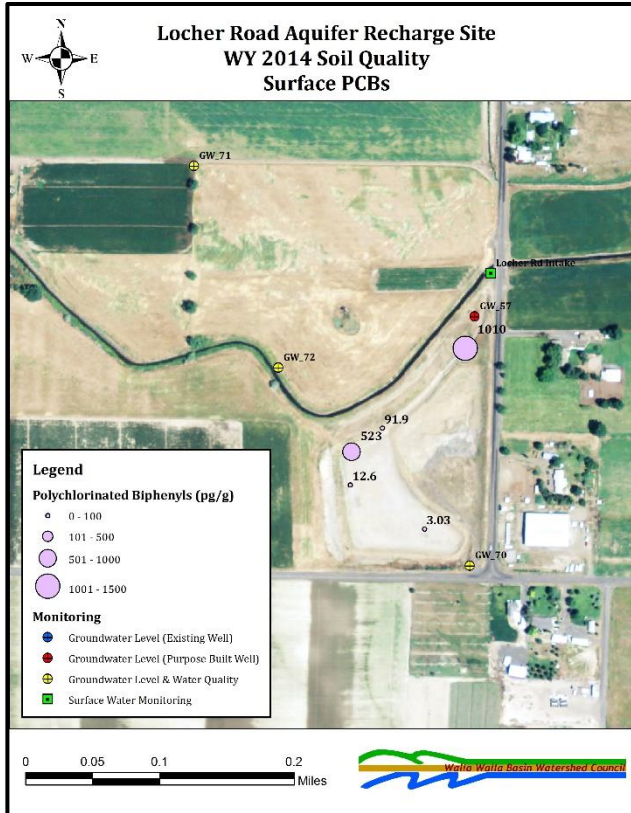


Figure 30 – Surface soil Polychlorinated Biphenyls (PCBs) values at the Locher Road site during the WY2014 recharge season.

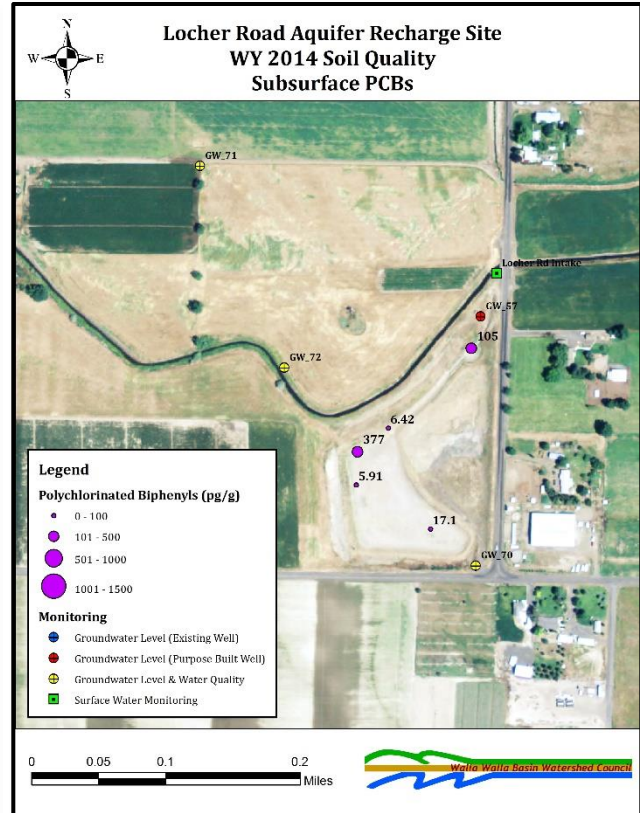


Figure 31 - Subsurface (~1' below ground surface) soil Polychlorinated Biphenyls (PCBs) values at the Locher Road site during the WY2014 recharge season.

STILLER POND

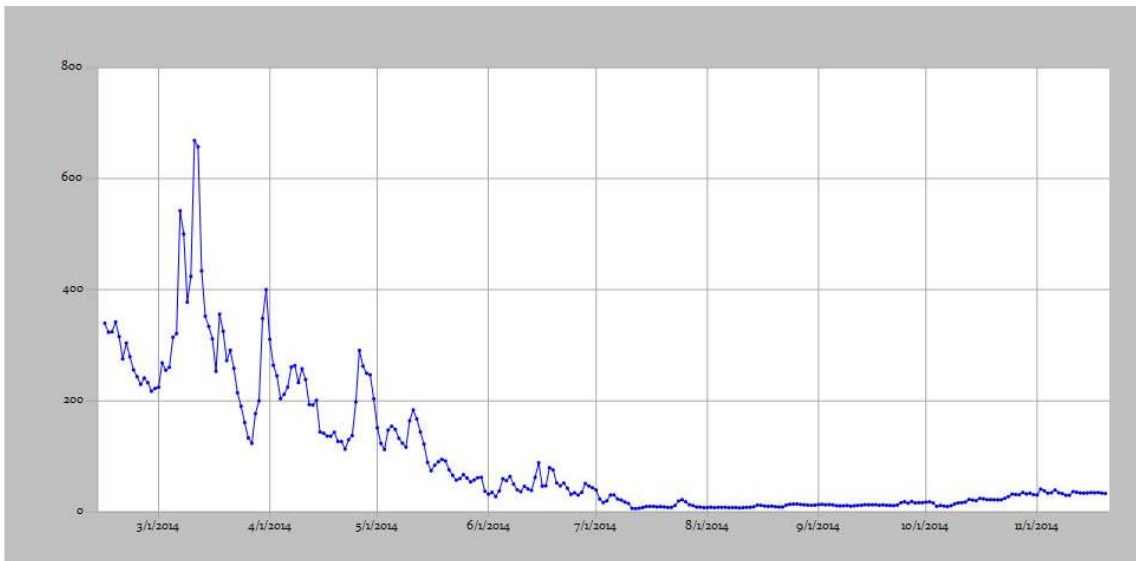
OVERVIEW

The WWCCD operated the Stiller Pond Aquifer Recharge site during the WY2014 recharge season. WWBWC staff collected monitoring data, including water quality samples. The Stiller Pond site operated under the WWMP Local Water Plan LW-10-02 which allows 32 acre-feet to be recharged to the shallow alluvial aquifer and the EEP temporary authorization for up to 991 acre-feet. Minimum in-stream flows did not prevent the site from operating during the WY2014 season until the last part of May (Figure 19). Mill Creek was monitored at two locations, above the site at Wallula Road (Figure 32) and below the site at Swegle Road (Figure 33). During the WY2014 recharge season ~300 acre-feet of water was delivered to the site.

Discharge Report

Mill Creek at Wallula Road Bridge (Daily Average, 2014)

Identifier: Discharge.Corrected - [Raw - Daily - Mean]@S520
Location: Mill Creek at Wallula
Units: ft³/s



Date Processed: November 20, 2014 10:53

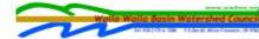


Figure 32 - Water Year 2014 hydrograph for WWBWC's Mill Creek at Wallula Road (S520) gage.

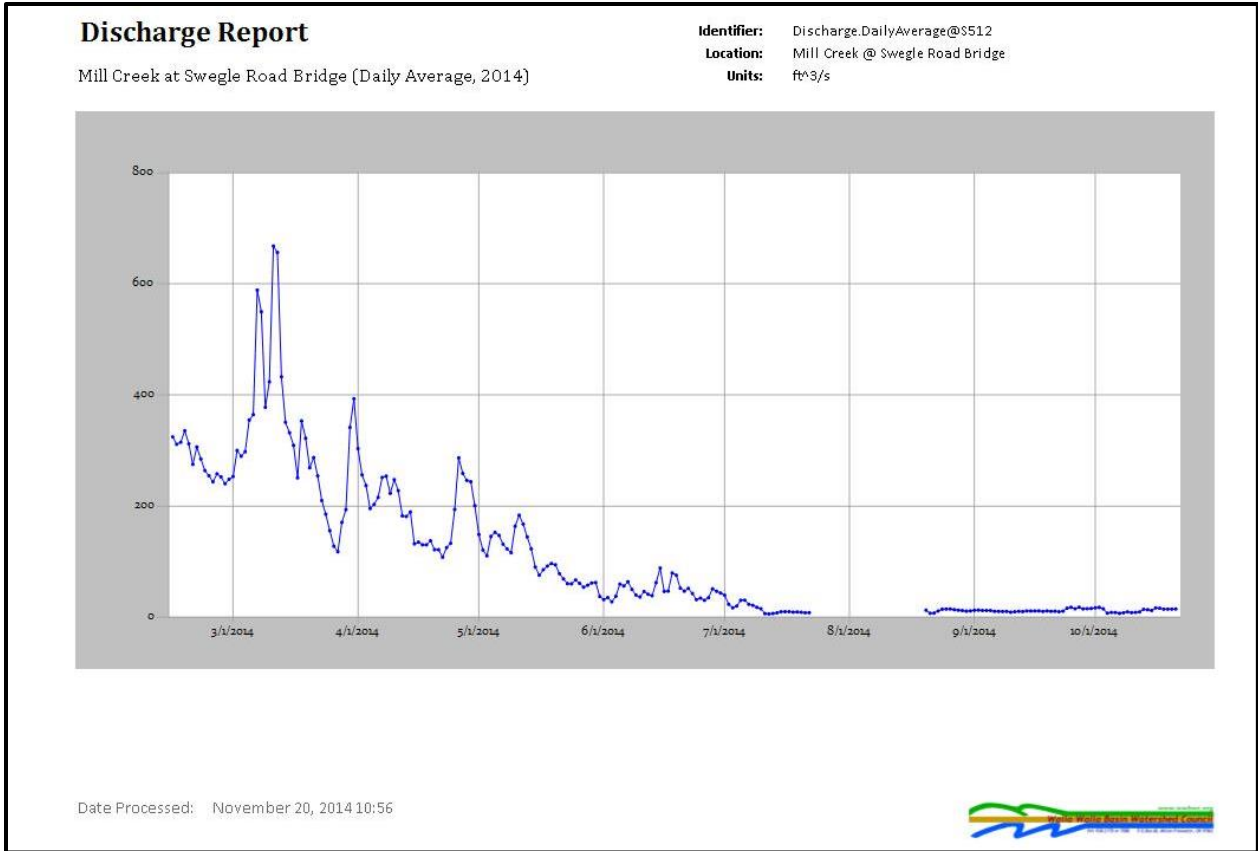


Figure 33 - Water Year 2014 hydrograph for WWBWC's Mill Creek at Swegle Road (S512) gage.

ALLUVIAL WELL RESPONSES

Groundwater monitoring (Figure 34) at the Stiller Pond site includes four on-site monitoring wells (GW_136, GW_145, GW_146 and GW_147). The four on-site wells surround the site with GW_147 up-gradient, GW_136 immediately down-gradient of the site and GW_145 and GW_146 farther down-gradient. All of the on-site wells are purpose-built monitoring wells. GW_145, GW_146 and GW_147 were installed just prior to the start of WY2014 recharge operations therefore they lack any pre-operation water level data. All of the on-site wells show a similar response during and after recharge operations (Figures 35-38). Water levels start to rise in early March coinciding with the start of recharge operations. Water levels appear to plateau starting in late April or early May. After recharge operations end in late May, water levels start to decline. The up-gradient well, GW_147, shows water levels responses to near-by pumping, however the overall water level trend is similar to down-gradient wells (Figure 38). Yearly low water levels during WY 2014 did not dip as low as they did during WY2013 (see Appendix A).

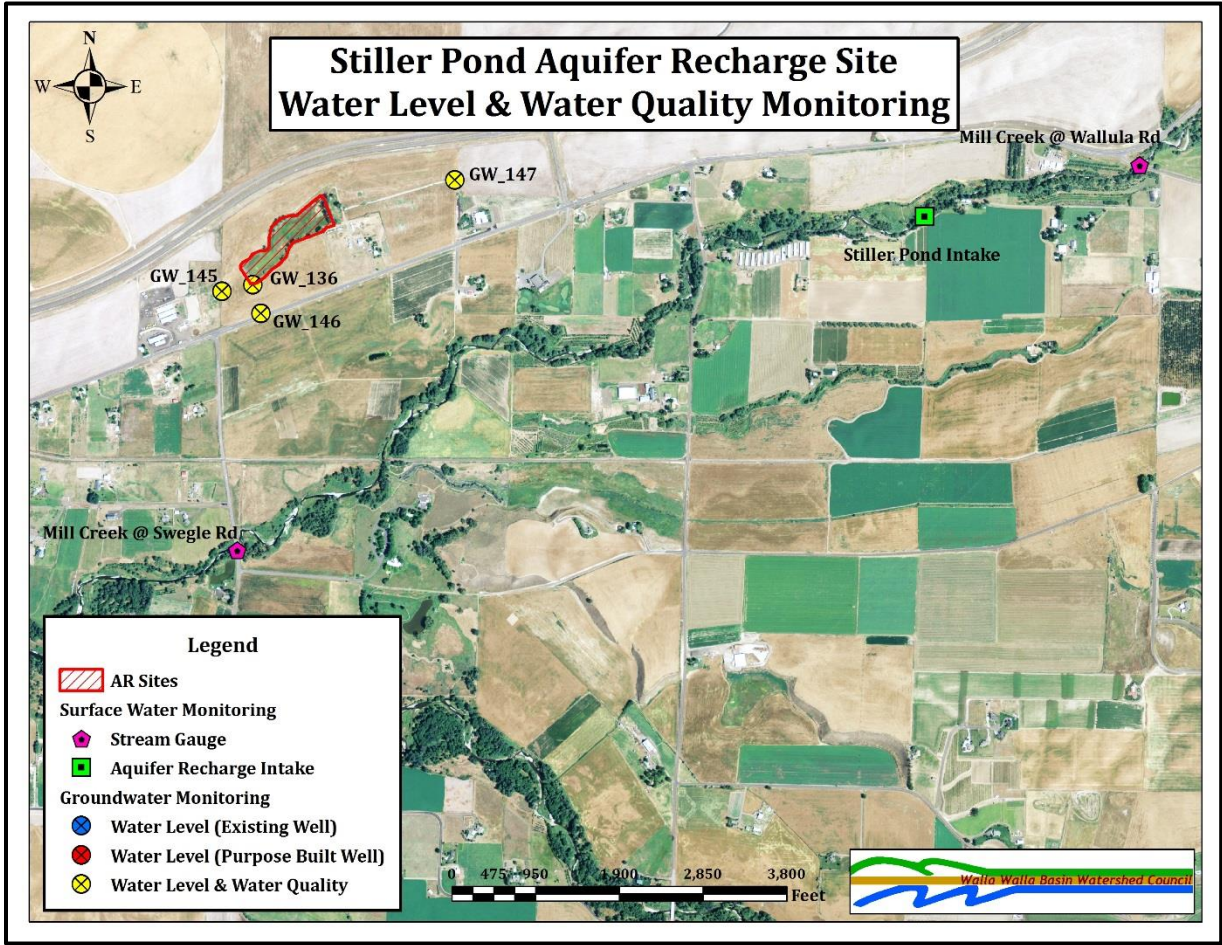


Figure 34 - Map showing groundwater and surface water monitoring sites for the Stiller Pond Aquifer Recharge Site.

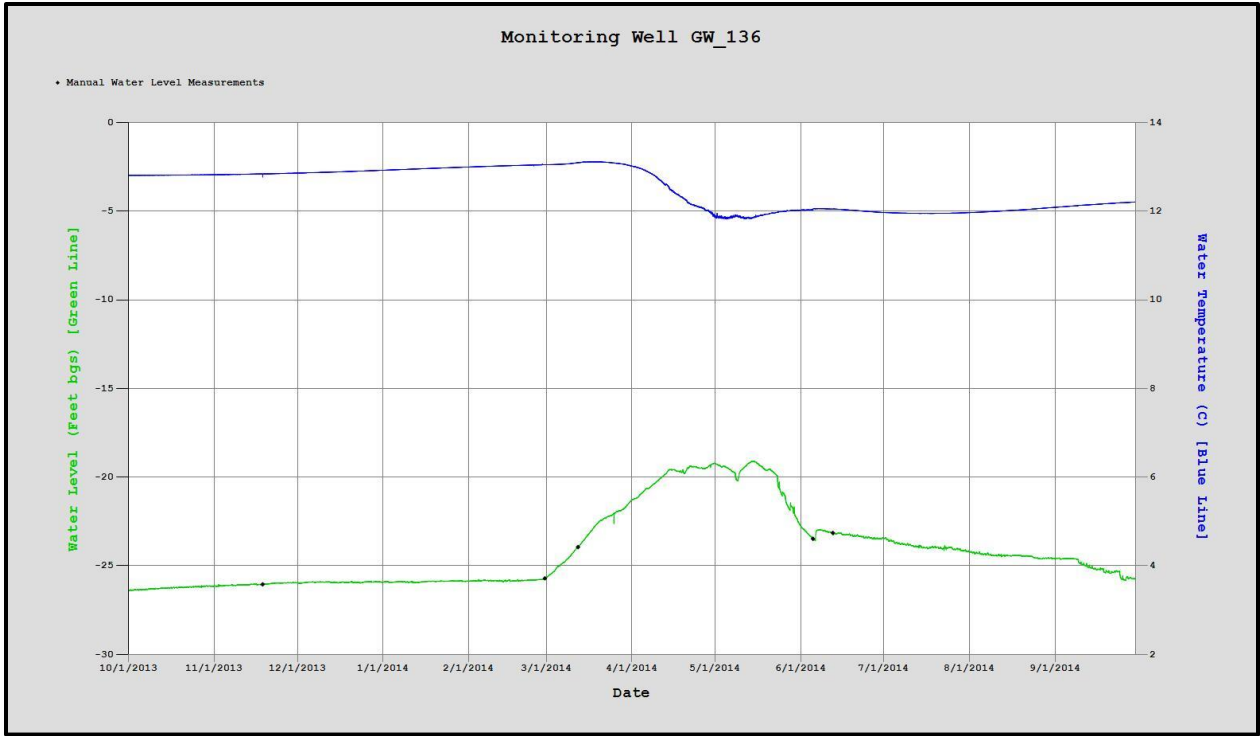


Figure 35 - Hydrograph for GW_136 during the WY 2014 recharge season.

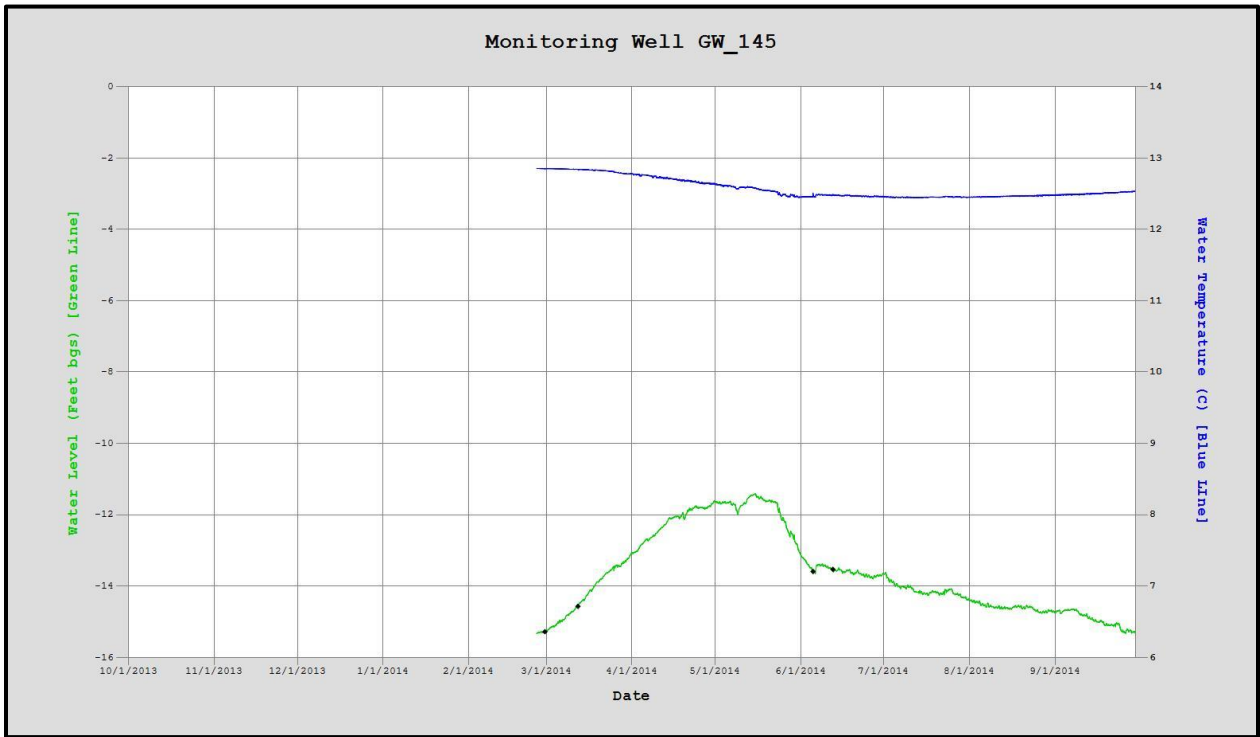


Figure 36 - Hydrograph for GW_145 during the WY 2014 recharge season.

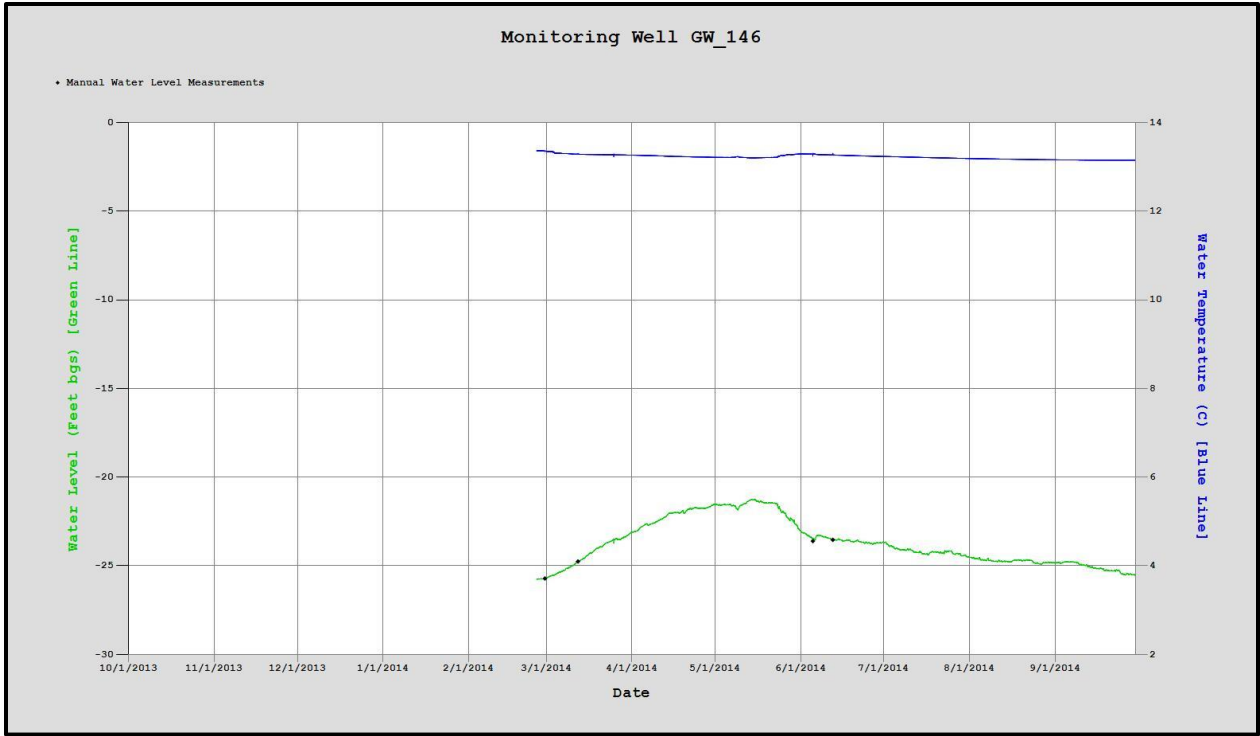


Figure 37 - Hydrograph for GW_146 during the WY 2014 recharge season.

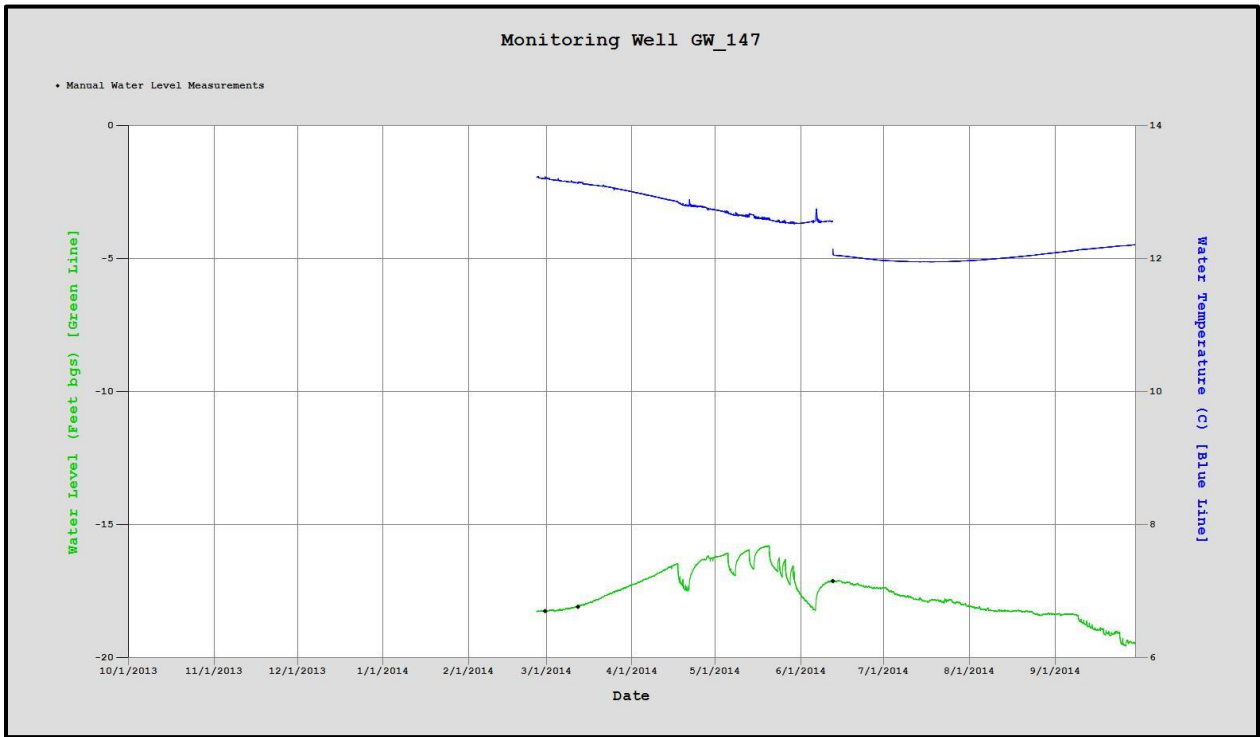


Figure 38 - Hydrograph for GW_147 during the WY 2014 recharge season.

WATER QUALITY

Full water quality data and laboratory QA records can be found in Appendix B.

SOURCE WATER

Sample Parameter	February 26 th , 2014	March 25 th , 2014	June 5 th , 2014
Nitrate (mg/L)	0.44	0.9	1.12
Calcium (mg/L)	7.0	8.6	13.5
Total Dissolved Solids (mg/L)	95	84	113
Chloride (mg/L)	2.88	2.9	7.28
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	56.5	78.2	139

UP-GRADIENT WELL (GW_147)

Sample Parameter	February 25 th , 2014	March 25 th , 2014	June 5 th , 2014
Nitrate	6	5.94	5.50
Calcium (mg/L)	44.2	45.1	43.7
Total Dissolved Solids (mg/L)	315	300	293
Chloride (mg/L)	32	32	30
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	634	703	1050

MID-GRADIENT WELL (GW_136)

Sample Parameter	February 25 th , 2014	March 25 th , 2014	June 5 th , 2014
Nitrate	13	3.34	0.48
Calcium (mg/L)	66.4	49.2	39.7
Total Dissolved Solids (mg/L)	460	270	211
Chloride (mg/L)	40	15	4.29
Total DCPA (µg/L)	0.84	0.15	ND
Polychlorinated Biphenyls (pg/L)	674	734	1050

DOWN-GRADIENT WELL (GW_145)

Sample Parameter	February 25 th , 2014	March 25 th , 2014	June 5 th , 2014
Nitrate	10	11.63	6.77
Calcium (mg/L)	61.8	62.5	56.7
Total Dissolved Solids (mg/L)	394	416	372
Chloride (mg/L)	36	39	28
Total DCPA (µg/L)	0.09	0.11	ND
Polychlorinated Biphenyls (pg/L)	734	817	1210

DOWN-GRADIENT WELL (GW_146)

Sample Parameter	February 25 th , 2014	March 25 th , 2014	June 5 th , 2014
Nitrate	18	16.71	10
Calcium (mg/L)	70.5	70.1	57.8
Total Dissolved Solids (mg/L)	560	510	456
Chloride (mg/L)	47	47	34
Total DCPA (µg/L)	4.37	3.9	ND
Polychlorinated Biphenyls (pg/L)	858	1100	1430

SOIL QUALITY

Full soil quality data and laboratory QA records can be found in Appendix B.

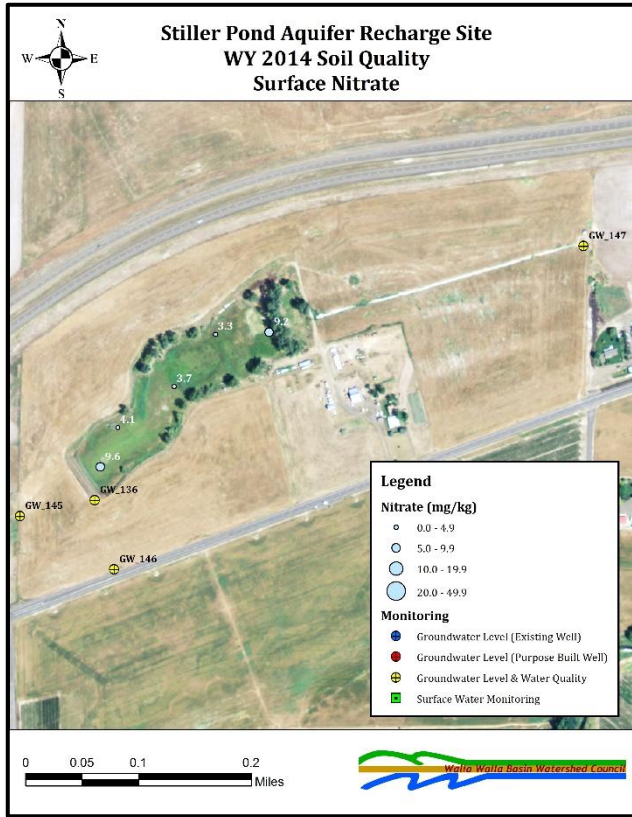


Figure 39 – Surface soil nitrate values at the Stiller Pond site during the WY2014 recharge season.

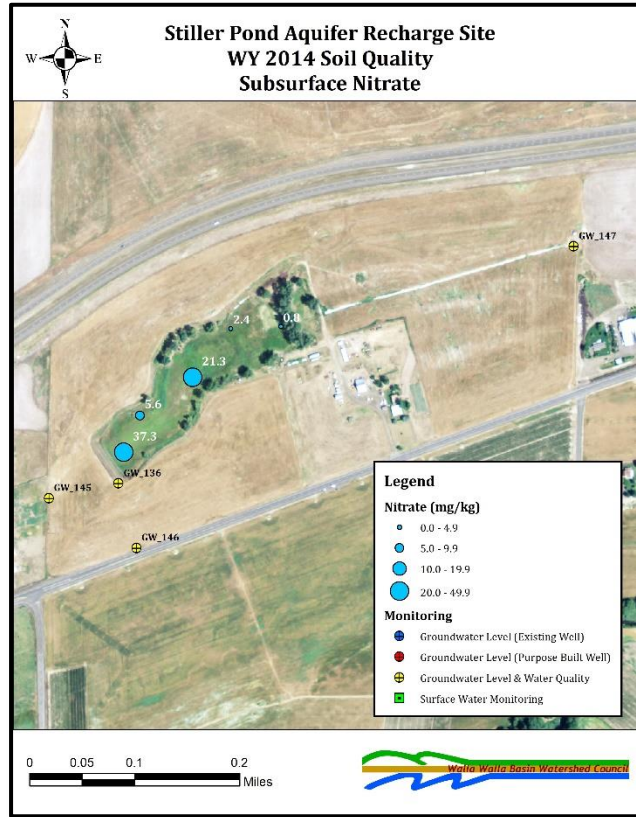


Figure 40 - Subsurface (~1' below ground surface) soil nitrate values at the Stiller Pond site during the WY2014 recharge season.

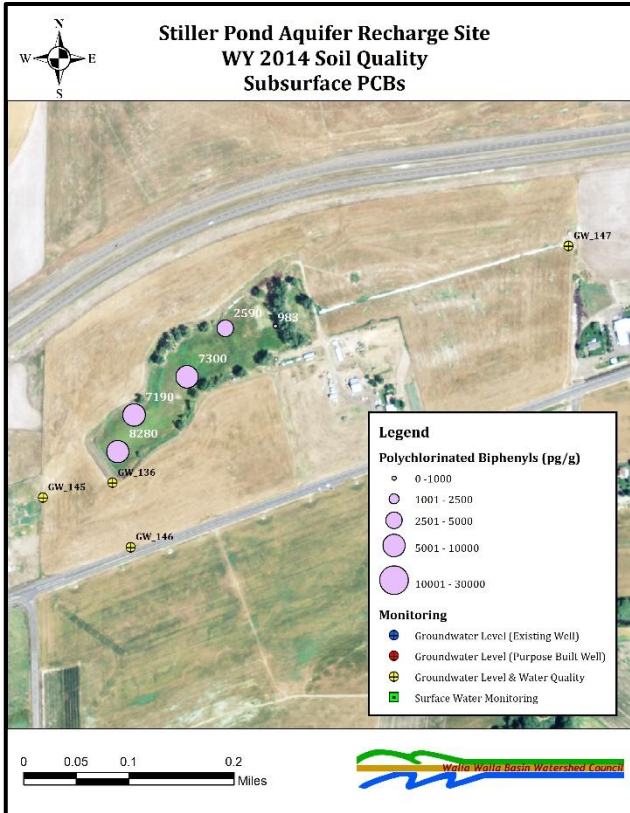


Figure 41 – Surface soil Polychlorinated Biphenyls (PCBs) values at the Stiller Pond site during the WY2014 recharge season.

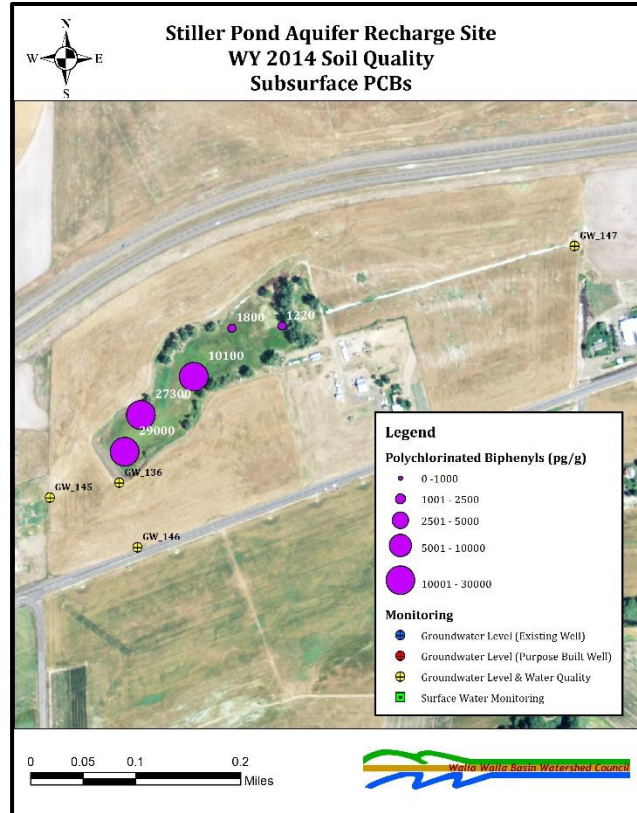


Figure 42 - Subsurface (~1' below ground surface) soil Polychlorinated Biphenyls (PCBs) values at the Stiller Pond site during the WY2014 recharge season.

WATER YEAR 2015 RECHARGE SEASON RESULTS

LOCHER ROAD

OVERVIEW

During the WY2015 recharge season, the Locher Road site operated under the Local Water Plan authorization because the temporary authorization had expired. The site operated from almost two weeks during April. A total of 36 acre-feet was delivered to the site. Minimum in-stream bypass flows prevented the site from operating during March, some of April and all of May (Figure 43).

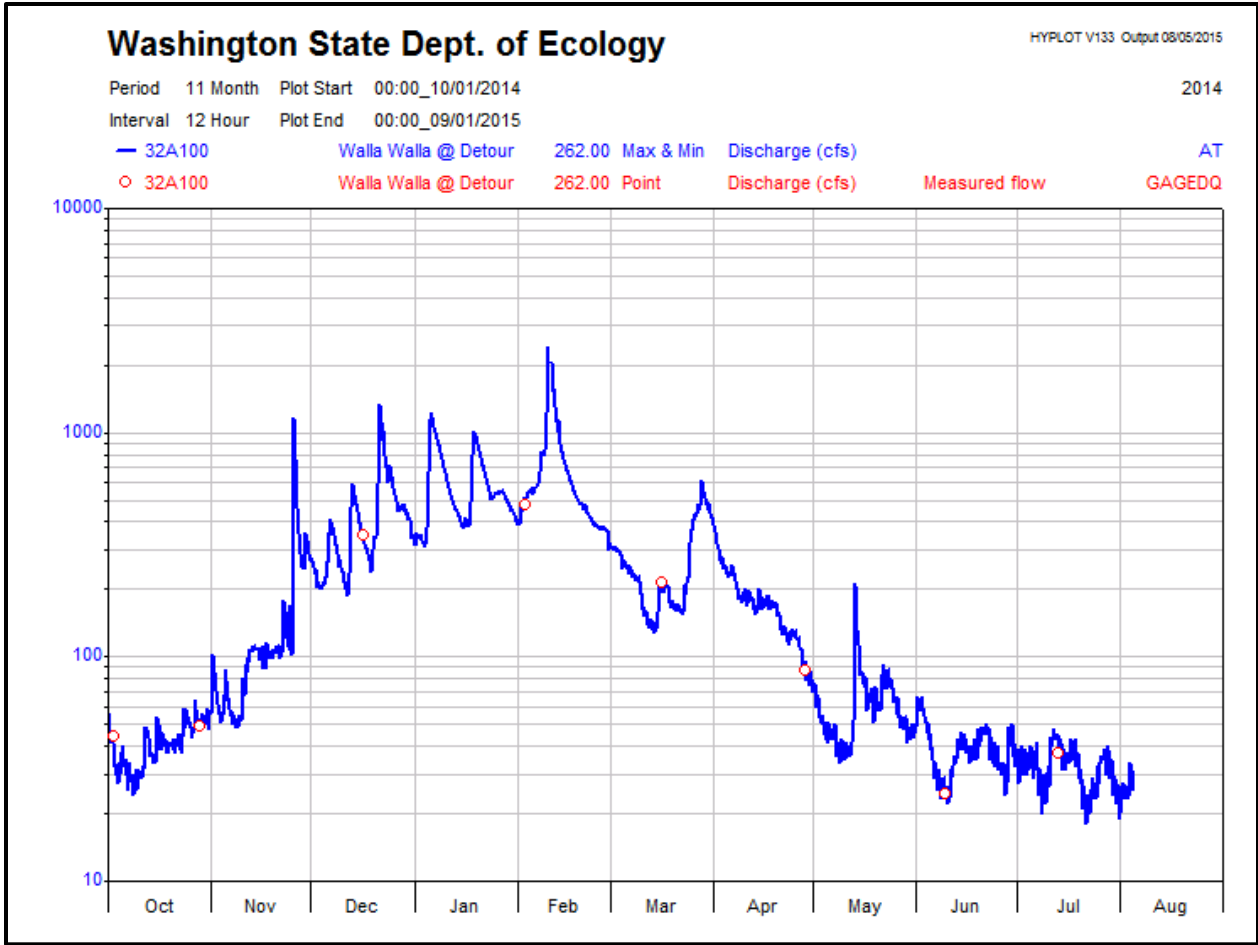


Figure 43 – Partial Water Year 2015 hydrograph for Washington Department of Ecology's Walla Walla River at Detour Road (32A100) gage.

ALLUVIAL WELL RESPONSES

The “on-site” monitoring wells all show a similar response to canal and recharge operations (Figures 44-47). Water levels rise in early October with the start of the Gardena Farms Canal for fall irrigation. The canal was turned off in early-mid December. Starting in early December water levels show neutral conditions until the canal turned on again in early March. Water levels slowly increase due to canal operations through late March and early April. Recharge operations start in mid-April and water levels respond with a sharp increase until recharge operations stop in late April. Water levels decrease after recharge and return to pre-recharge levels. Down-gradient wells do not show the same rapid response to canal or recharge operations (Figures 48-50). One of the offsite, distal, monitoring wells, GW_108, also shows the influence of nearby groundwater pumping on alluvial aquifer water levels before, during and after recharge operations.

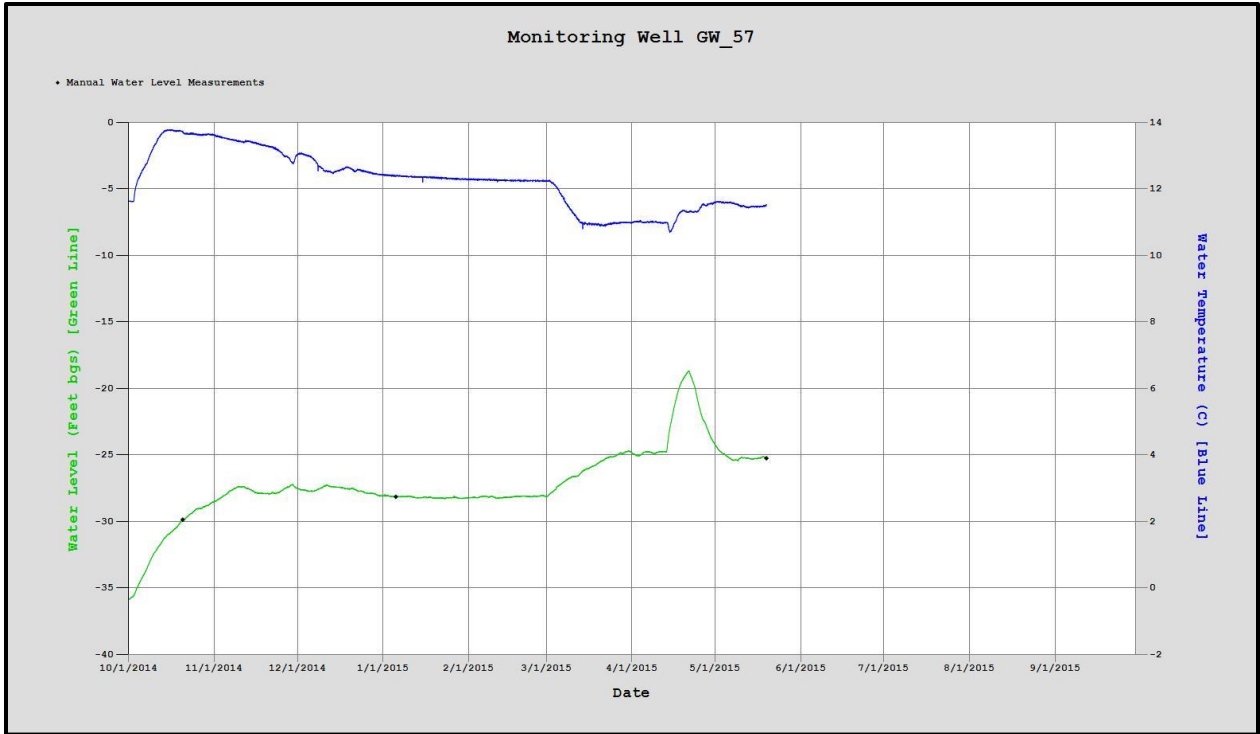


Figure 44 - Hydrograph for GW_57 during the WY2015 recharge season.

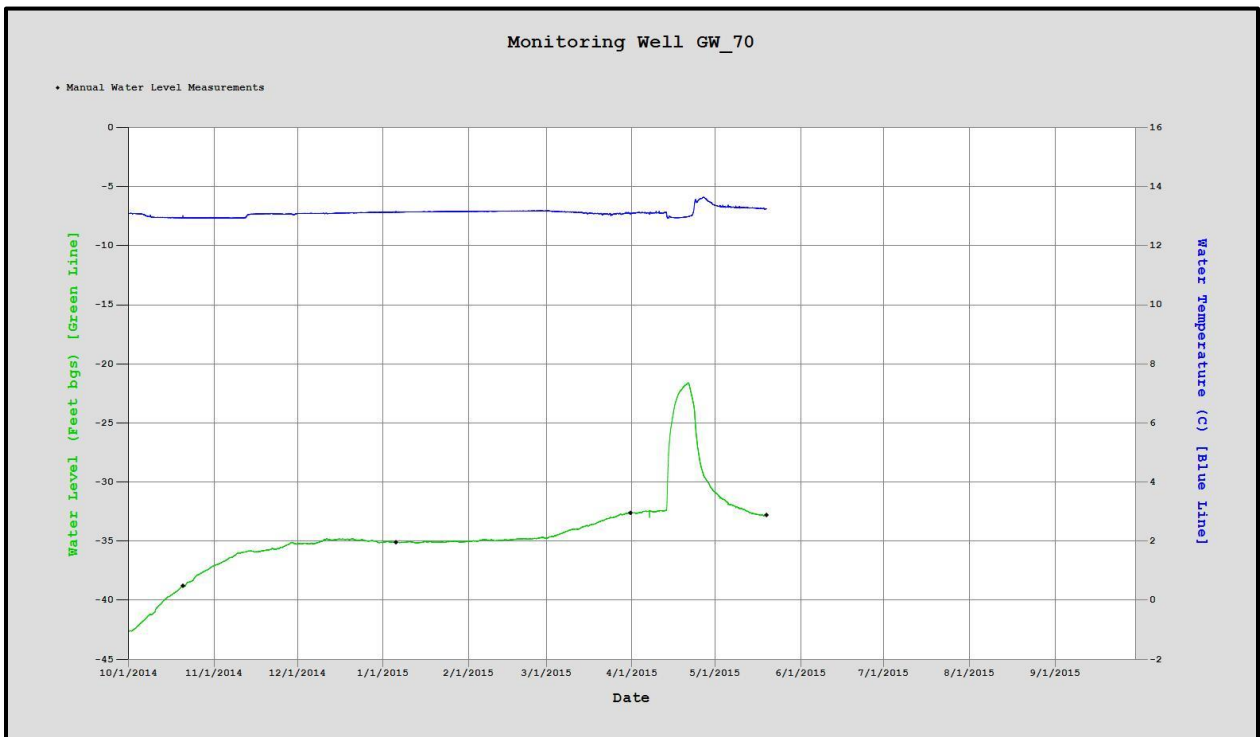


Figure 45 - Hydrograph for GW_70 during the WY2015 recharge season.

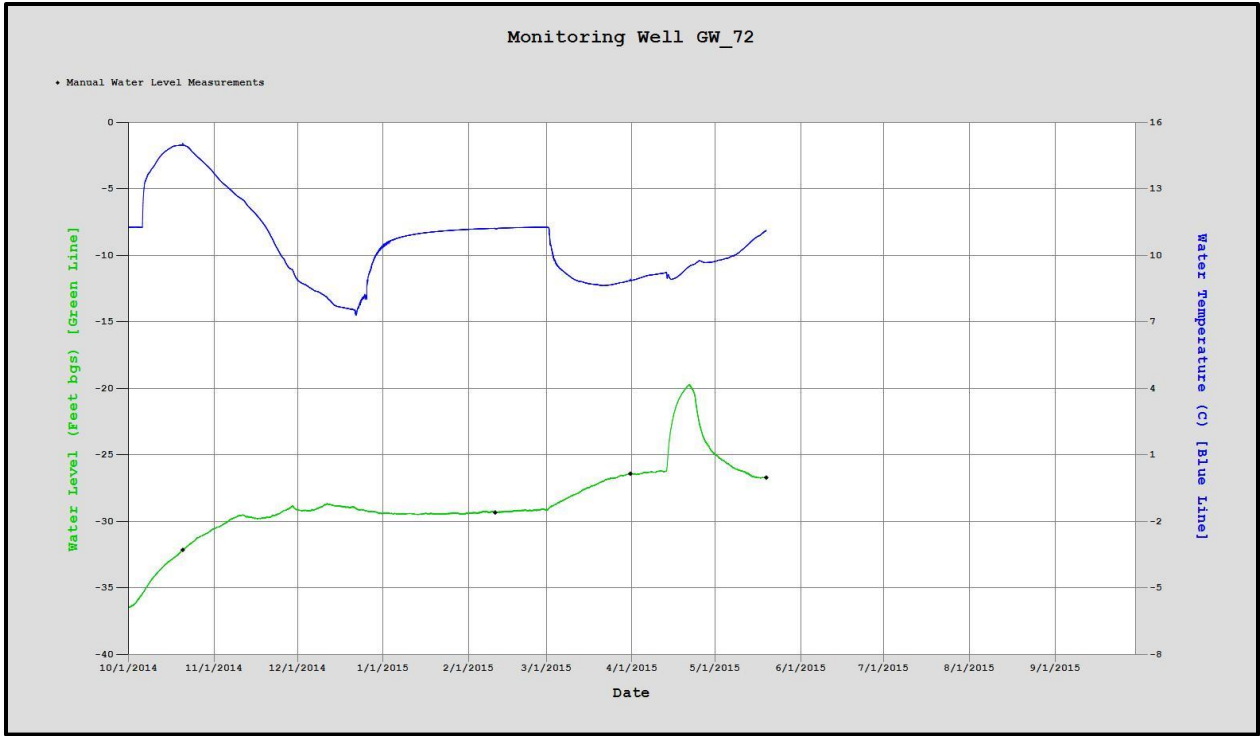


Figure 46 - Hydrograph for GW_71 during the WY2015 recharge season.

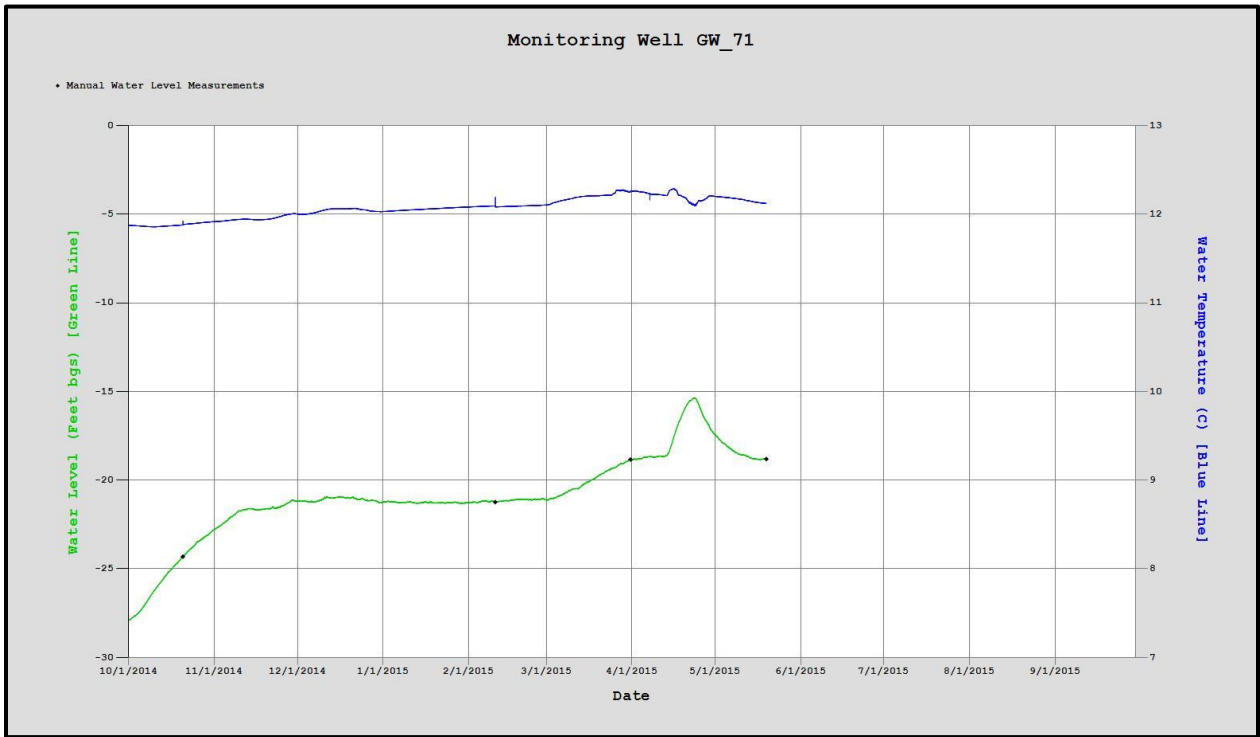


Figure 47 - Hydrograph for GW_72 during the WY2015 recharge season.

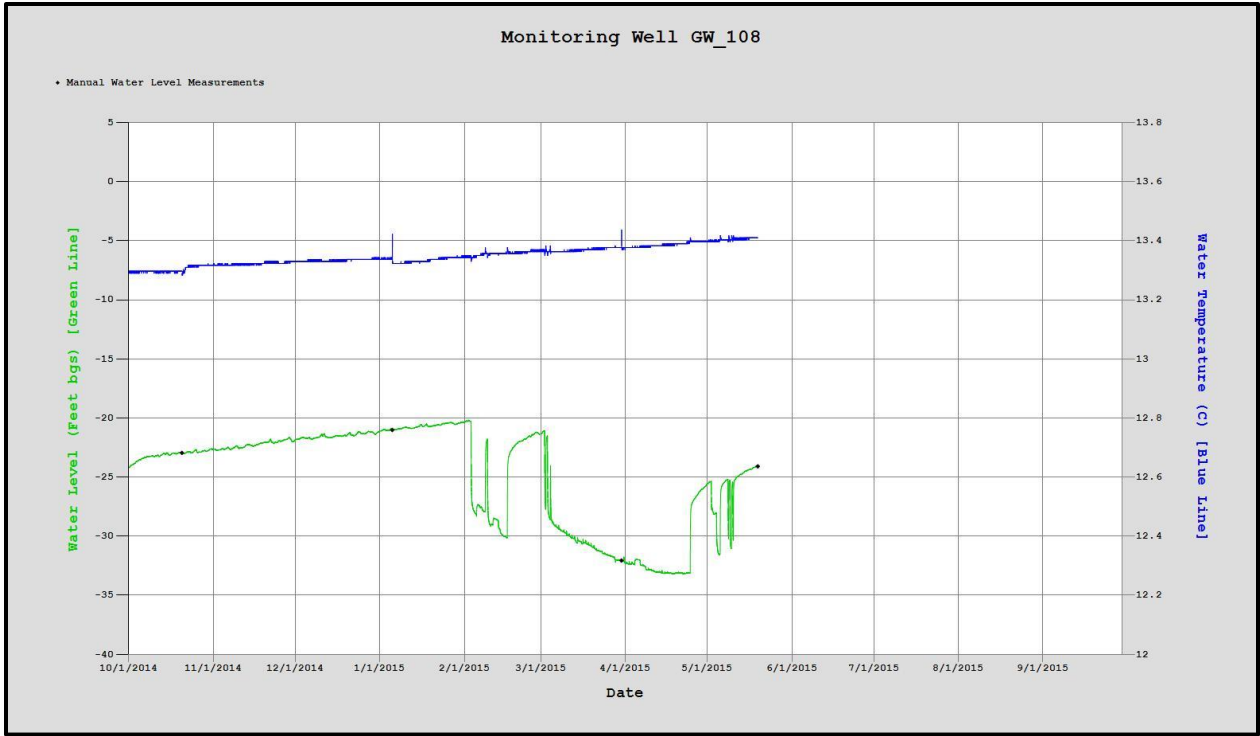


Figure 48 - Hydrograph for GW_108 during the WY2015 recharge season.

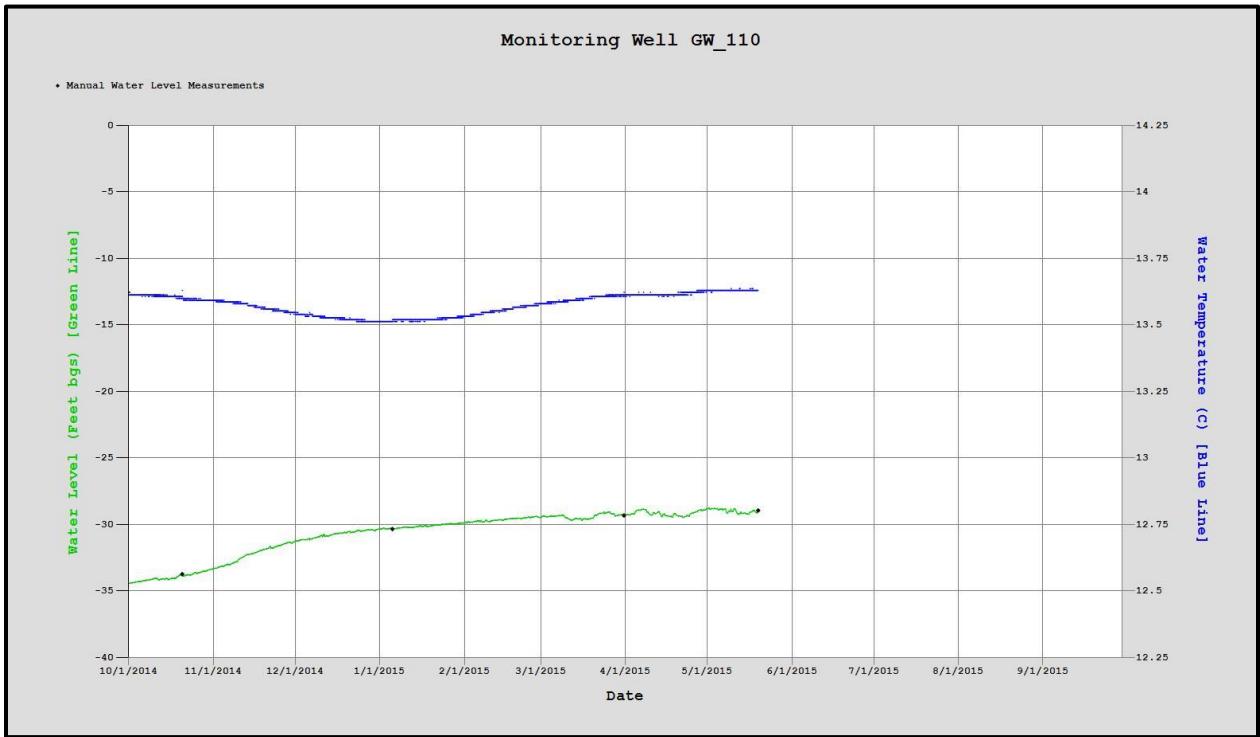


Figure 49 - Hydrograph for GW_110 during the WY2015 recharge season.

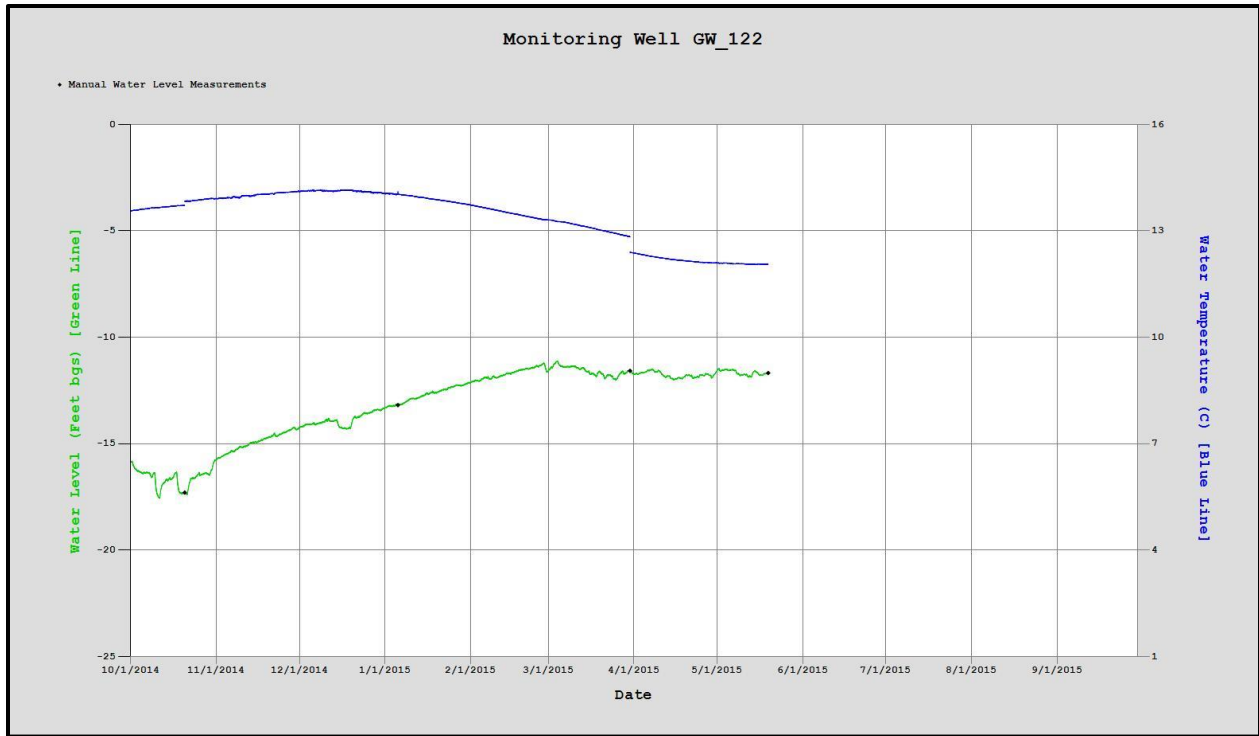


Figure 50 - Hydrograph for GW_122 during the WY2015 recharge season.

WATER QUALITY

Full water quality data and laboratory QA records can be found in Appendix B. Note that PCBs and chlorinated pesticides were removed from the parameters list for WY2015 (Kuttel, 2015).

SOURCE WATER

Sample Parameter	April 7 th , 2015	May 20 th , 2015
pH	7.36	7.50
Nitrates (mg/L)	0.34	0.56
Calcium (mg/L)	8.2	11.9
Total Dissolved Solids (TDS) (mg/L)	82	106
Chloride (mg/L)	1.4	2.2
Total DCPA (Dacthal) (µg/L)	0.3	ND

UP-GRADIENT WELL (GW_70 - L1)

Sample Parameter	April 7 th , 2015	May 20 th , 2015
pH	6.90	6.90
Nitrates (mg/L)	6.56	5.62
Calcium (mg/L)	31.5	29.2
Total Dissolved Solids (TDS) (mg/L)	247	233
Chloride (mg/L)	5.9	5.2
Total DCPA (Dacthal) (µg/L)	ND	ND

MID-GRADIENT WELL (GW_72 - L3)

Sample Parameter	April 7 th , 2015	May 20 th , 2015
pH	6.88	6.83
Nitrates (mg/L)	0.89	1.07
Calcium (mg/L)	9.0	12.0
Total Dissolved Solids (TDS) (mg/L)	86	111
Chloride (mg/L)	1.5	2.1
Total DCPA (Dacthal) (µg/L)	0.07	ND

DOWN-GRADIENT WELL (GW_71 - L2)

Sample Parameter	April 7 th , 2015	May 20 th , 2015
pH	6.80	6.82
Nitrates (mg/L)	5.10	6.66
Calcium (mg/L)	24.1	26.3
Total Dissolved Solids (TDS) (mg/L)	197	228
Chloride (mg/L)	5.04	5.3
Total DCPA (Dacthal) (µg/L)	ND	ND

SOIL QUALITY

Full soil quality data and laboratory QA records can be found in Appendix B. Note that PCBs and chlorinated pesticides were removed from the parameters list for WY2015 (Kuttel, 2015).

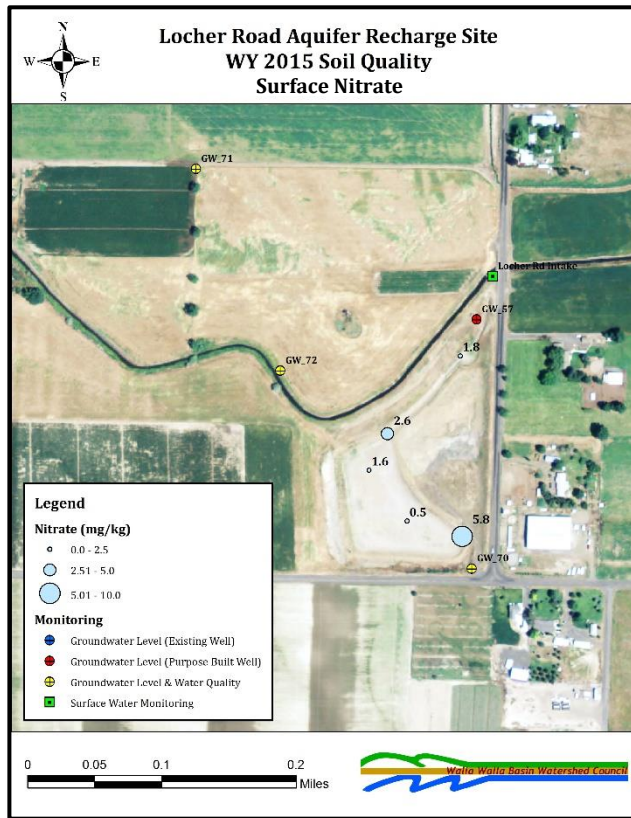


Figure 51 – Surface soil nitrate values at the Locher Road site during the WY2015 recharge season.

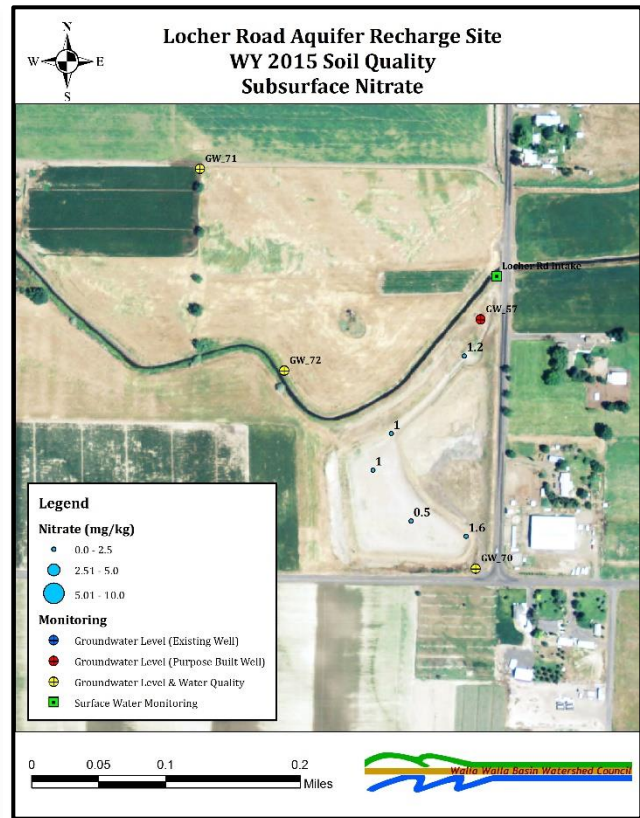


Figure 52 - Surface Subsurface (~1' below ground surface) soil nitrate values at the Locher Road site during the WY2015 recharge season.

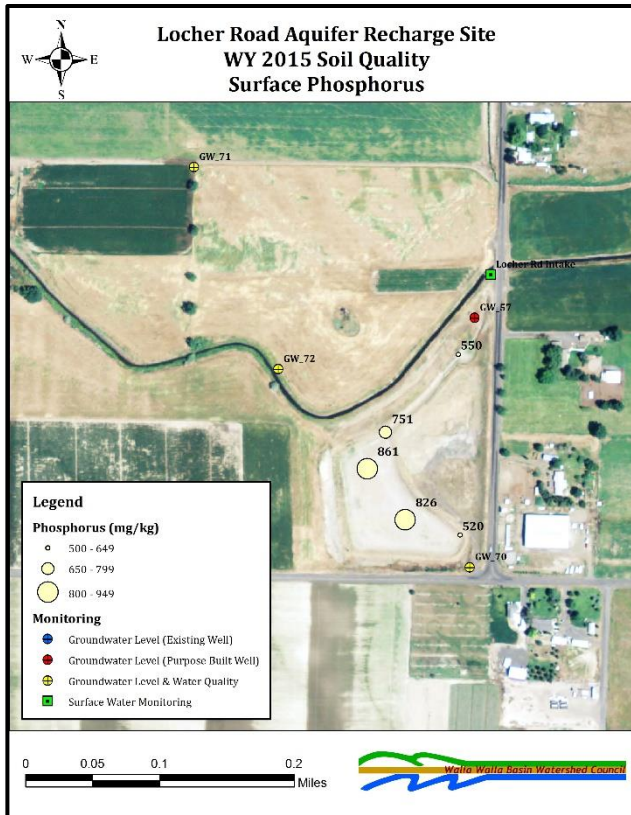


Figure 53 – Surface soil Phosphorus values at the Locher Road site during the WY2015 recharge season.

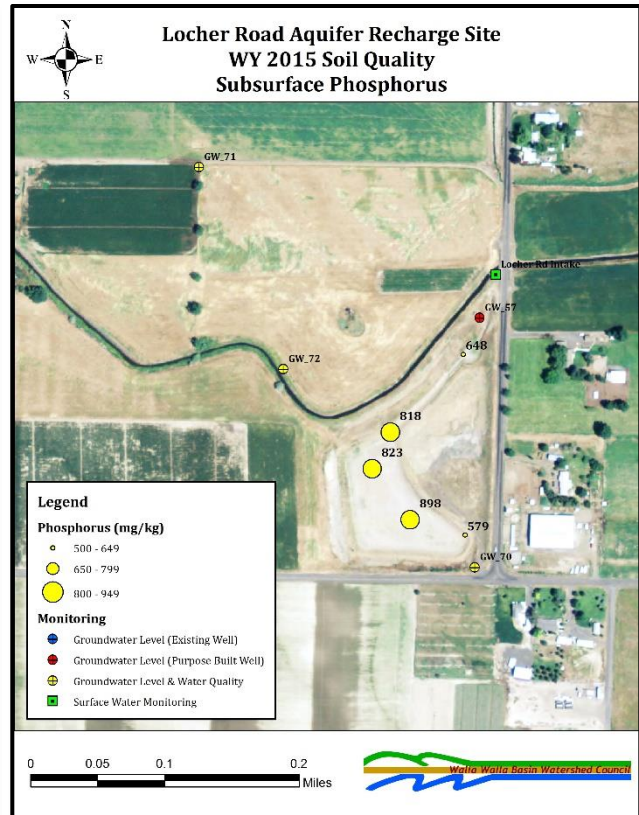


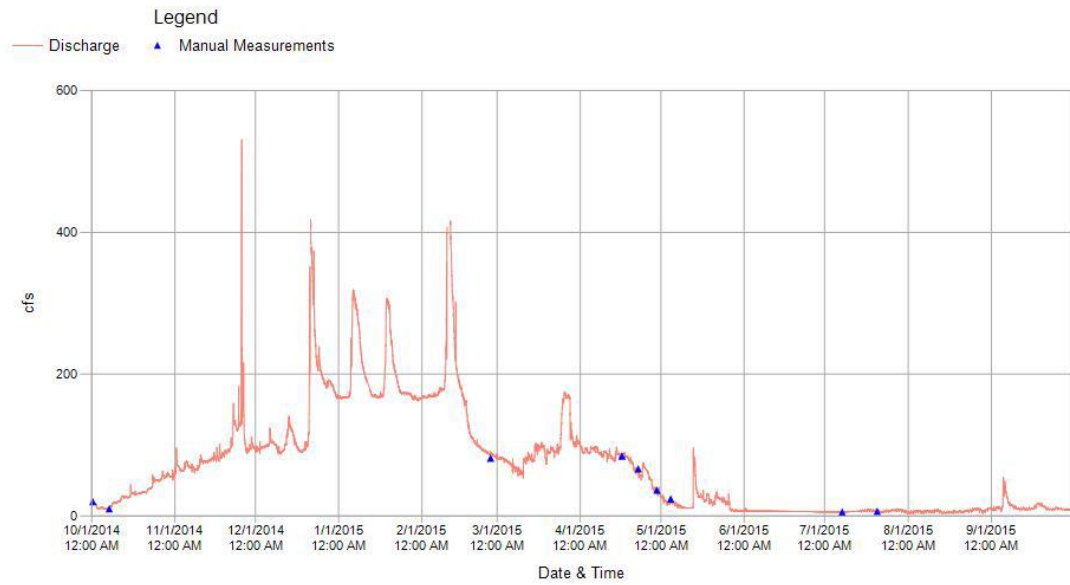
Figure 54 - Subsurface (~1' below ground surface) soil Phosphorus values at the Locher Road site during the WY2015 recharge season.

STILLER POND

OVERVIEW

The WWCCD operated the Stiller Pond Aquifer Recharge site during the WY2015 recharge season. WWBWC staff collected monitoring data, including water and soil quality samples. The Stiller Pond site operated under the WWWWMP Local Water Plan LW-10-02 which allows 32 acre-feet to be recharged to the shallow alluvial aquifer and the EEP temporary authorization for up to 991 acre-feet. Minimum in-stream flows prevented the site from operating during a significant portion of the WY2015 season (Figure 43). Mill Creek was monitored at two locations, above the site at Wallula Road (Figure 55) and below the site at Swegle Road (Figure 56). During the WY2015 recharge season 214 acre-feet of water was delivered to the site.

Wallula Road Gauge (S520) 2014 - 2015



Date Processed: November 6, 2015 07:12



Figure 55 - Water Year 2015 hydrograph for WWBWC's Mill Creek at Wallula Road (S520) gage.

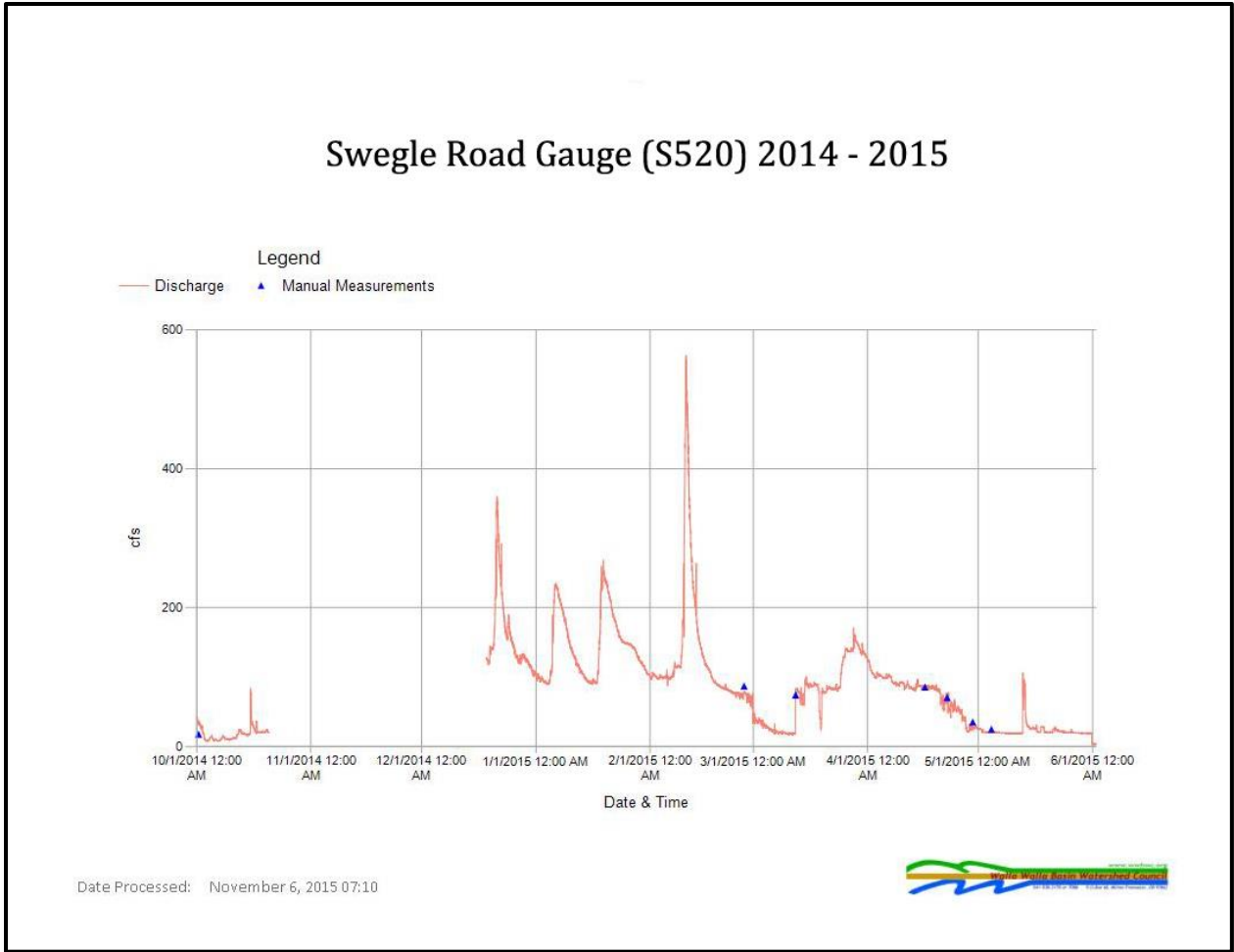


Figure 56 - Water Year 2015 hydrograph for WWBWC's Mill Creek at Swegle Road (S512) gage.

ALLUVIAL WELL RESPONSES

Groundwater monitoring (Figure 34) at the Stiller Pond site includes four on-site monitoring wells (GW_136, GW_145, GW_146 and GW_147). All of the down-gradient, on-site wells show a similar response during and after recharge operations (Figures 57-59). Water levels start to rise in mid-December coinciding with the start of recharge operations. Water levels decline during short periods of shut down during January and March. After recharge operations end in April, water levels start to decline. The up-gradient well, GW_147, shows water levels responses to near-by pumping in May, however the overall water level trend is similar to down-gradient wells with water levels increasing from December to April and starting to decline in late-April/May (Figure 60).

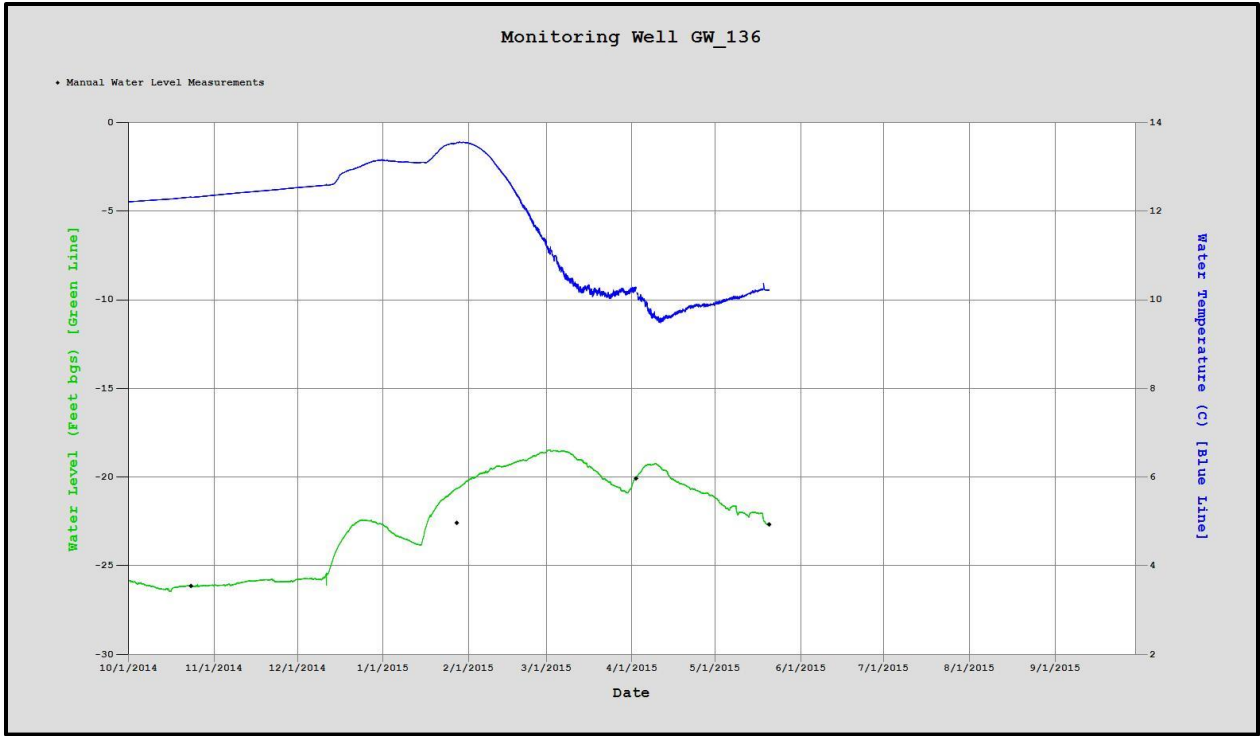


Figure 57 - Hydrograph for GW_136 during the WY2015 recharge season.

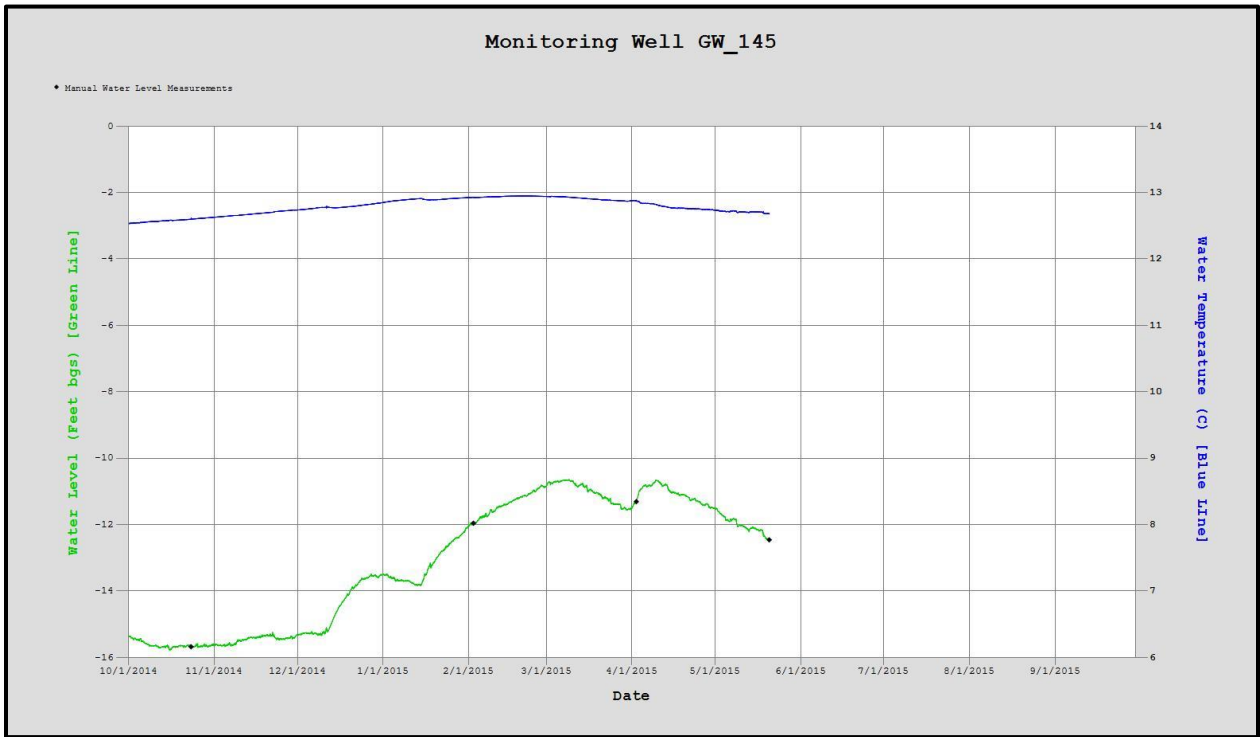


Figure 58 - Hydrograph for GW_145 during the WY2015 recharge season.

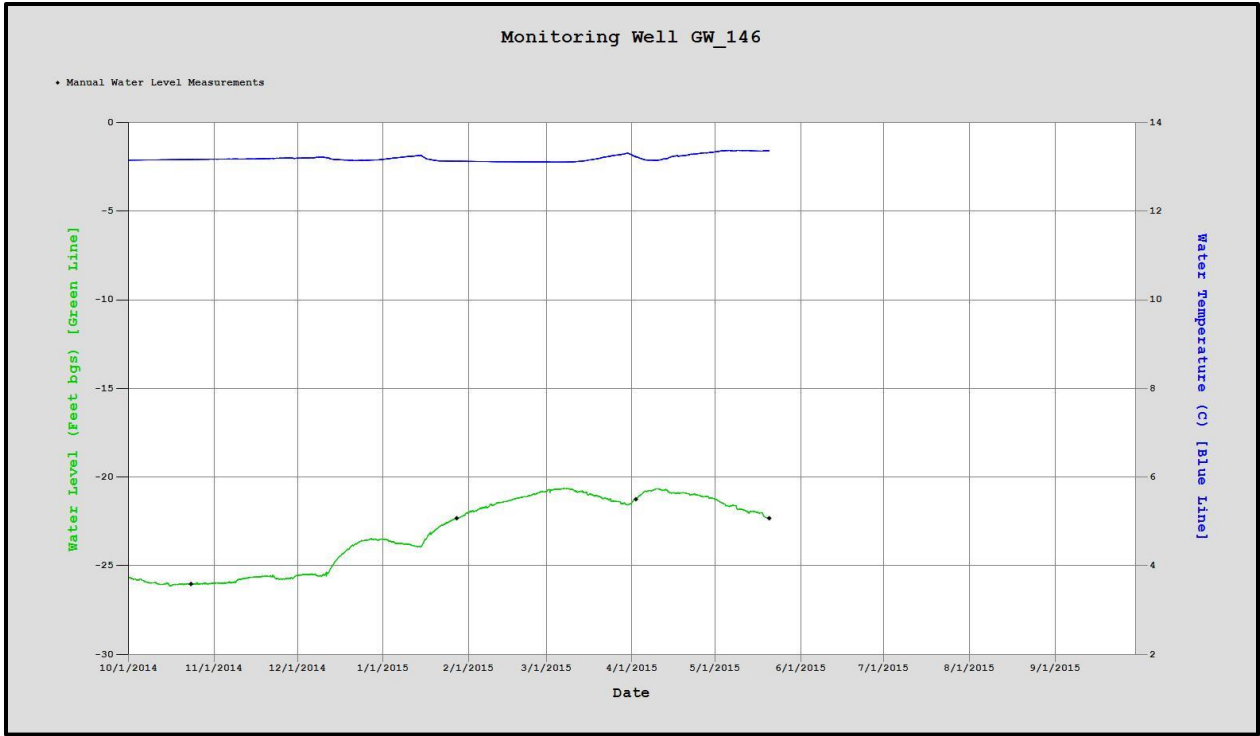


Figure 59 - Hydrograph for GW_146 during the WY2015 recharge season.

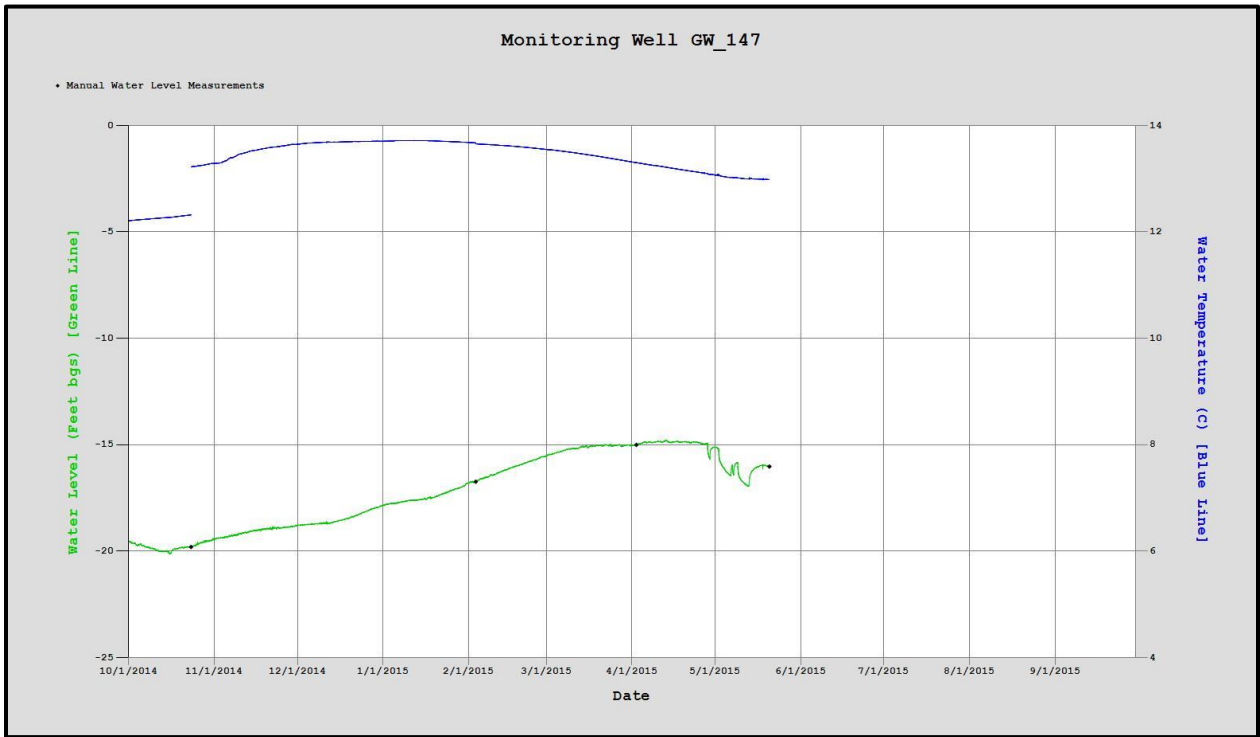


Figure 60 - Hydrograph for GW_147 during the WY2015 recharge season.

WATER QUALITY

Full water quality data and laboratory QA records can be found in Appendix B.

SOURCE WATER

Sample Parameter	December 11 th , 2014	March 2 nd , 2015	May 18 th , 2015
Nitrate (mg/L)	1.08	1.22	1.07
Calcium (mg/L)	8.3	10.6	12.8
Total Dissolved Solids (mg/L)	99	100	115
Chloride (mg/L)	4.57	5.09	6.5
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	73.2	14.1	106

UP-GRADIENT WELL (GW_147)

Sample Parameter	December 11 th , 2014	March 2 nd , 2015	May 18 th , 2015
Nitrate	5.22	4.44	4.28
Calcium (mg/L)	38.9	39.8	36.1
Total Dissolved Solids (mg/L)	292	286	279
Chloride (mg/L)	28	26	25.4
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	692	938	985

MID-GRADIENT WELL (GW_136)

Sample Parameter	December 11 th , 2014	March 2 nd , 2015	May 18 th , 2015
Nitrate	6.86	0.59	1.1
Calcium (mg/L)	52.1	33.7	34.7
Total Dissolved Solids (mg/L)	361	178	217
Chloride (mg/L)	27	2.95	7.2
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	839	845	848

DOWN-GRADIENT WELL (GW_145)

Sample Parameter	December 11 th , 2014	March 2 nd , 2015	May 18 th , 2015
Nitrate	4.54	3.05	2.98
Calcium (mg/L)	45.6	48.4	51.1
Total Dissolved Solids (mg/L)	338	329	378
Chloride (mg/L)	23	20	29.4
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	693	1190	938

DOWN-GRADIENT WELL (GW_146)

Sample Parameter	December 11 th , 2014	March 2 nd , 2015	May 18 th , 2015
Nitrate	14	5.94	9.73
Calcium (mg/L)	59.2	44.7	52.7
Total Dissolved Solids (mg/L)	516	350	508
Chloride (mg/L)	41	24	37.5
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	809	858	982

SOIL QUALITY

Full soil quality data and laboratory QA records can be found in Appendix B.

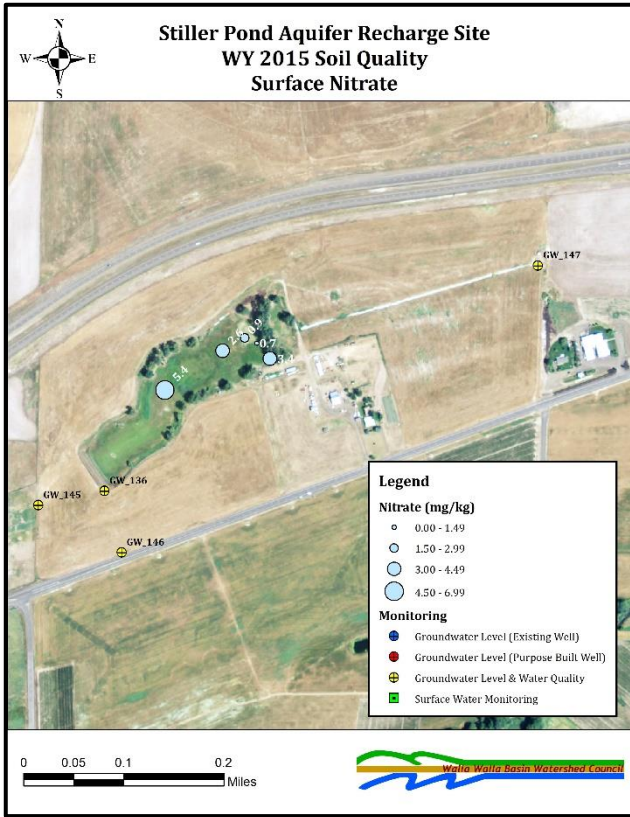


Figure 61 – Surface soil nitrate values at the Stiller Pond site during the WY2015 recharge season.

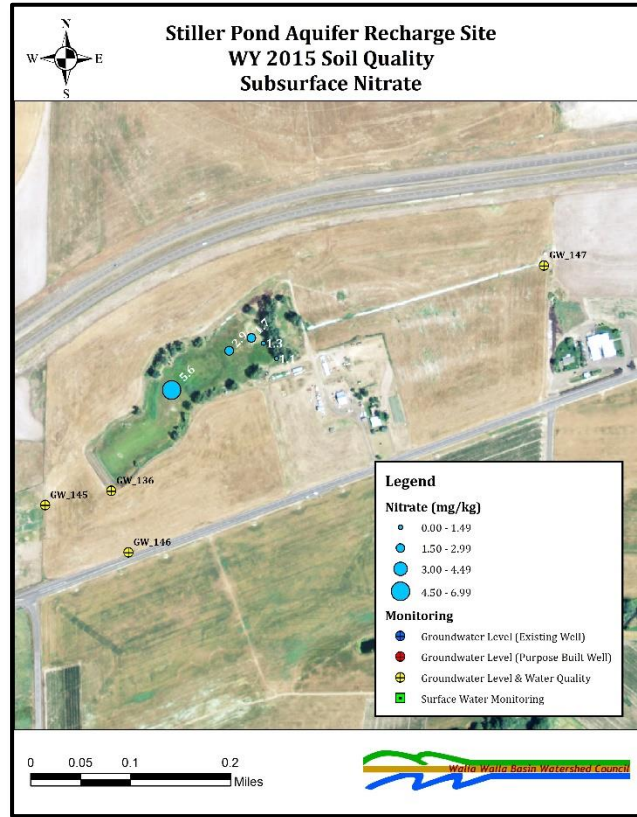


Figure 62 - Subsurface (~1' below ground surface) soil nitrate values at the Stiller Pond site during the WY2015 recharge season.

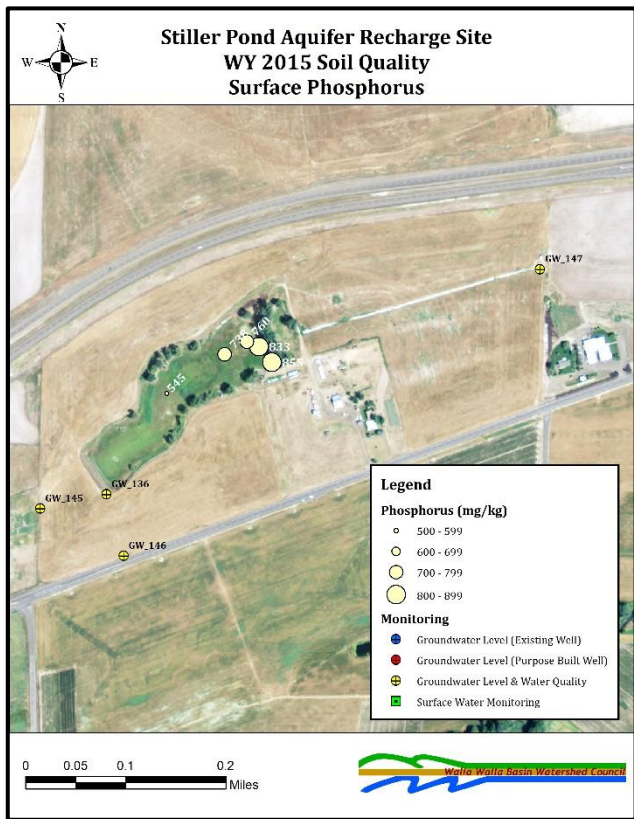


Figure 63 – Surface soil phosphorus values at the Stiller Pond site during the WY2015 recharge season.

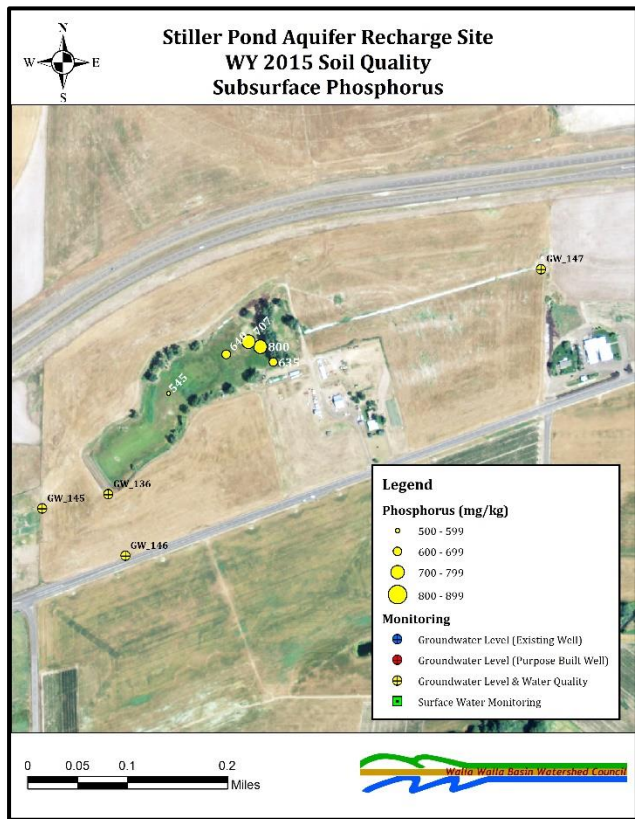


Figure 64 - Subsurface (~1' below ground surface) soil phosphorus values at the Stiller Pond site during the WY2015 recharge season.

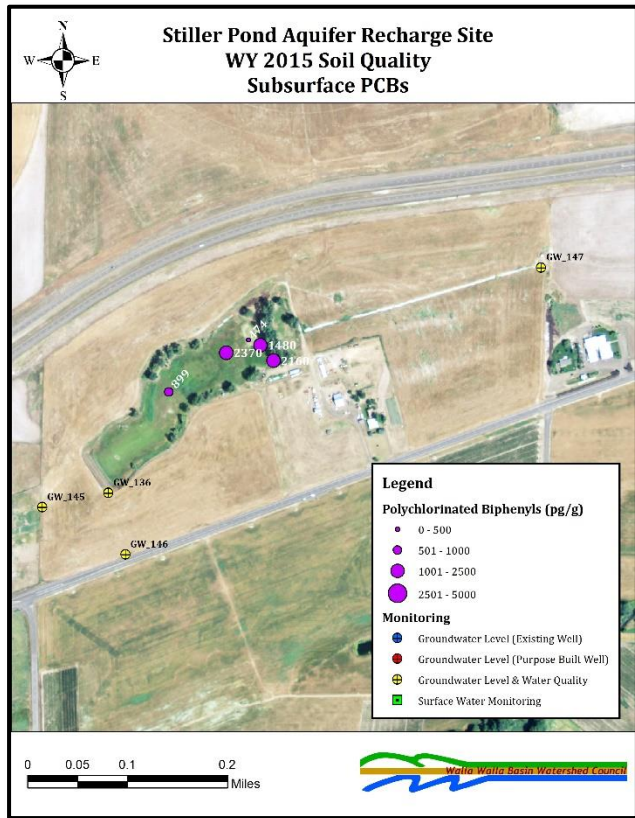
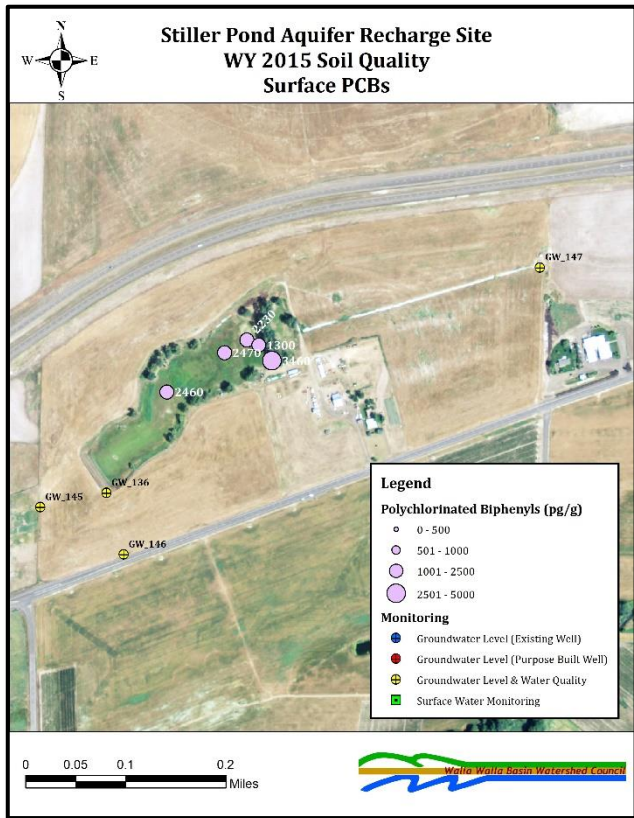


Figure 65 – Surface soil Polychlorinated Biphenyls (PCBs) values at the Stiller Pond site during the WY2015 recharge season.

Figure 66 - Subsurface (~1' below ground surface) soil Polychlorinated Biphenyls (PCBs) values at the Stiller Pond site during the WY2015 recharge season.

LAST CHANCE ROAD

OVERVIEW

The Last Chance Road site did not operate during the WY2015 recharge season. The site was constructed in June 2015 and is ready for future recharge operations. Polychlorinated biphenyls (PCBs) samples were collected for both water and soil to establish pre-operation baselines. Nitrate and phosphorus were also analyzed in the soil samples (Figure 67).

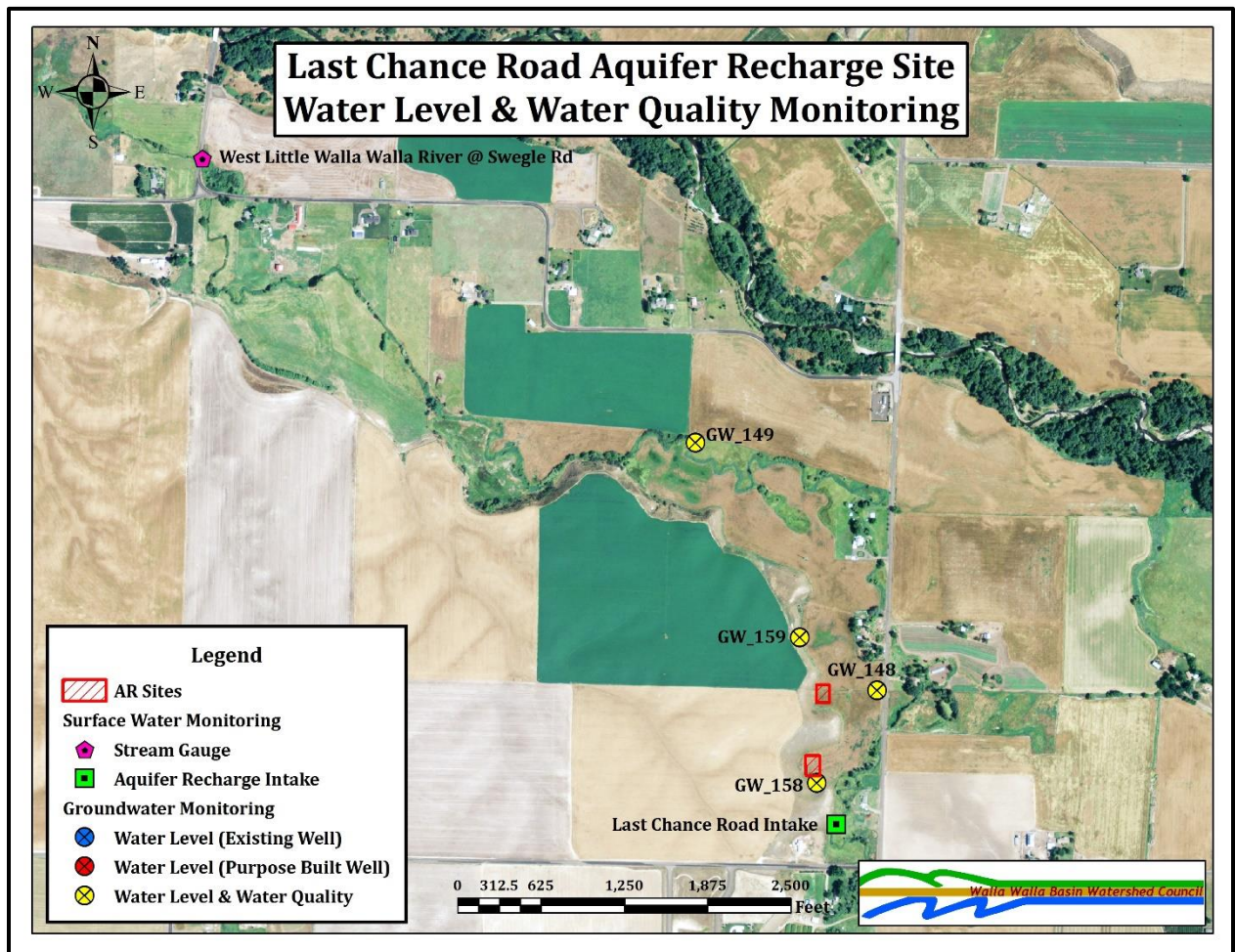


Figure 67 - Map showing groundwater monitoring sites for the Last Chance Road Aquifer Recharge Site.

WATER QUALITY

Full water quality data and laboratory QA records can be found in Appendix B.

SOURCE WATER (RECHARGE INTAKE)

Sample Parameter	May 20 th , 2014
Polychlorinated Biphenyls (pg/L)	59.4

SOURCE WATER (WEST LITTLE WALLA WALLA RIVER @ SWEGLE ROAD)

Sample Parameter	May 20 th , 2014
Polychlorinated Biphenyls (pg/L)	87.2

MID-GRADIENT WELL (GW_148)

Sample Parameter	May 20 th , 2014
Polychlorinated Biphenyls (pg/L)	1030

DOWN-GRADIENT WELL (GW_149)

Sample Parameter	May 20 th , 2014
Polychlorinated Biphenyls (pg/L)	1680

SOIL QUALITY

Full soil quality data and laboratory QA records can be found in Appendix B.

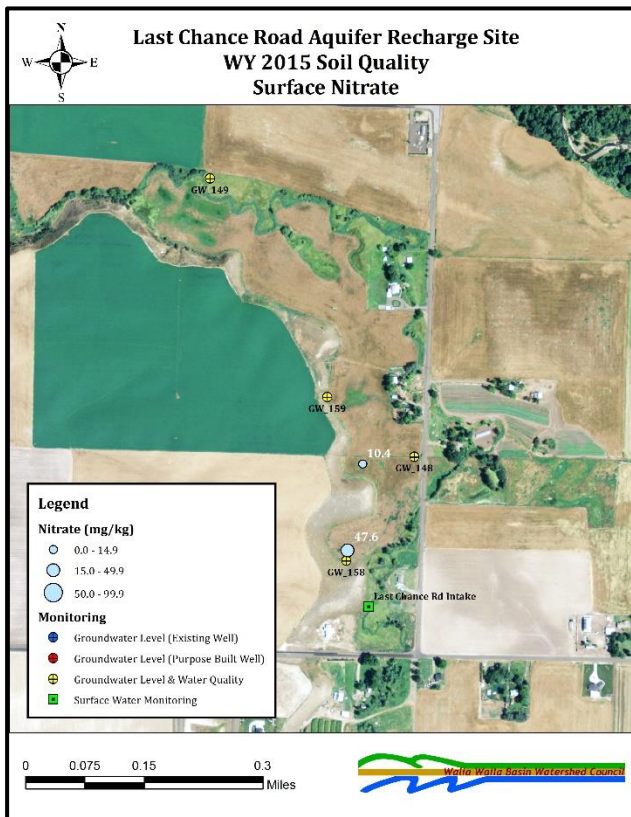


Figure 68 – Surface soil nitrate values at the Last Chance Road site during the WY2015 recharge season.

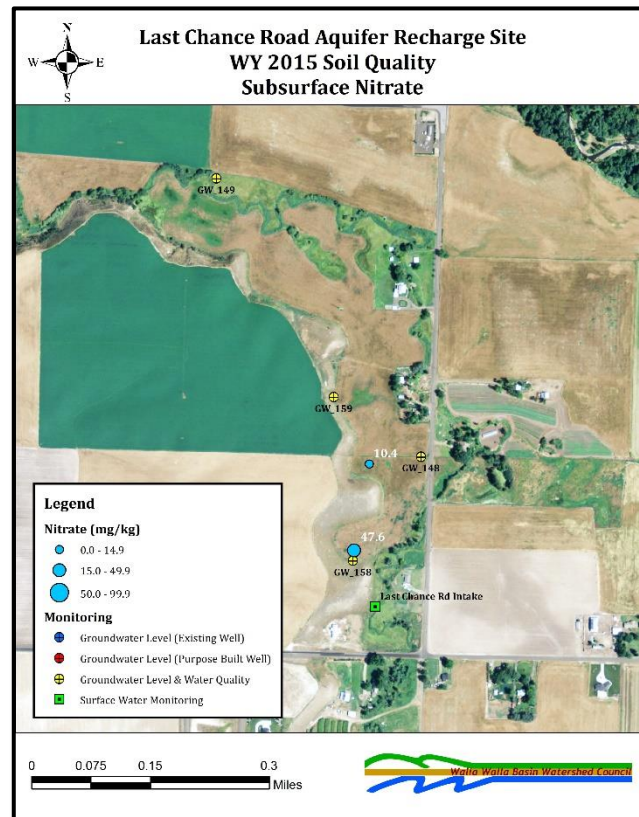


Figure 69 - Subsurface (~1' below ground surface) soil nitrate values at the Last Chance Road site during the WY2015 recharge season.

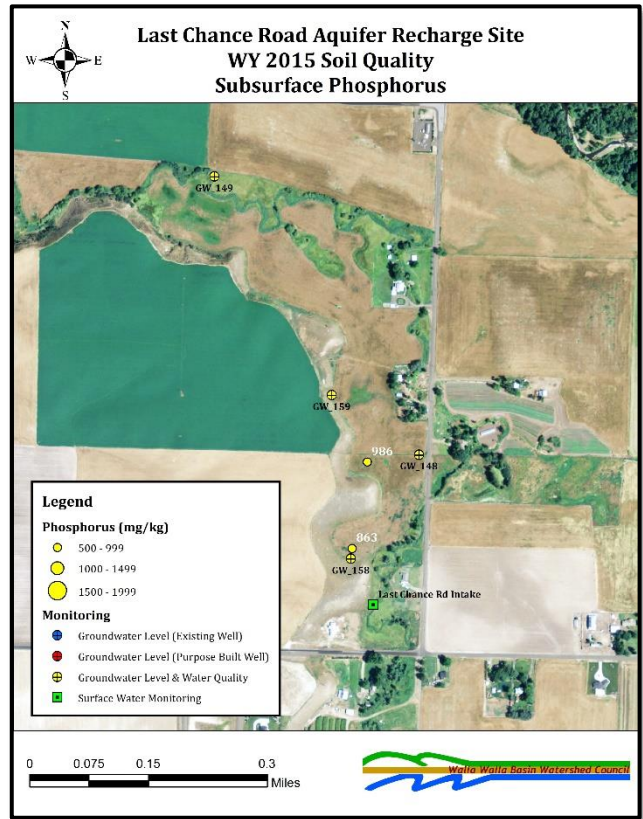
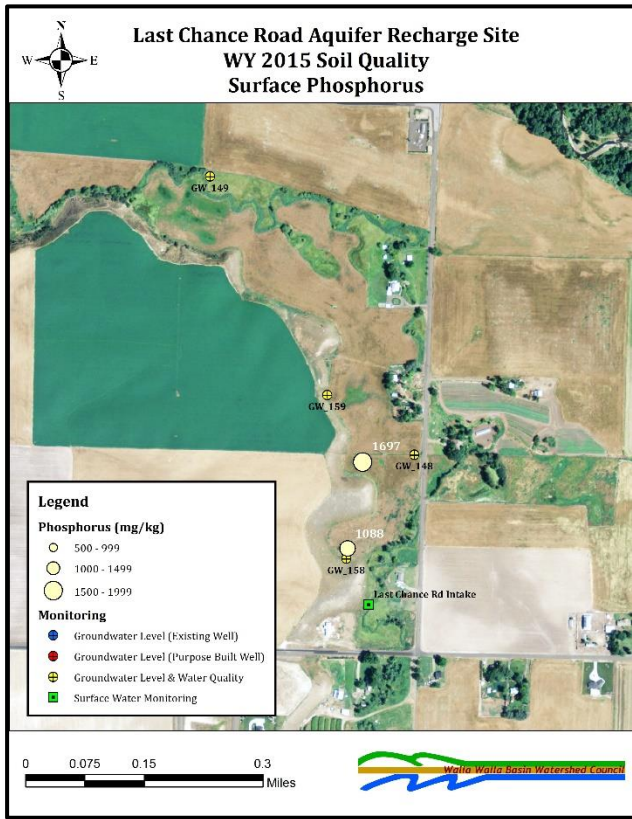


Figure 70 - Surface soil phosphorus values at the Last Chance Road site during the WY2015 recharge season.

Figure 71 - Subsurface (~1' below ground surface) soil phosphorus values at the Last Chance Road site during the WY2015 recharge season.

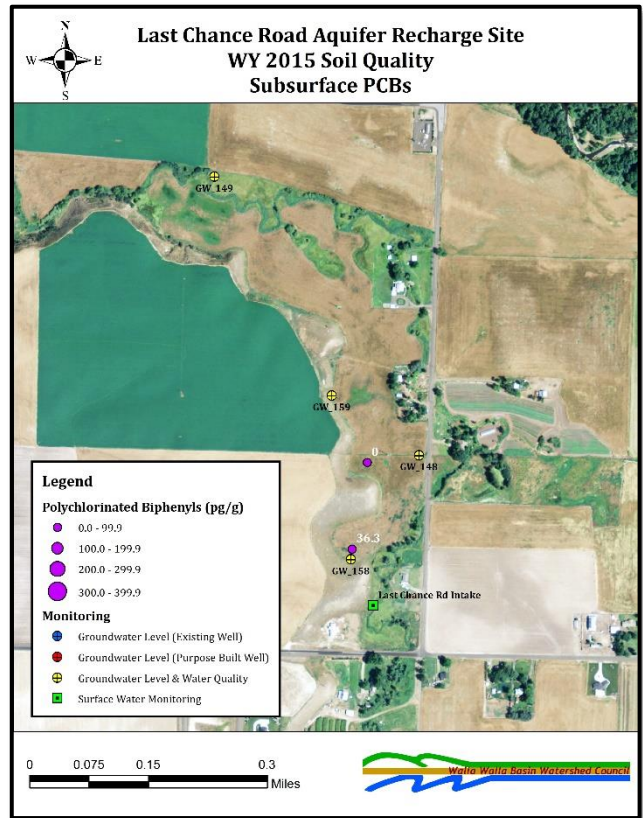
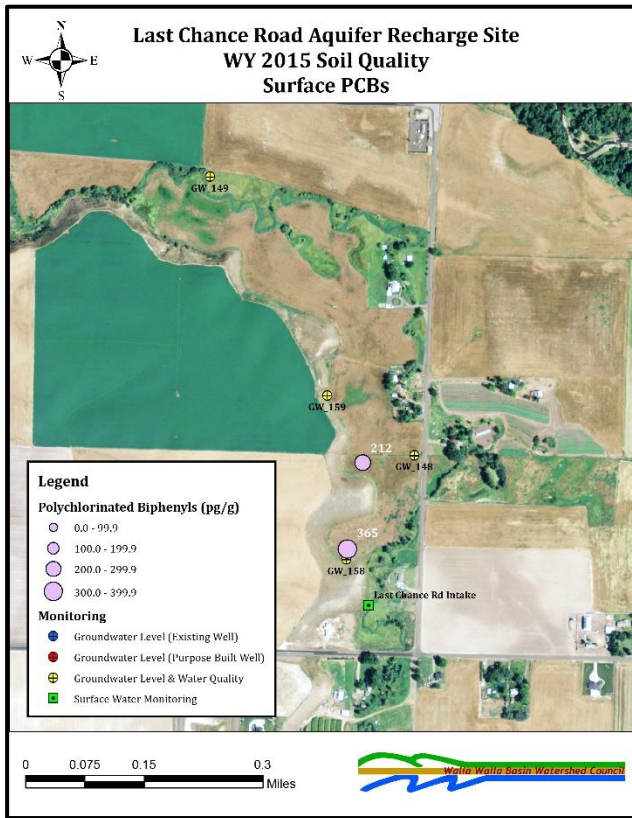


Figure 72 – Surface soil Polychlorinated Biphenyls (PCBs) values at the Last Chance Road site during the WY2015 recharge season.

Figure 73 - Subsurface (~1' below ground surface) soil Polychlorinated Biphenyls (PCBs) values at the Last Chance Road site during the WY2015 recharge season.

WA MUD CREEK

OVERVIEW

The WA Mud Creek site did not operate during the WY2015 recharge season (Figure 74). The site will be constructed in the fall of 2015 and will be ready for future recharge operations. Polychlorinated biphenyls (PCBs) samples were collected soil to establish pre-operation baselines. Nitrate and phosphorus were also analyzed in the soil samples.

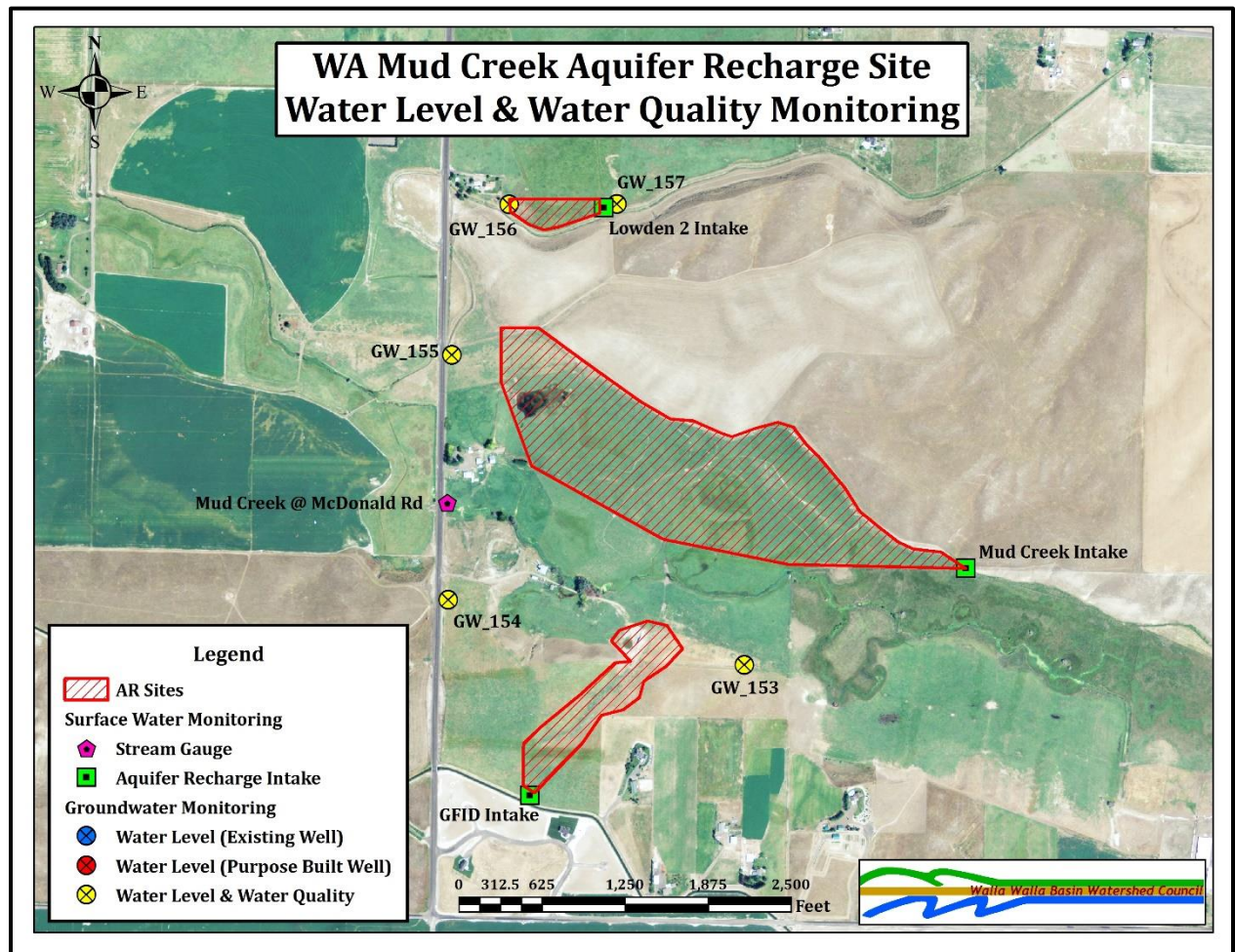


Figure 74 - Map showing groundwater monitoring sites for the WA Mud Creek Aquifer Recharge Site.

SOIL QUALITY

Full soil quality data and laboratory QA records can be found in Appendix B.

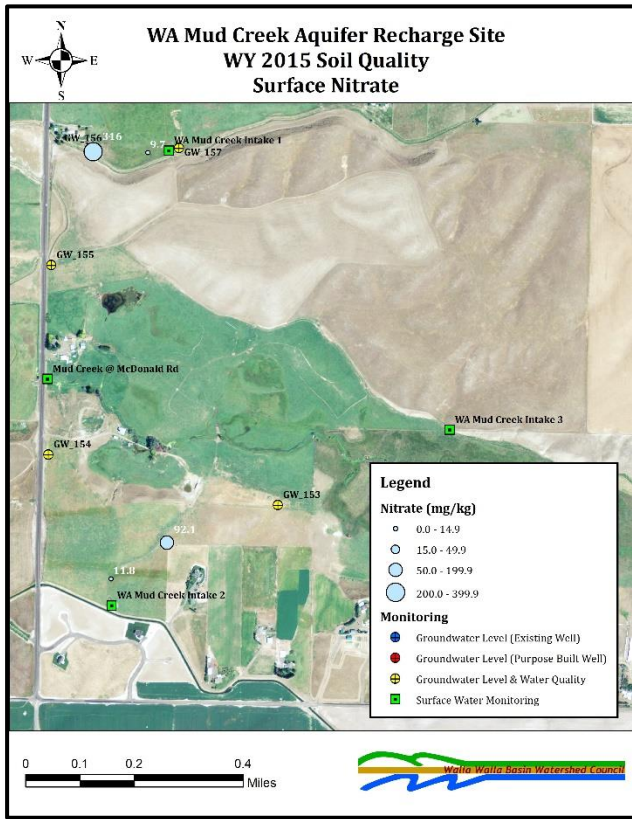


Figure 75 – Surface soil nitrate values at the WA Mud Creek site during the WY2015 recharge season.

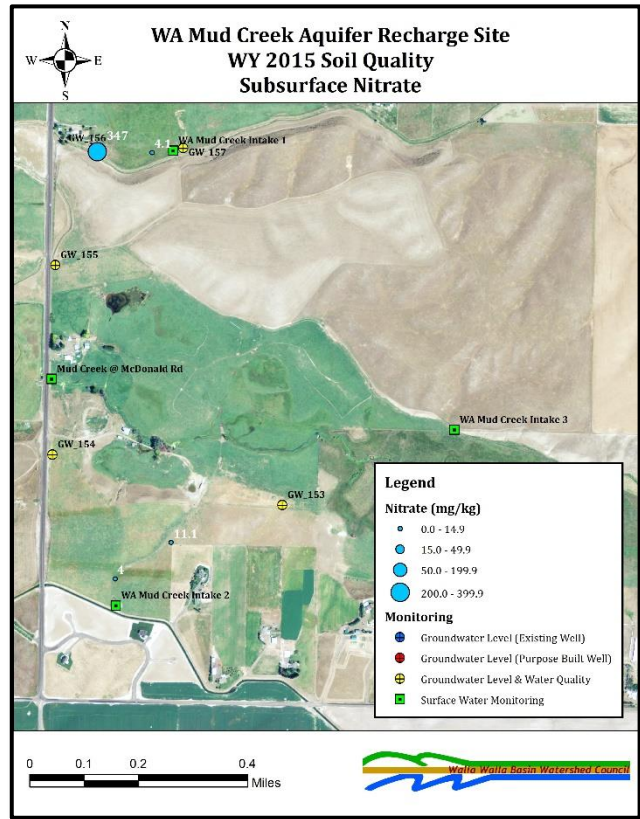


Figure 76 - Subsurface (~1' below ground surface) soil nitrate values at the WA Mud Creek site during the WY2015 recharge season.

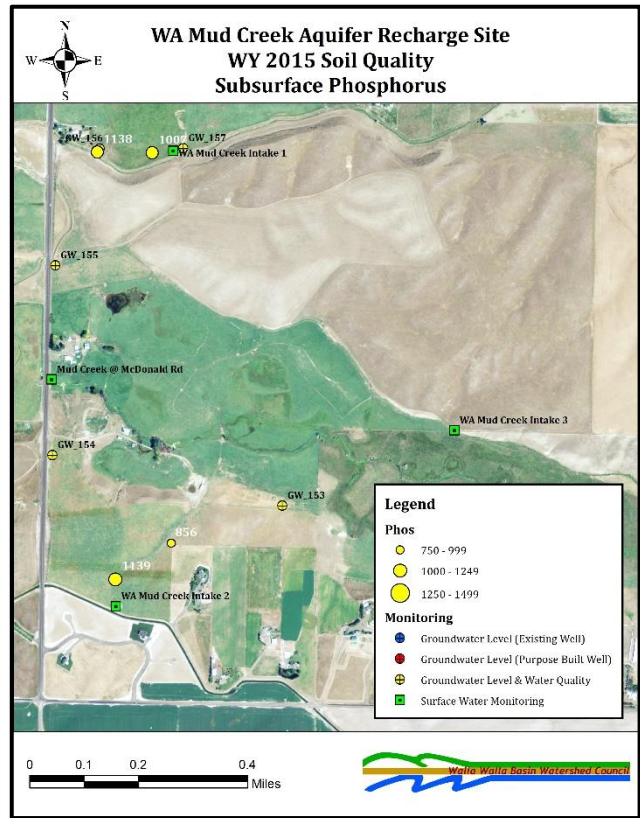
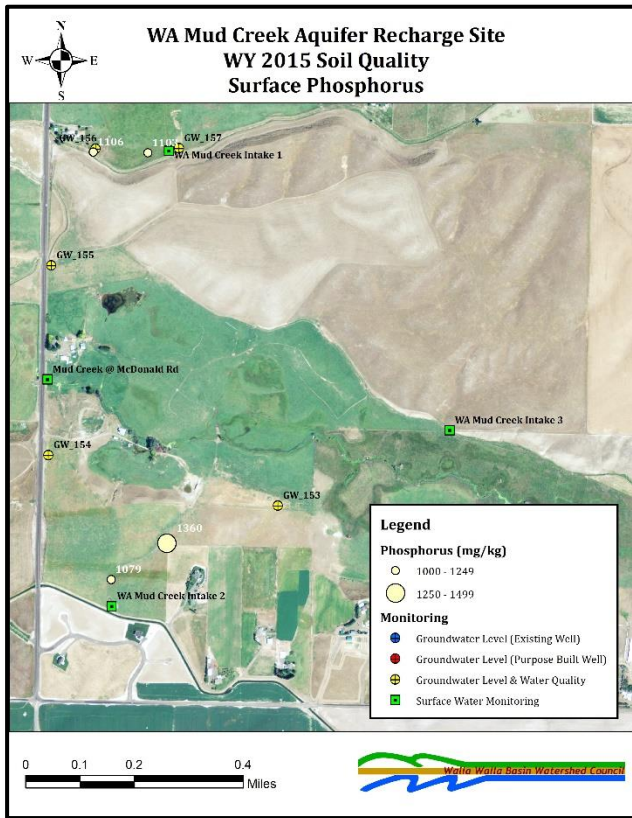


Figure 77 – Surface soil phosphorus values at the WA Mud Creek site during the WY2015 recharge season.

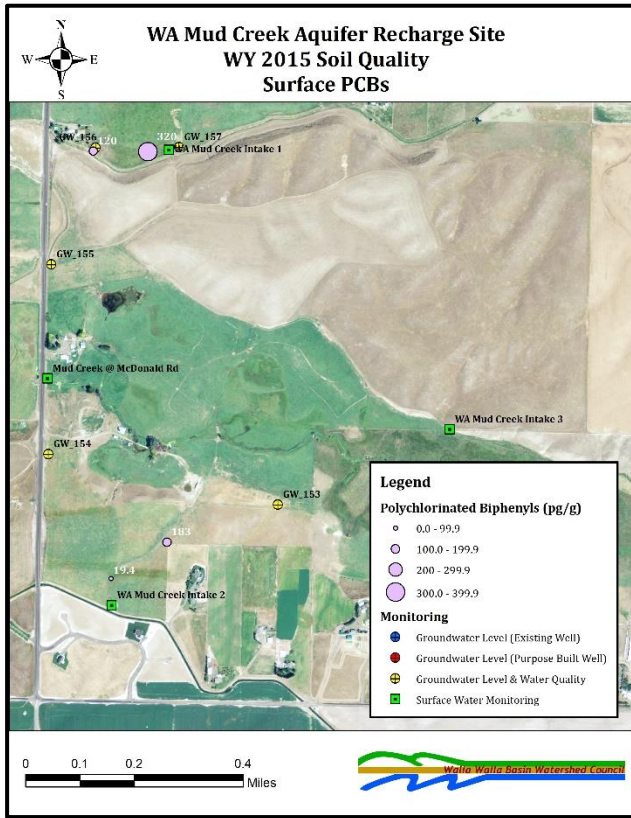


Figure 79 – Surface soil Polychlorinated Biphenyls (PCBs) values at the WA Mud Creek site during the WY2015 recharge season.

Figure 78 - Subsurface (~1' below ground surface) soil phosphorus values at the WA Mud Creek site during the WY2015 recharge season.

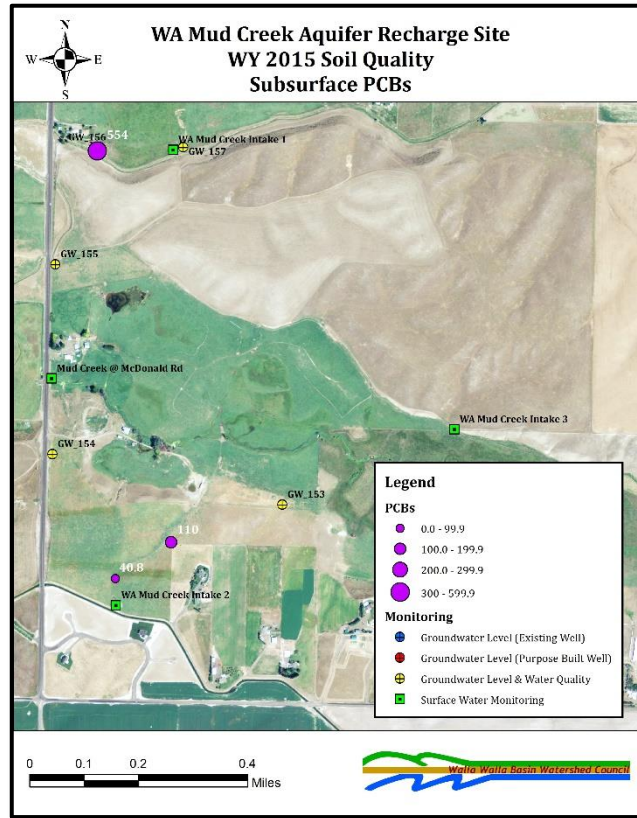


Figure 80 - Subsurface (~1' below ground surface) soil Polychlorinated Biphenyls (PCBs) values at the WA Mud Creek site during the WY2015 recharge season.

SUMMARY AND DISCUSSION

WATER LEVEL AND QUANTITY

The AR program summarized here simulates floodplain function and processes that have been lost due to irrigation and urban development and channelization of the river and stream channels for flood control and other uses. With continued AR activities at the Locher Road and Stiller Pond sites we anticipate that increasing alluvial aquifer water levels could lead to the types of spring flow increases and increased groundwater inputs to streams and rivers that have been observed in recent years resulting from Oregon AR activities elsewhere in the valley. Also, the addition of the Last Chance Road and WA Mud Creek sites will likely increase spring and stream flows in the West Little Walla Walla River and Mud Creek respectively.

Over the course of the WY2014 recharge season, the aquifer recharge program in the Washington portion of the Walla Walla Basin put ~556.48 acre-feet (~181.2 million gallons) of winter/spring run-off water into the shallow alluvial aquifer at the Locher Road site (256.48 acre-feet) and Stiller Pond (~300 acre-feet) AR sites. Water levels in the alluvial aquifer at both sites responded to AR activities. More data will need to be collected, especially at the Stiller Pond site, in order to establish trends and ongoing improvements to the alluvial aquifer system or surface water system.

During the WY2015 recharge season, the aquifer recharge program in the Washington portion of the Walla Walla Basin put ~250 acre-feet (~81.5 million gallons) of winter/spring run-off water into the shallow alluvial aquifer at the Locher Road site (36 acre-feet) and Stiller Pond (214 acre-feet) AR sites.

The Locher Road site wells indicate improving groundwater levels from the start of the project in 2007 until approximately 2011-12. Water levels in the area start to show a yearly decline starting in the summer of 2012. These decreasing water levels coincide with the last phase of the Hyline piping project on the Oregon side of the border that was completed in 2012. Water levels around the Locher Road site have dropped approximately 1 foot per year since 2012 (Appendix A). Water levels in the area rise during recharge operations, however the volume of water added to the alluvial aquifer does not appear to be sufficient to overcome the regional deficit. Unless volumes are increased (both at the Locher Road site and in Oregon), this declining water level pattern is expected to continue. Piping of the Gardena Farms Canal (source water for Locher Road) would most likely increase the rate of decline in water levels in the area without proper mitigation.

Trends and impacts due to recharge operations at the Stiller Pond site cannot yet be inferred due to limited data. Most of the wells near the site have just over two years of data and a single well has about four years of data. Additional years of operation and data collection will be needed to further evaluate the influence of this site both on groundwater and surface conditions.

WATER QUALITY

As mentioned previously in this report and in GSI, 2012a, aquifer recharge program operations do not appear to have degraded groundwater quality (Appendix B).

The water quality data collected over several AR seasons from four different sites are interpreted to have not resulted in alluvial aquifer water quality degradation. Field parameters and major ion hydrochemical trends seen in monitoring well data commonly show reduced concentrations, indicating dilution of groundwater concentrations by AR operations. A few anomalies did occur in these trends, but low source water concentrations versus high monitoring well concentrations strongly suggest that AR operations were not the cause of these anomalies. There were no significant SOC detections from any site. Of the SOC detections seen in the data sets, SOC concentrations are low enough to be considered background levels and/or these detections were instances of localized transient introduction to the water table from an unaltered ground surface AR site (specifically HW).

Water and soil quality data was reviewed by WADOE staff “based upon two year of results of water quality monitoring data at the Locher Road SAR site, Ecology has concluded that operation of the site is not contaminating groundwater with PCBs and chlorinated pesticides” (Kuttel, 2015). A similar review process will occur with the Stiller Pond site after the WY2015 recharge season.

REFERENCES

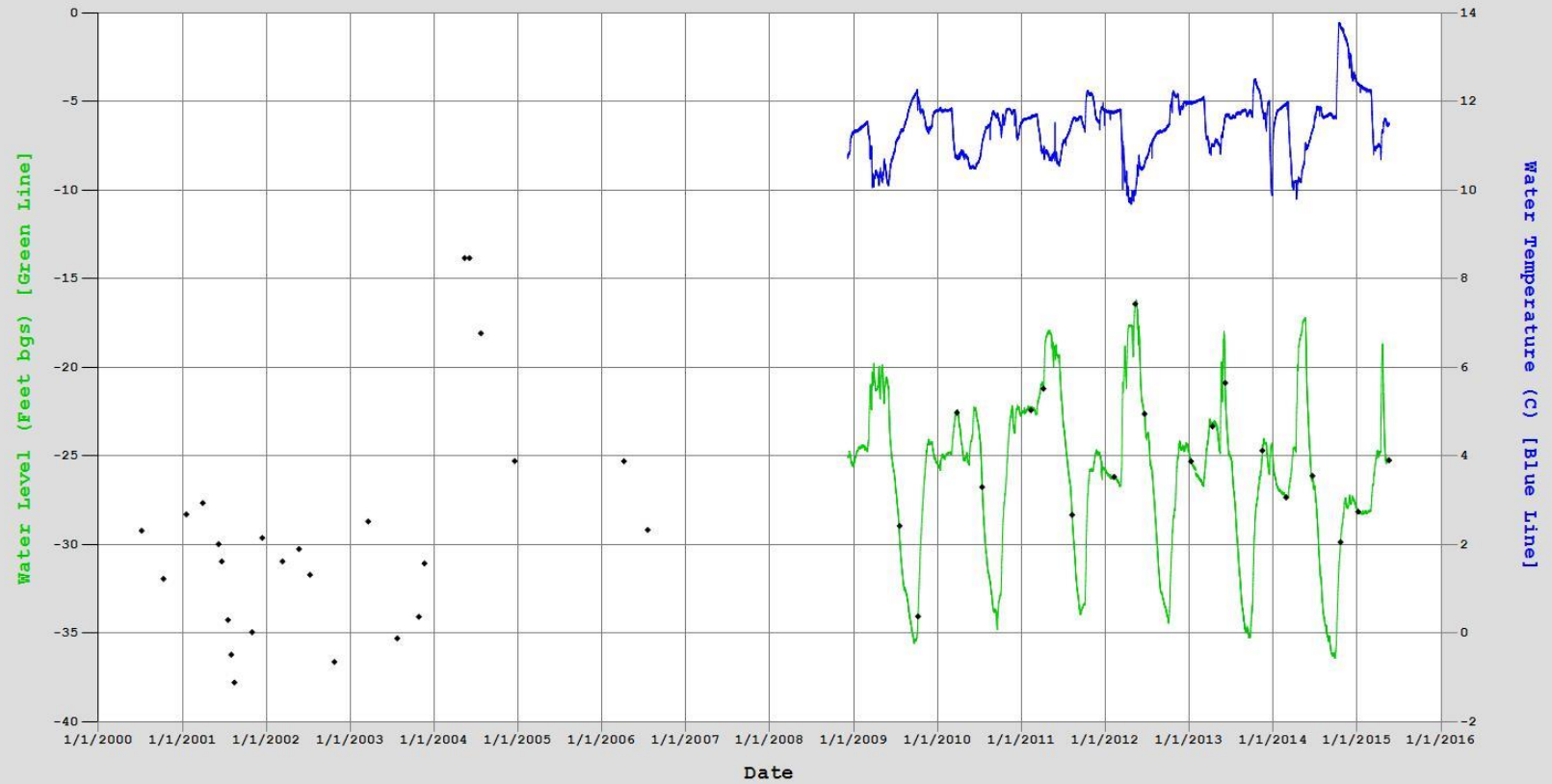
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- WWWMP, 2014. Reser Farm Local Water Plan Agreement. Walla Walla Watershed Management Partnership Local Water Plan LWP 14-01. www.wallawallawatershed.org.

WWWMP, 2014a. Hassler Local Water Plan Agreement. Walla Walla Watershed Management Partnership Local Water Plan LWP 14-01. www.wallawallawatershed.org.

**APPENDIX A - MONITORING WELL HYDROGRAPHS, INCLUDING ALL
AVAILABLE DATA, FOR THE LOCHER ROAD AND STILLER POND AQUIFER
RECHARGE SITES**

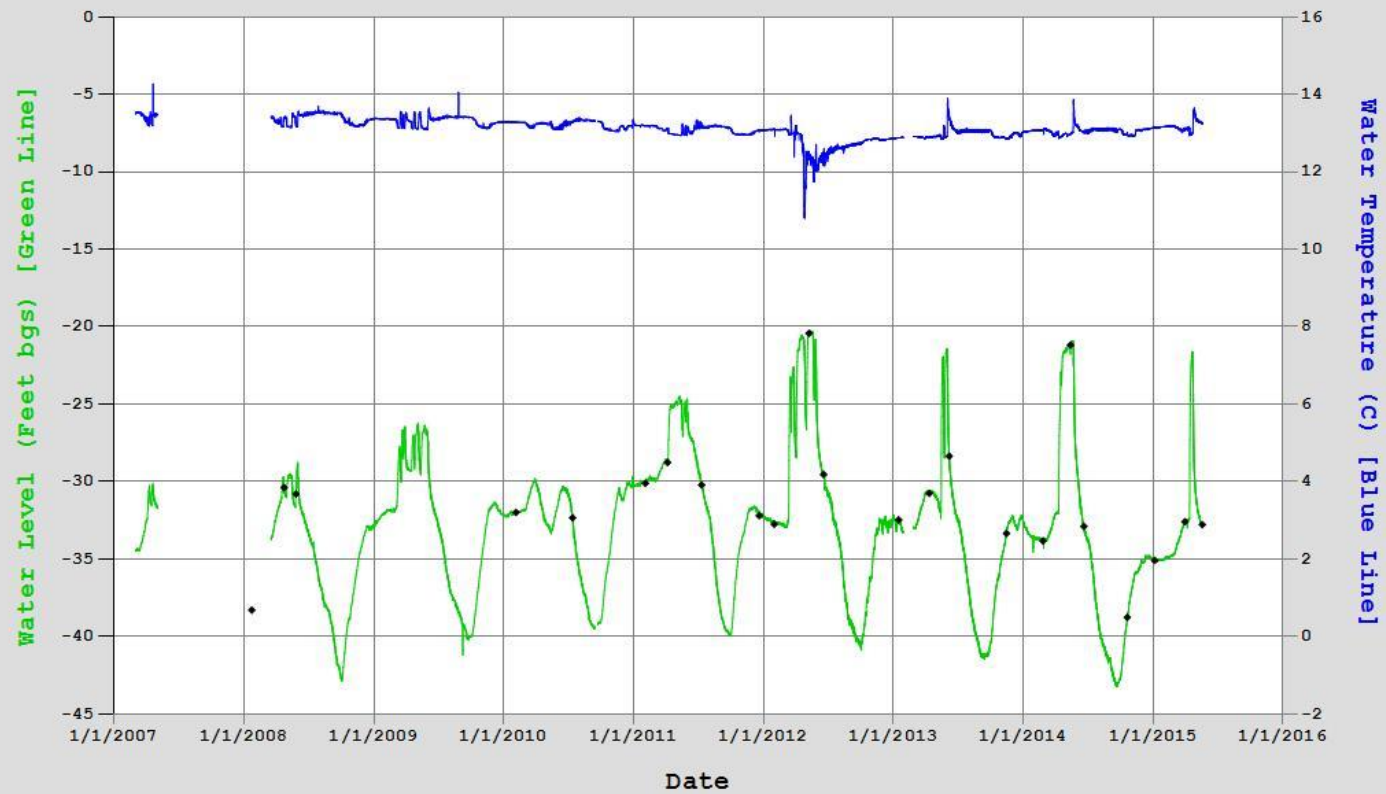
Monitoring Well GW_57

• Manual Water Level Measurements



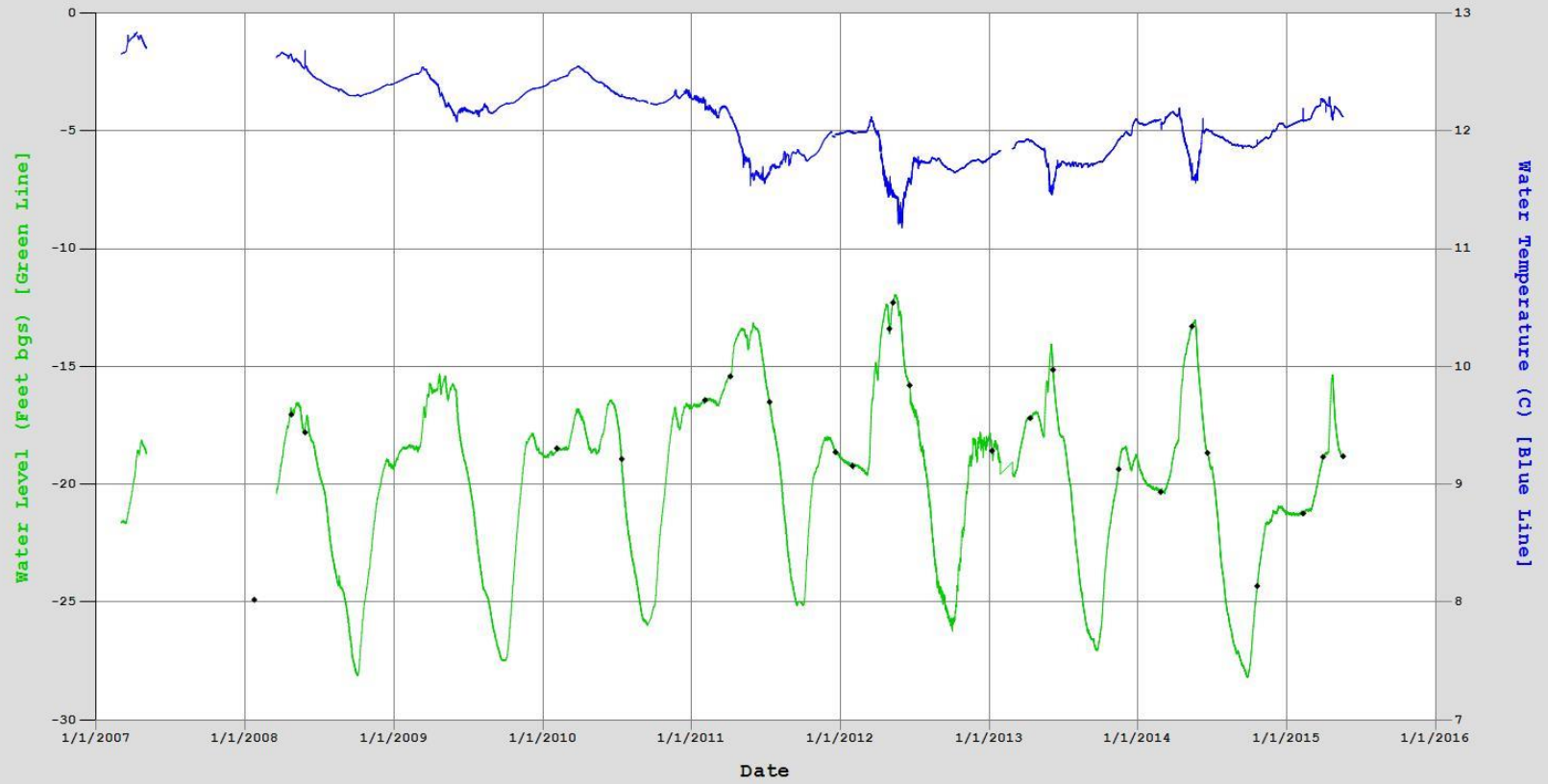
Monitoring Well GW_70

• Manual Water Level Measurements



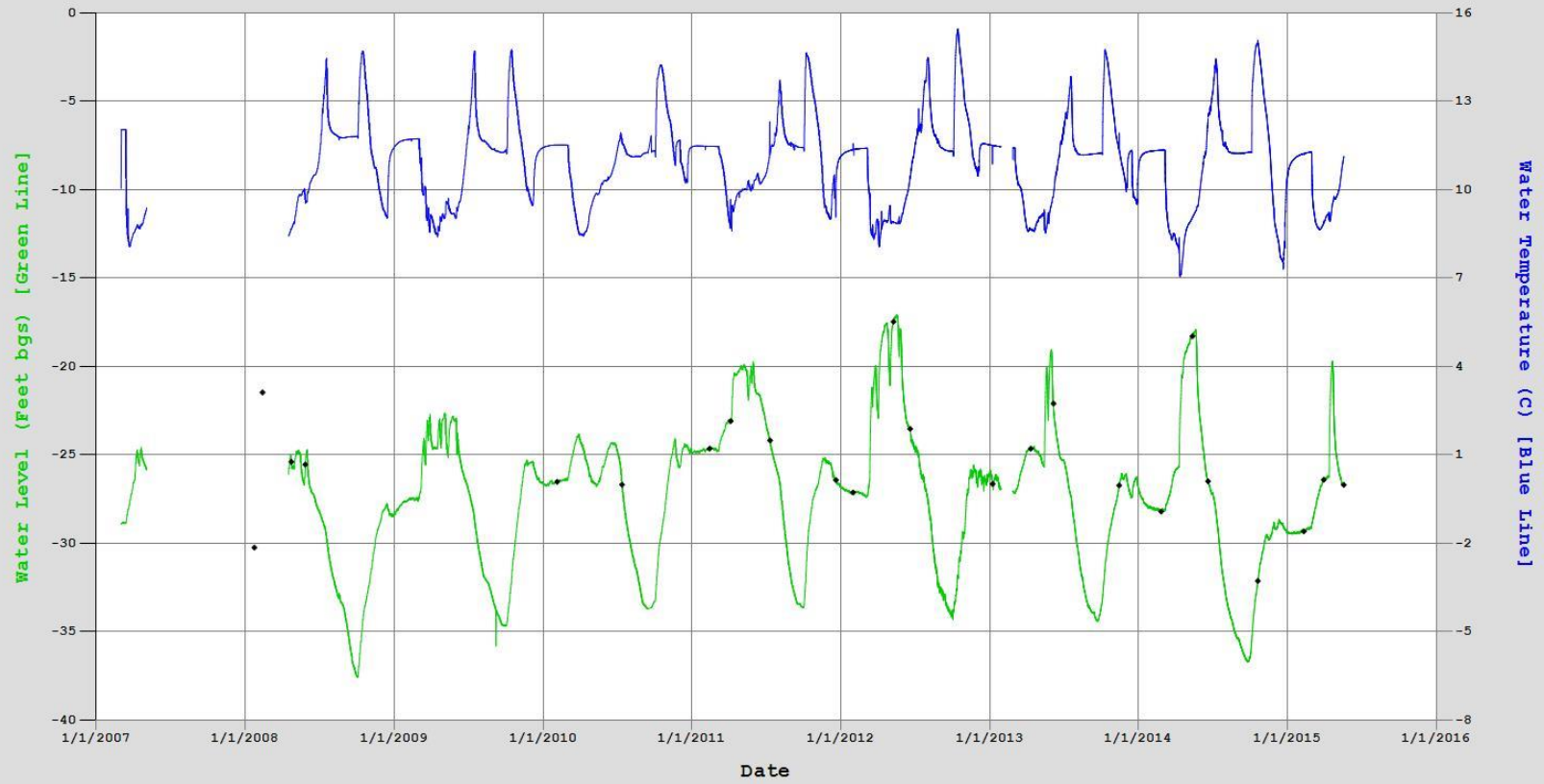
Monitoring Well GW_71

• Manual Water Level Measurements



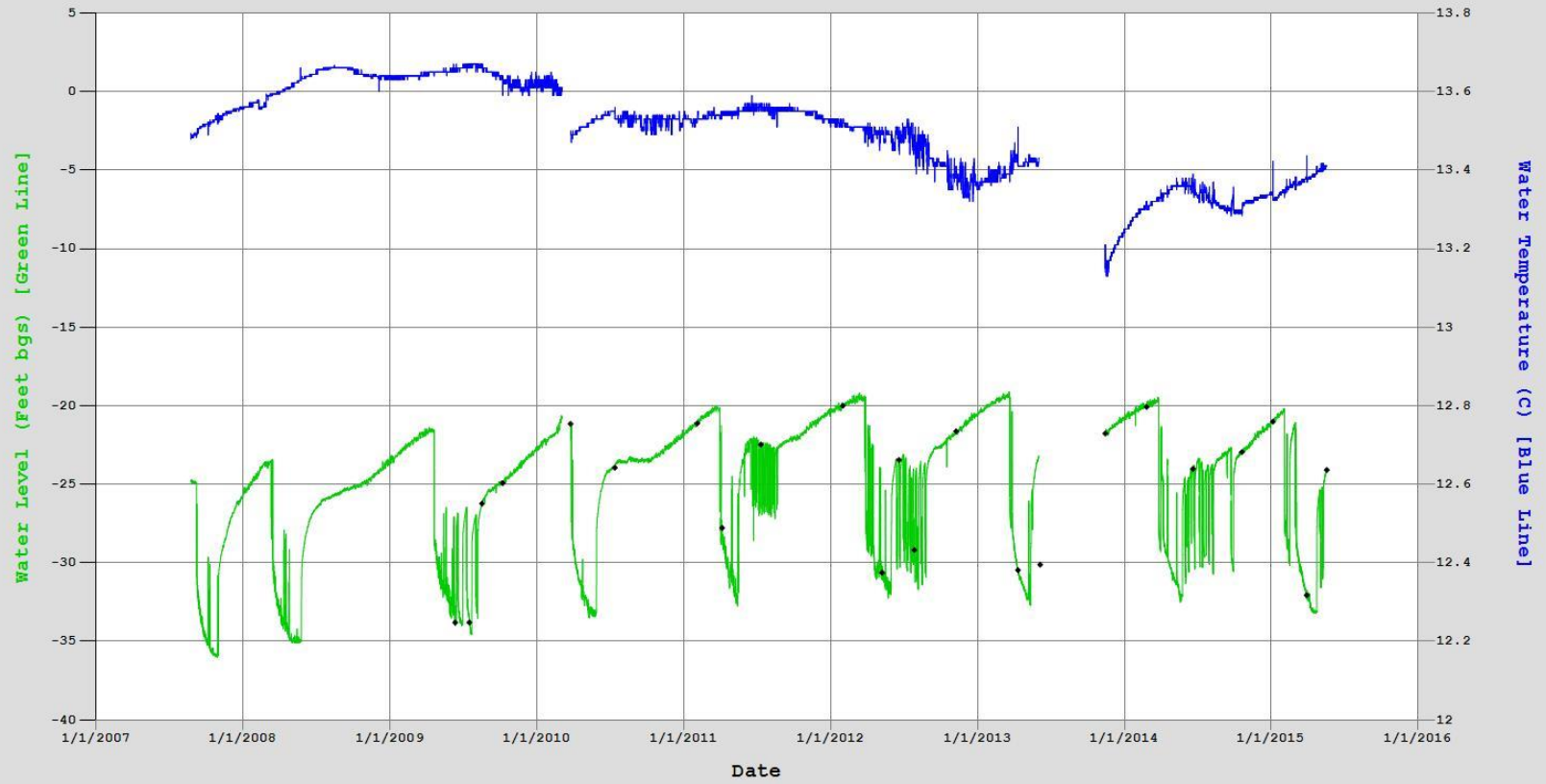
Monitoring Well GW_72

• Manual Water Level Measurements



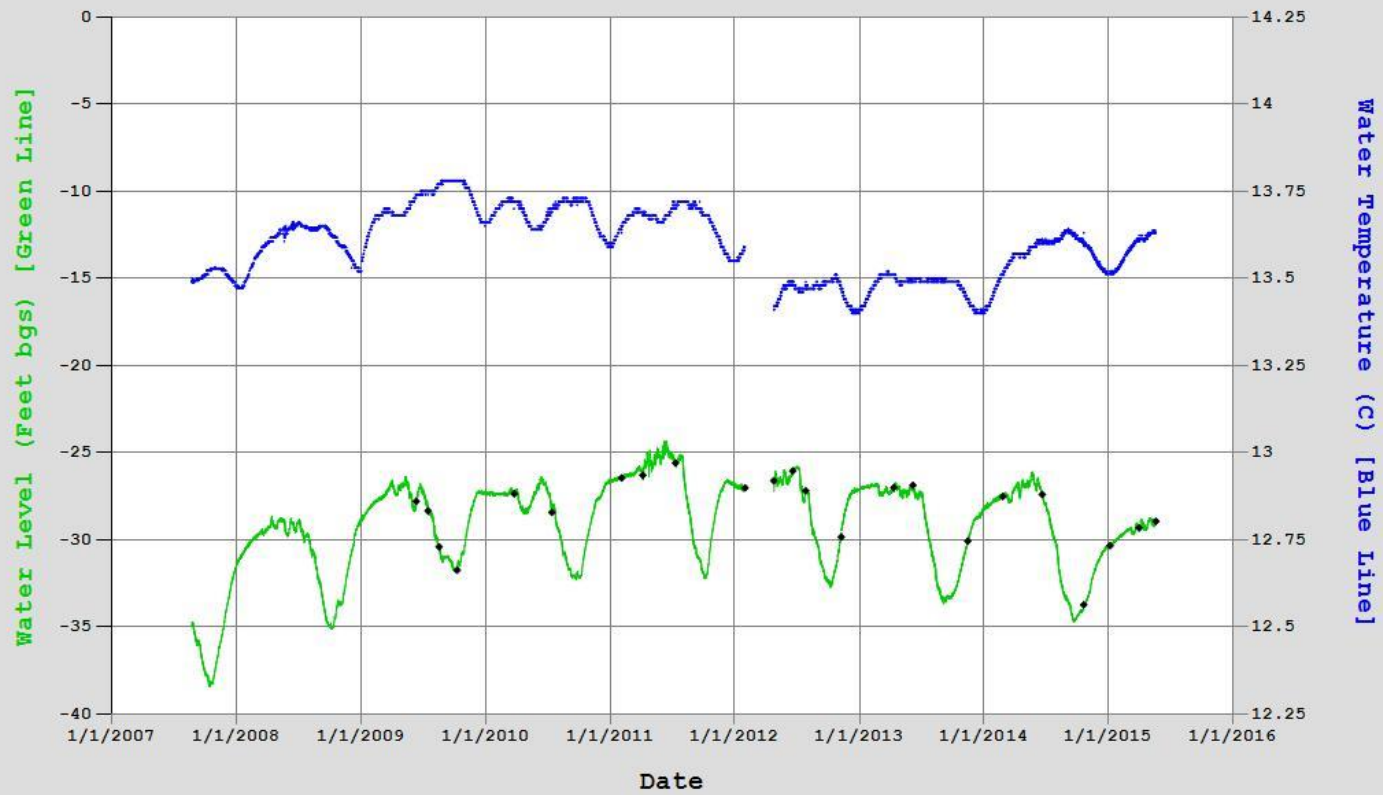
Monitoring Well GW_108

• Manual Water Level Measurements



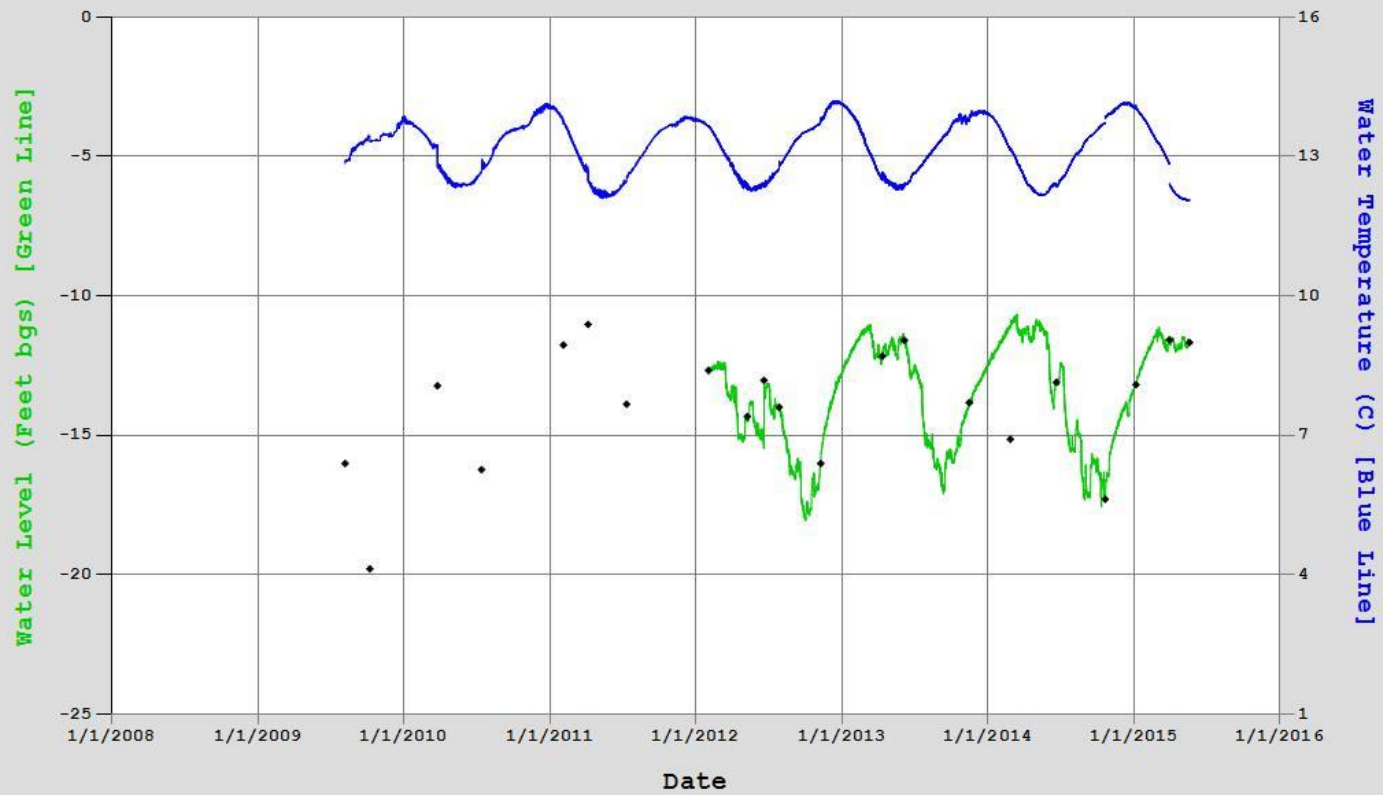
Monitoring Well GW_110

♦ Manual Water Level Measurements



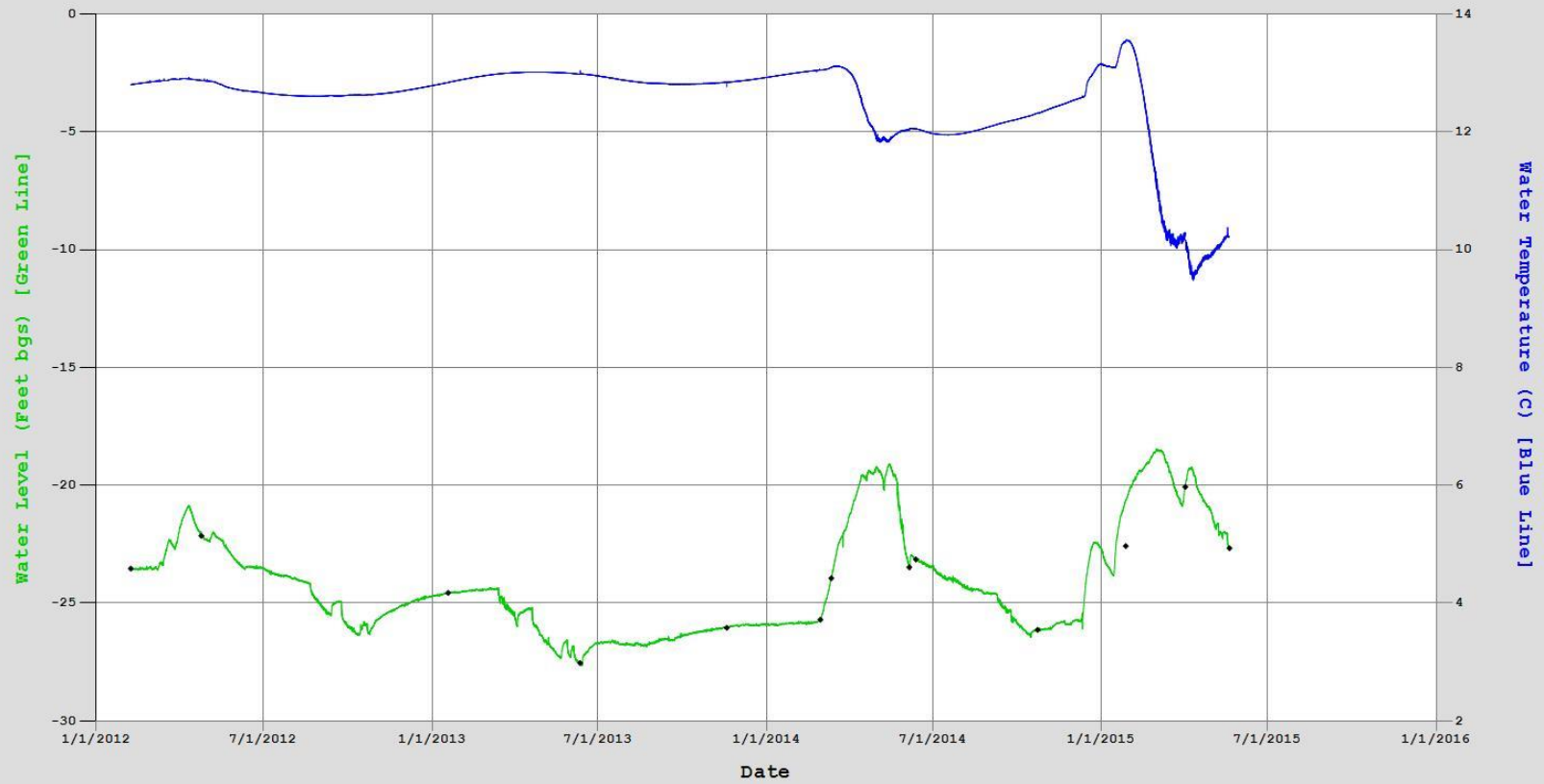
Monitoring Well GW_122

♦ Manual Water Level Measurements



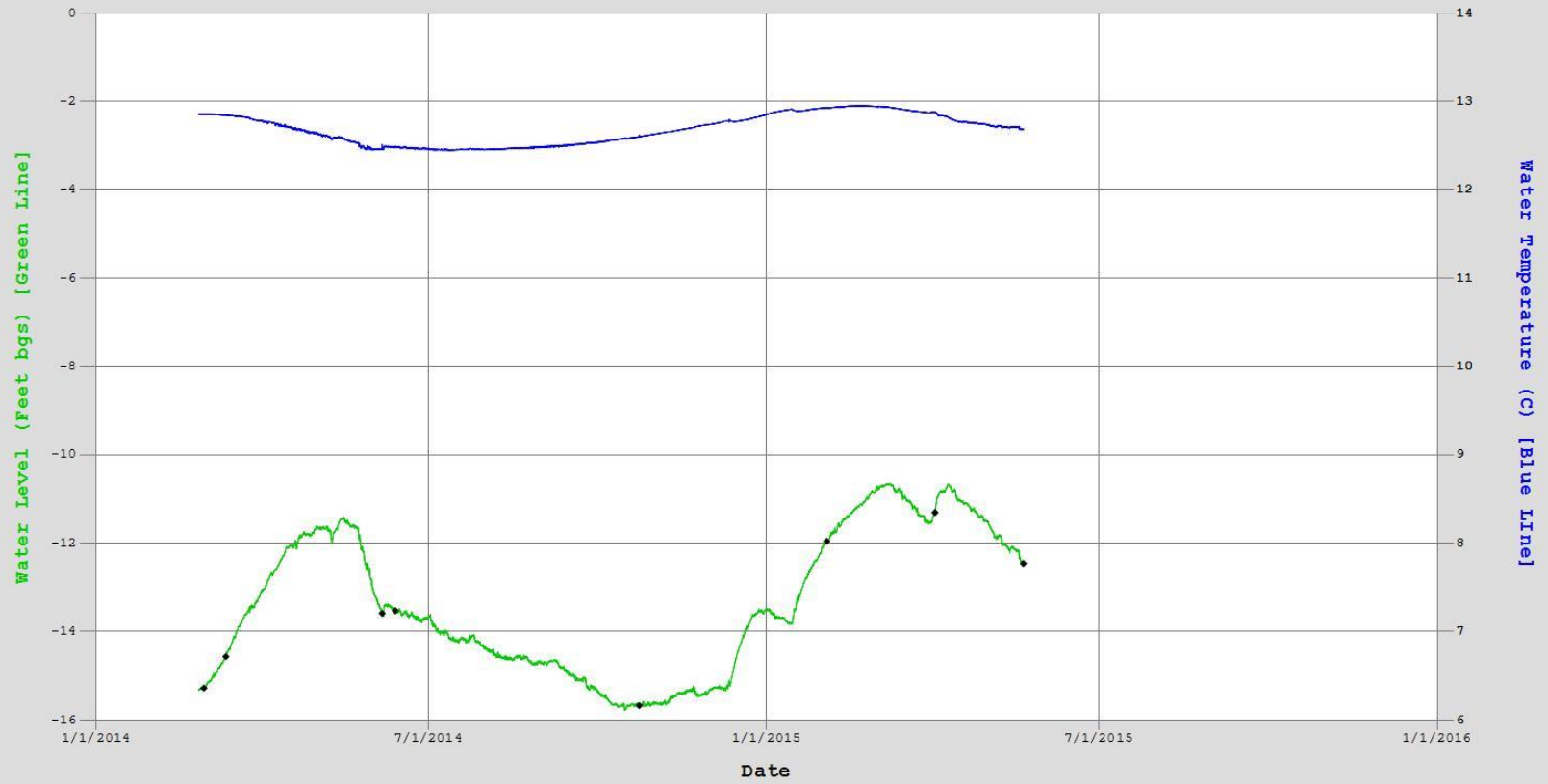
Monitoring Well GW_136

• Manual Water Level Measurements



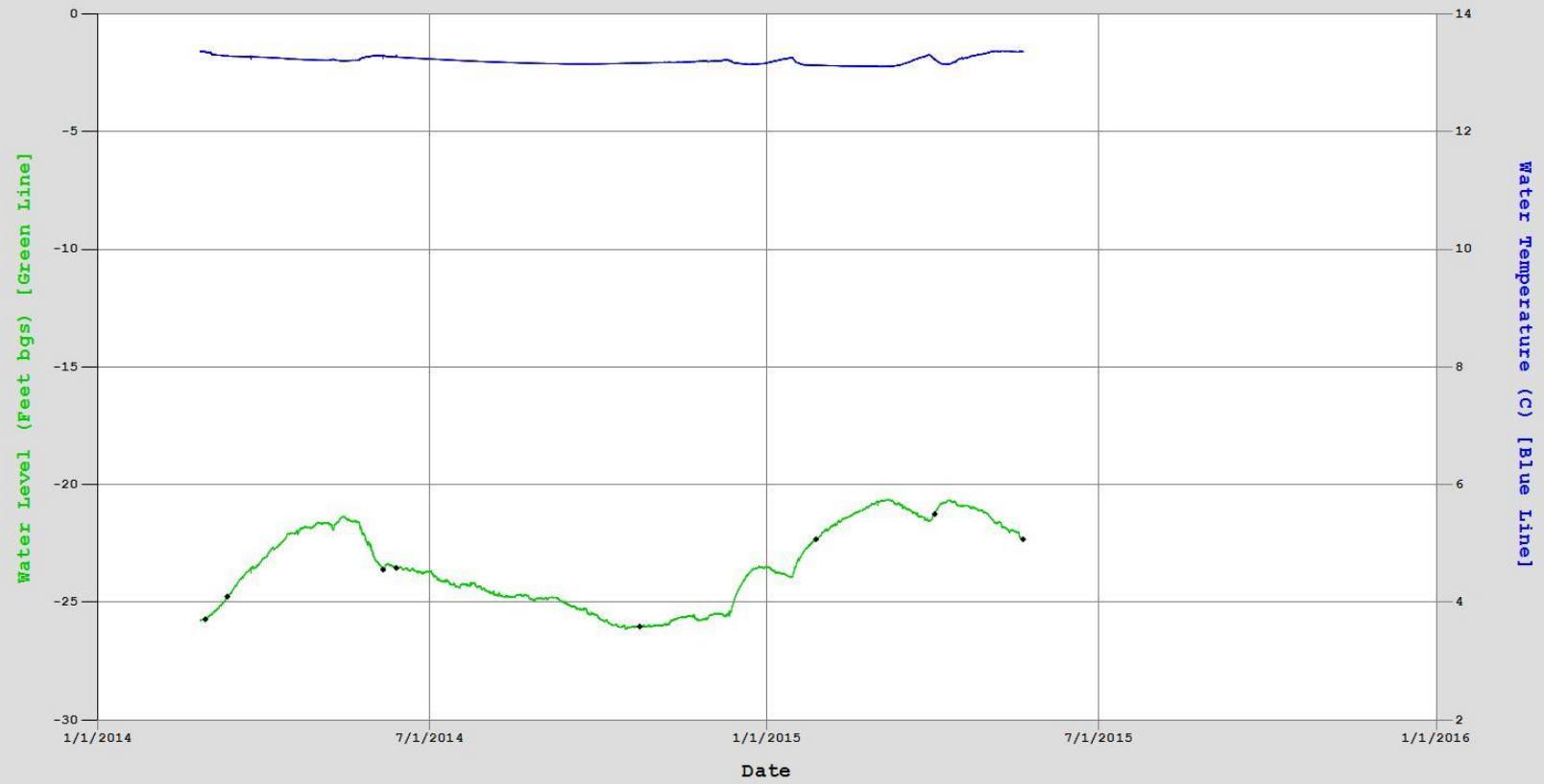
Monitoring Well GW_145

• Manual Water Level Measurements



Monitoring Well GW_146

• Manual Water Level Measurements

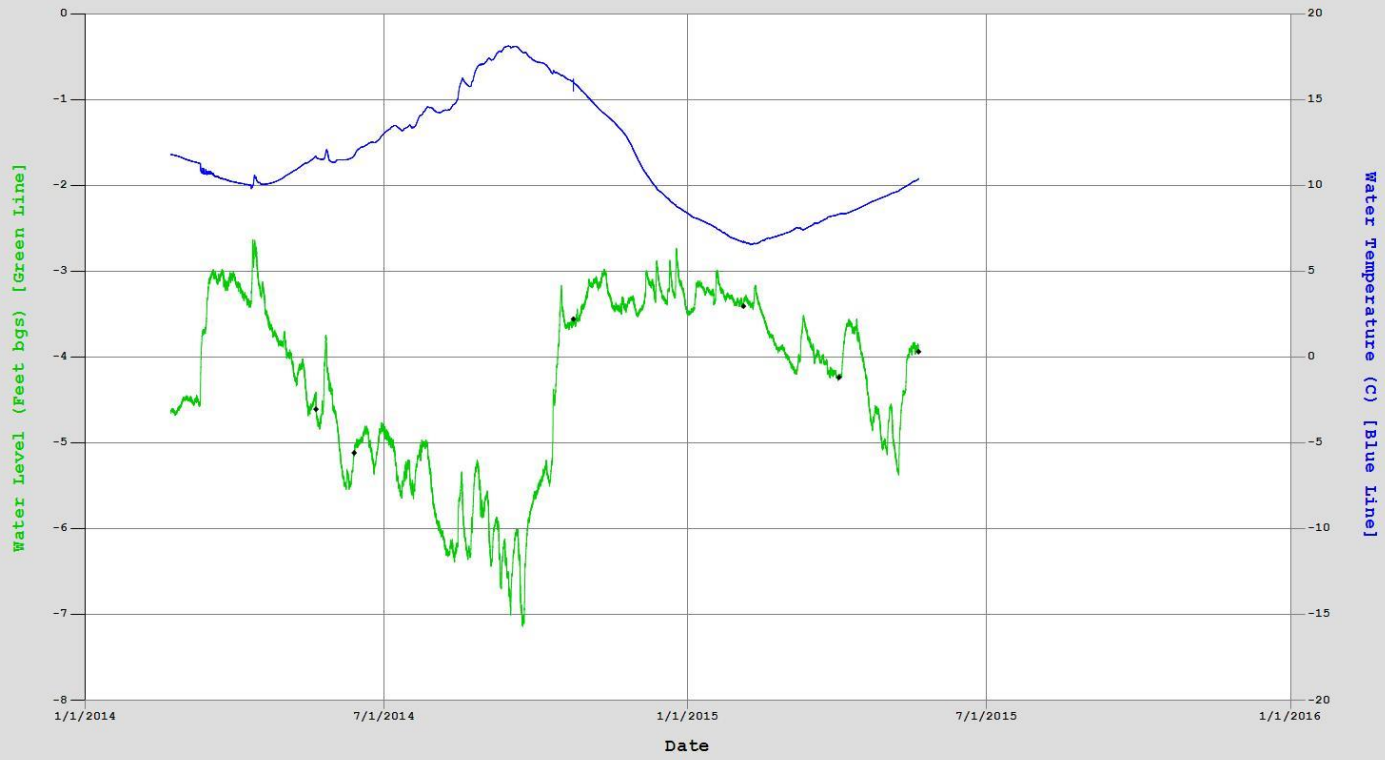


Monitoring Well GW_147

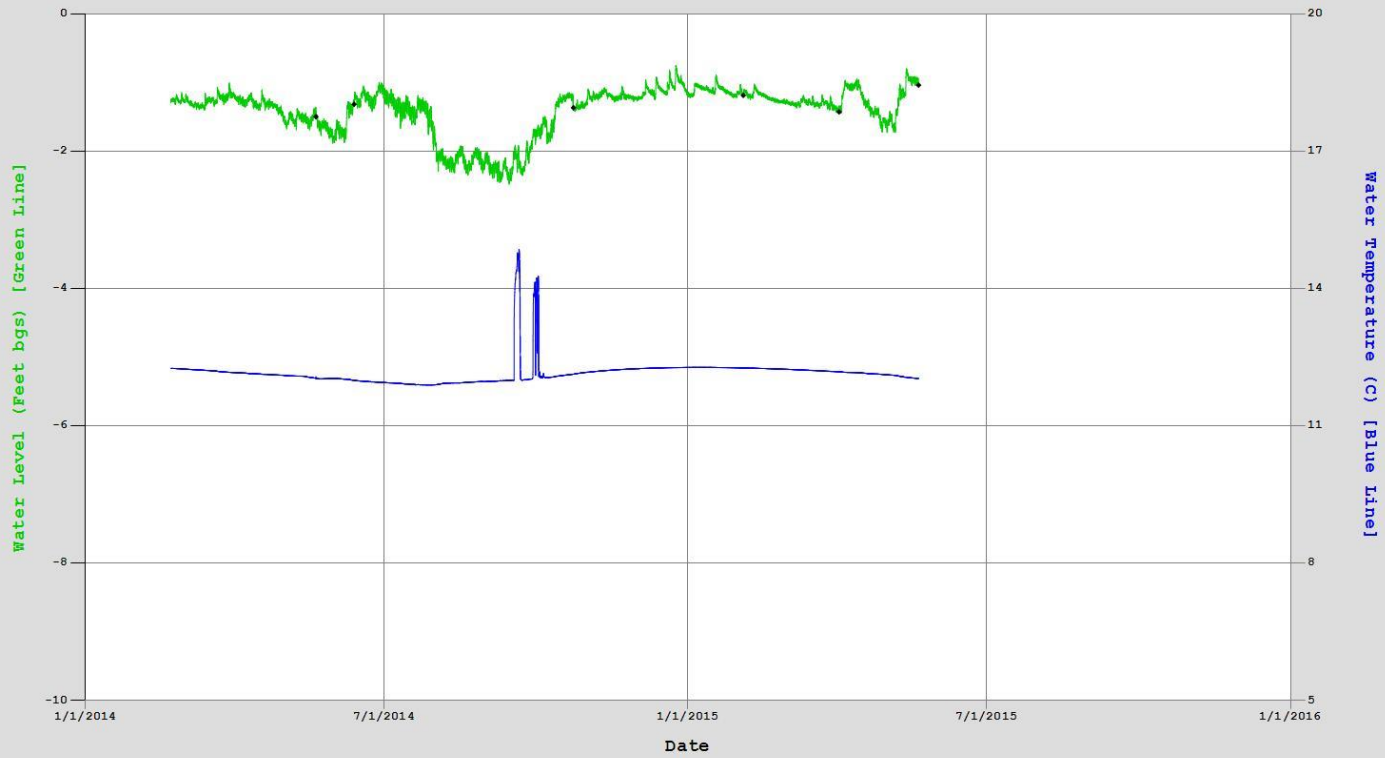
♦ Manual Water Level Measurements



Monitoring Well GW_148



Monitoring Well GW_149



APPENDIX B - WATER & SOIL QUALITY RESULTS FOR WY2014

LOCHER ROAD - WY2014



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March 28, 2014

Page 1 of 1

Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-03498 - Soil Sampling

Dear Steven Patten,

Your project: Soil Sampling, was received on Friday February 28, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody



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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08650
Field ID: Soil #11
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	0.0068		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08649
Field ID: Soil #10
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08648
Field ID: Soil #9
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08647
Field ID: Soil #8
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08646
Field ID: Soil #7
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08645
Field ID: Soil #6
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	0.0027		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08644
Field ID: Soil #5
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	0.0026		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08643
Field ID: Soil #4
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08642
Field ID: Soil #3
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08641
Field ID: Soil #2
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Lab Number: 08640
Field ID: Soil #1
Sample Description: Locher Road
Matrix: Soil
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140305

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0008	0.0004		2.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0008	0.0004		2.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0008	0.0004		2.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0008	0.0004		2.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0008	0.0004		2.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0008	0.0004		2.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0008	0.0004		2.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0008	0.0004		2.00	
72-55-9	4,4' - DDE	0.0079		mg/Kg	0.0008	0.0004		2.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0008	0.0004		2.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0008	0.0004		2.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0008	0.0004		2.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0008	0.0004		2.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0008	0.0004		2.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0008	0.0004		2.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0008	0.0004		2.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0008	0.0004		2.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0008	0.0004		2.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0008	0.0004		2.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0008	0.0004		2.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.50	0.25		2.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03498**
Project: Soil Sampling

Report Date: 3/28/14
Date Received: 2/28/14
Reviewed by:

Sample Description: Soil #1 - Locher Road										Sample Date: 2/27/14			
Lab Number: 8640		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	6.1	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	861	39.4	39.4		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #2 - Locher Road										Sample Date: 2/27/14			
Lab Number: 8641		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	14.0	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	928	67.0	67.0		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #3 - Locher Road										Sample Date: 2/27/14			
Lab Number: 8642		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	1.5	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1072	83.9	83.9		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #4 - Locher Road										Sample Date: 2/27/14			
Lab Number: 8643		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	2.0	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1064	86.0	86.0		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #5 - Locher Road										Sample Date: 2/27/14			
Lab Number: 8644		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	1.2	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1030	77.3	77.3		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
RL = Reporting Limit.
D.F. = Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: Soil #6 - Locher Road										Sample Date: 2/27/14		
Lab Number: 8645		Sample Comment:							Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.6	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	963	64.4	64.4		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #7 - Locher Road										Sample Date: 2/27/14		
Lab Number: 8646		Sample Comment:							Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.1	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1553	102	102		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #8 - Locher Road										Sample Date: 2/27/14		
Lab Number: 8647		Sample Comment:							Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.9	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1061	81.4	81.4		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #9 - Locher Road										Sample Date: 2/27/14		
Lab Number: 8648		Sample Comment:							Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	2.0	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	672	50.7	50.7		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #10 - Locher Road										Sample Date: 2/27/14		
Lab Number: 8649		Sample Comment:							Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.7	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1063	97.7	97.7		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306B	

Sample Description: Soil #11 - Locher Road										Sample Date: 2/27/14		
Lab Number: 8650		Sample Comment:							Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.2	0.1	0.1		mg/Kg	1.00	SM4500-NO3 F	3/5/14	DN	SOILTEST_1403C	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	758	41.8	41.8		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. = Dilution Factor



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03498
Report Date: 03/28/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier	Type*
8081S_140305	4,4' - DDD	0.098	0.1	mg/Kg	8081A	98	31-141	LFB	
	4,4' - DDE	0.102	0.1	mg/Kg	8081A	102	30-145		
	4,4' - DDT	0.101	0.1	mg/Kg	8081A	101	25-160		
	ALDRIN	0.094	0.1	mg/Kg	8081A	94	42-128		
	ALPHA-CHLORDANE	0.111	0.1	mg/Kg	8081A	111	60-140		
	BHC, ALPHA -	0.088	0.1	mg/Kg	8081A	88	37-134		
	BHC, BETA -	0.093	0.1	mg/Kg	8081A	93	17-147		
	BHC, DELTA -	0.076	0.1	mg/Kg	8081A	76	32-127		
	DIELDRIN	0.099	0.1	mg/Kg	8081A	99	57-126		
	ENDOSULFAN I	0.112	0.1	mg/Kg	8081A	112	67-133		
	ENDOSULFAN II	0.120	0.1	mg/Kg	8081A	120	42-146		
	ENDOSULFAN SULFATE	0.083	0.1	mg/Kg	8081A	83	20-172		
	ENDRIN	0.099	0.1	mg/Kg	8081A	99	30-147		
	ENDRIN ALDEHYDE	0.089	0.1	mg/Kg	8081A	89	78-110		
	ENDRIN KETONE	0.109	0.1	mg/Kg	8081A	109	60-140		
	GAMMA-CHLORDANE	0.093	0.1	mg/Kg	8081A	93	60-140		
	HEPTACHLOR	0.099	0.1	mg/Kg	8081A	99	34-111		
	HEPTACHLOR EPOXIDE "B"	0.095	0.1	mg/Kg	8081A	95	37-142		
	LINDANE (BHC - GAMMA)	0.088	0.1	mg/Kg	8081A	88	17-140		
	METHOXYCHLOR	0.109	0.1	mg/Kg	8081A	109	41-157		
DECACHLOROBIPHENYL (Surr)	130		%	8081A		35-155			
TETRACHLORO-M-XYLENE (Surr)	90		%	8081A		81-123			

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03498
Report Date: 03/28/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081S_140305	4,4' - DDD	ND		mg/Kg	8081A	0.00800		MB		
	4,4' - DDE	ND		mg/Kg	8081A	0.00800				
	4,4' - DDT	ND		mg/Kg	8081A	0.00800				
	ALDRIN	ND		mg/Kg	8081A	0.00800				
	ALPHA-CHLORDANE	ND		mg/Kg	8081A	0.00800				
	BHC, ALPHA -	ND		mg/Kg	8081A	0.00800				
	BHC, BETA -	ND		mg/Kg	8081A	0.00800				
	BHC, DELTA -	ND		mg/Kg	8081A	0.00800				
	DIELDRIN	ND		mg/Kg	8081A	0.00800				
	ENDOSULFAN I	ND		mg/Kg	8081A	0.00800				
	ENDOSULFAN II	ND		mg/Kg	8081A	0.00800				
	ENDOSULFAN SULFATE	ND		mg/Kg	8081A	0.00800				
	ENDRIN	ND		mg/Kg	8081A	0.00800				
	ENDRIN ALDEHYDE	ND		mg/Kg	8081A	0.00800				
	ENDRIN KETONE	ND		mg/Kg	8081A	0.00800				
	GAMMA-CHLORDANE	ND		mg/Kg	8081A	0.00800				
	HEPTACHLOR	ND		mg/Kg	8081A	0.00800				
	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	8081A	0.00800				
	LINDANE (BHC - GAMMA)	ND		mg/Kg	8081A	0.00800				
	METHOXYCHLOR	ND		mg/Kg	8081A	0.00800				
	TOXAPHENE	ND		ug/L	8081A	0.00800				
	DECACHLOROBIPHENYL (Surr)	126		%	8081A					
	TETRACHLORO-M-XYLENE (Surr)	91		%	8081A					

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



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**SAMPLE DEPENDENT
 QUALITY CONTROL REPORT**
 Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-03498
 Report Date: 3/28/2014

Duplicate

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	
				Result					Qualifier	Type
6010B-140306B										
	8649	TOTAL PHOSPHORUS	1063	1087		mg/Kg	2.2	0-20		DUP
8081S_140305										
	8646	DECACHLOROBIPHENYL (Surr)	106	103		%	2.9	0-50		DUP
	8646	TETRACHLORO-M-XYLENE (Surr)	89	91		%	2.2	0-50		DUP
	8650	4,4' - DDE	0.0068	0.0066		mg/Kg	3.0	0-50		DUP
	8650	DECACHLOROBIPHENYL (Surr)	102	105		%	2.9	0-50		DUP
	8650	TETRACHLORO-M-XYLENE (Surr)	103	98		%	5.0	0-50		DUP
TS_140228										
	8647	TOTAL SOLIDS FOR CALCULATION	80.84	78.80		%	2.6	0-45		DUP
	8650	TOTAL SOLIDS FOR CALCULATION	67.97	67.28		%	1.0	0-45		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate			Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
6010B-140306B															
	8649	TOTAL PHOSPHORUS	1063	2183	2504	1416	mg/Kg	79	102	70-130	25.1	0-20	IM	LFM	
8081S_140305															
	4647	ALDRIN	ND	0.12		0.12	mg/Kg	100	NA	42-128	NA	0-30		LFM	
	4647	BHC, ALPHA -	ND	0.12		0.12	mg/Kg	100	NA	37-134	NA	0-30		LFM	
	4647	BHC, BETA -	ND	0.11		0.12	mg/Kg	92	NA	17-147	NA	0-30		LFM	
	4647	LINDANE (BHC - GAMMA)	ND	0.11		0.12	mg/Kg	92	NA	17-140	NA	0-30		LFM	
	4647	BHC, DELTA -	ND	0.10		0.12	mg/Kg	83	NA	32-127	NA	0-30		LFM	
	4647	ALPHA-CHLORDANE	ND	0.12		0.12	mg/Kg	100	NA	60-140	NA	0-30		LFM	
	4647	GAMMA-CHLORDANE	ND	0.11		0.12	mg/Kg	92	NA	60-140	NA	0-30		LFM	
	4647	4,4' - DDT	ND	0.11		0.12	mg/Kg	92	NA	25-160	NA	0-30		LFM	
	4647	4,4' - DDE	ND	0.12		0.12	mg/Kg	100	NA	30-145	NA	0-30		LFM	
	4647	4,4' - DDD	ND	0.11		0.12	mg/Kg	92	NA	31-141	NA	0-30		LFM	
	4647	DIELDRIN	ND	0.12		0.12	mg/Kg	100	NA	57-126	NA	0-30		LFM	
	4647	ENDOSULFAN I	ND	0.14		0.12	mg/Kg	117	NA	67-133	NA	0-30		LFM	
	4647	ENDOSULFAN II	ND	0.13		0.12	mg/Kg	108	NA	42-146	NA	0-30		LFM	
	4647	ENDOSULFAN SULFATE	ND	0.11		0.12	mg/Kg	92	NA	20-172	NA	0-30		LFM	
	4647	ENDRIN	ND	0.13		0.12	mg/Kg	108	NA	30-147	NA	0-30		LFM	
	4647	ENDRIN ALDEHYDE	ND	0.11		0.12	mg/Kg	92	NA	78-110	NA	0-30		LFM	
	4647	ENDRIN KETONE	ND	0.12		0.12	mg/Kg	100	NA	60-140	NA	0-30		LFM	
	4647	HEPTACHLOR	ND	0.13		0.12	mg/Kg	108	NA	34-111	NA	0-30		LFM	
	4647	HEPTACHLOR EPOXIDE "B"	ND	0.12		0.12	mg/Kg	100	NA	37-142	NA	0-30		LFM	
	4647	METHOXYCHLOR	ND	0.14		0.12	mg/Kg	117	NA	41-157	NA	0-30		LFM	
	4647	DECACHLOROBIPHENYL (Surr)	117	139		%			NA	35-155	NA	0-30		LFM	
	4647	TETRACHLORO-M-XYLENE (Surr)	102	94		%			NA	81-123	NA	0-30		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**QUALITY CONTROL REPORT
SURROGATE REPORT**

Reference Number: 14-03498
Report Date: 03/27/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081S_140305 8640	DECACHLOROBIPHENYL (Surr)	93		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	93		%		Acceptance Limits 81-123%
8081S_140305 8641	DECACHLOROBIPHENYL (Surr)	102		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	92		%		Acceptance Limits 81-123%
8081S_140305 8642	DECACHLOROBIPHENYL (Surr)	102		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	92		%		Acceptance Limits 81-123%
8081S_140305 8643	DECACHLOROBIPHENYL (Surr)	103		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	91		%		Acceptance Limits 81-123%
8081S_140305 8644	DECACHLOROBIPHENYL (Surr)	100		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	91		%		Acceptance Limits 81-123%
8081S_140305 8645	DECACHLOROBIPHENYL (Surr)	99		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	90		%		Acceptance Limits 81-123%
8081S_140305 8646	DECACHLOROBIPHENYL (Surr)	106		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	89		%		Acceptance Limits 81-123%
8081S_140305 8647	DECACHLOROBIPHENYL (Surr)	117		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	102		%		Acceptance Limits 81-123%
8081S_140305 8648	DECACHLOROBIPHENYL (Surr)	107		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	98		%		Acceptance Limits 81-123%
8081S_140305 8649	DECACHLOROBIPHENYL (Surr)	113		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	99		%		Acceptance Limits 81-123%
8081S_140305 8650	DECACHLOROBIPHENYL (Surr)	102		%	8081A	Acceptance Limits 35-155%
	TETRACHLORO-M-XYLENE (Surr)	103		%		Acceptance Limits 81-123%

***Notation:**

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-03498

Report Date: 03/28/14

Qualifier	Definition
CV	The end calibration verification was significantly below the acceptance criterion of 80%. Low recovery is a result of this sample's high boiling material residue analyzed prior affecting chromatography. Data if reported, is suspect as biased low.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03498**

Date: March 31, 2014

Project: Soil Sampling

Date Received: February 28, 2014

Purchase Order:

Attn:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	8640.00	Soil #1	Locher Road	Nitrate-N	\$22.00
2	8640.01	Soil #1	Locher Road	Total Phosphorus	\$25.00
3	8640.02	Soil #1	Locher Road	Pesticides in Soil	\$200.00
4	8640.03	Soil #1	Locher Road	Total Solids for Calculation	
5	8641.00	Soil #2	Locher Road	Nitrate-N	\$22.00
6	8641.01	Soil #2	Locher Road	Total Phosphorus	\$25.00
7	8641.02	Soil #2	Locher Road	Pesticides in Soil	\$200.00
8	8641.03	Soil #2	Locher Road	Total Solids for Calculation	
9	8642.00	Soil #3	Locher Road	Nitrate-N	\$22.00
10	8642.01	Soil #3	Locher Road	Total Phosphorus	\$25.00
11	8642.02	Soil #3	Locher Road	Pesticides in Soil	\$200.00
12	8642.03	Soil #3	Locher Road	Total Solids for Calculation	
13	8643.00	Soil #4	Locher Road	Nitrate-N	\$22.00
14	8643.01	Soil #4	Locher Road	Total Phosphorus	\$25.00
15	8643.02	Soil #4	Locher Road	Pesticides in Soil	\$200.00
16	8643.03	Soil #4	Locher Road	Total Solids for Calculation	
17	8644.00	Soil #5	Locher Road	Nitrate-N	\$22.00
18	8644.01	Soil #5	Locher Road	Total Phosphorus	\$25.00
19	8644.02	Soil #5	Locher Road	Pesticides in Soil	\$200.00
20	8644.03	Soil #5	Locher Road	Total Solids for Calculation	
21	8645.00	Soil #6	Locher Road	Nitrate-N	\$22.00
22	8645.01	Soil #6	Locher Road	Total Phosphorus	\$25.00
23	8645.02	Soil #6	Locher Road	Pesticides in Soil	\$200.00
24	8645.03	Soil #6	Locher Road	Total Solids for Calculation	
25	8646.00	Soil #7	Locher Road	Nitrate-N	\$22.00
26	8646.01	Soil #7	Locher Road	Total Phosphorus	\$25.00
27	8646.02	Soil #7	Locher Road	Pesticides in Soil	\$200.00
28	8646.03	Soil #7	Locher Road	Total Solids for Calculation	
29	8647.00	Soil #8	Locher Road	Nitrate-N	\$22.00

Thank You for Your Business

Please pay to corporate office by April 30, 2014 to avoid a 1.5% per month finance charge.



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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03498**

Date: March 31, 2014

Project: Soil Sampling

Date Received: February 28, 2014

Purchase Order:

Attn:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
30	8647.01	Soil #8	Locher Road	Total Phosphorus	\$25.00
31	8647.02	Soil #8	Locher Road	Pesticides in Soil	\$200.00
32	8647.03	Soil #8	Locher Road	Total Solids for Calculation	
33	8648.00	Soil #9	Locher Road	Nitrate-N	\$22.00
34	8648.01	Soil #9	Locher Road	Total Phosphorus	\$25.00
35	8648.02	Soil #9	Locher Road	Pesticides in Soil	\$200.00
36	8648.03	Soil #9	Locher Road	Total Solids for Calculation	
37	8649.00	Soil #10	Locher Road	Nitrate-N	\$22.00
38	8649.01	Soil #10	Locher Road	Total Phosphorus	\$25.00
39	8649.02	Soil #10	Locher Road	Pesticides in Soil	\$200.00
40	8649.03	Soil #10	Locher Road	Total Solids for Calculation	
41	8650.00	Soil #11	Locher Road	Nitrate-N	\$22.00
42	8650.01	Soil #11	Locher Road	Total Phosphorus	\$25.00
43	8650.02	Soil #11	Locher Road	Pesticides in Soil	\$200.00
44	8650.03		Shipping Charge	SHIPPING CHARGE	\$141.09
45	8650.04	Soil #11	Locher Road	Total Solids for Calculation	

Grand Total: \$2,858.09

Amount Paid: \$0.00

Amount Due: **\$2,858.09**

Thank You for Your Business

Please pay to corporate office by April 30, 2014 to avoid a 1.5% per month finance charge.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only		
Ship Address:	810 S Main Street	Address:		Ref # <u>14-03498</u>		
City:	Milton-Freewe St.	OR zip:	97862	City:	St.	Zip:
Attn:	Steven Patten	Phone:		FAX:		
Phone:	541.938-2170	FAX:		P.O.#:	Attn:	
Email:	steven.patten@wwbwc.org	<input type="checkbox"/> Visa	<input type="checkbox"/> M/C	<input type="checkbox"/> A/E	Expires	/
Project	Soil Sampling	Card#:		<input type="checkbox"/> RCRA / CERCLA	<input type="checkbox"/> Other	

ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A (Chlorinated Pesticides)	Nitrate as N, Total Phosphorus	Number of Containers				Special Instructions Conditions on Receipt	
1	Soil #1				8:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					11	
2	Soil #2				8:03	<input type="checkbox"/>	<input type="checkbox"/>						
3	Soil #3				8:10	<input type="checkbox"/>	<input type="checkbox"/>						
4	Soil #4				8:13	<input type="checkbox"/>	<input type="checkbox"/>						
5	Soil #5				8:17	<input type="checkbox"/>	<input type="checkbox"/>						
6	Soil #6				8:22	<input type="checkbox"/>	<input type="checkbox"/>						
7	Soil #7				8:27	<input type="checkbox"/>	<input type="checkbox"/>						
8	Soil #8				8:30	<input type="checkbox"/>	<input type="checkbox"/>						
9	Soil #9				8:37	<input type="checkbox"/>	<input type="checkbox"/>						
10	Soil #10				8:45	<input type="checkbox"/>	<input type="checkbox"/>						

Sampled by: Steven Patten Phone: 541-938-2170 FAX:

Email: steven.patten@wwbwc.org Total Containers 11

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water

SW - surface water GW - Ground water

WW - waste water S - soil

OL - oil Other

Relinquished by	Date	Time	Received by	Date	Time
<u>Steven Patten</u>	<u>2/27/14</u>	<u>13:45</u>	<u>[Signature]</u>	<u>2/27/14</u>	<u>09:30</u>

Custody seals intact Yes No N/A

Sample temp 4 C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Ref #
City: Milton-Freewe st OR zip: 97862	City: St Zip: 	Check Regulatory Program
Attn: Steven Patten	Phone: FAX: 	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541-938-2170 FAX: 	P.O.#: Attn: 	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> MIC <input type="checkbox"/> A/E <input type="checkbox"/> Expire: /	<input type="checkbox"/> RCRA / CERCLA
Project: Soil Sampling	Card#:	<input type="checkbox"/> Other

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98223
 Microbiology (888-725-1212)
 905 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. (NEW) List each metal individually (NEW)
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A (Chlorinated Pesticides)	Nitrate as N, Total Phosphorus	Analyses Requested						Number of Containers	Special Instructions Conditions on Receipt		
1	SOIL #11		GRAB	5	2/27/14	8:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
2							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: **STEVEN PATTEN** Phone: **541-938-2170** FAX: Email: **steven.patten@wwbwc.org**

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Retinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
STEVEN PATTEN	2/27/14	13:15	UPS	2/27/17		Sample temp _____ C satisfactory <input type="checkbox"/>	
						Samples received intact <input type="checkbox"/>	
						Chain of custody & labels agree <input type="checkbox"/>	



Burlington WA

Corporate Office

1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA

Microbiology

805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR

Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

March 19, 2014

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-03496 - Water Quality Multiple Locations

Dear Mr. Steven Patten,

Your project: Water Quality Multiple Locations, was received on Friday February 28, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08638
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 2/27/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08637
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 2/27/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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D.F. - Dilution Factor.

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

Notes:

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08636
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 2/27/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08635
Field ID: Canal Source
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 2/27/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08638
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08637
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08636
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08635
Field ID: Canal Source
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 2/27/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.12		ug/L	0.1	0.1	0.04	1.00	Confirmed by GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08638
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 2/27/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08637
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 2/27/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08636
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 2/27/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locati

Lab Number: 08635
Field ID: Canal Source
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 2/27/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03496**
Project: Water Quality Multiple Locations

Report Date: 3/19/14
Date Received: 2/28/14
Reviewed by:

Sample Description: Canal Source - Locher Rd.										Sample Date: 2/27/14		
Lab Number: 8635		Sample Comment:								Collected By: Unknown		
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	8.80E-05	mg/L	1.00	245.1	3/3/14	EAF	245.1_140303	
NA	BICARBONATE	35	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
16887-00-6	CHLORIDE	0.9	0.1	0.1	0.01	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
14808-79-8	SULFATE	2.3	0.2	1	0.015	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
16984-48-8	FLUORIDE	ND	0.1	0.1	0.006	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	86	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	11	5	5		Color Units	1.00	SM2120 B	2/28/14	EAF	COLOR_140228	pH:6
NA	SURFACTANTS	ND	0.05	0.05		mg/L	1.00	SM5540 C	2/28/14	MB	AMTEST_140228	Analyzed by Amtest
14797-55-8	NITRATE-N	0.35	0.100	0.100	0.008	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
E-10617	TURBIDITY	4.69	0.10	0.10		NTU	1.00	180.1	2/28/14	EAF	TURB_140228	
NA	CORROSIVITY	-1.90				SI	1.00	SM203	3/14/14	mvp	COR_140314	
E-14506	ALKALINITY	35	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	86	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.40				pH Units	1.00	SM4500-H+ B	3/3/14	MMH	PH_140303	
E-11734	ODOR	2	1	1		TON	1.00	SM2150	2/28/14	EAF	ODOR_140228	Temperature: 40.3
E-14551	Fecal Coliform	NA	1	1		MPN/100ml.00		SM9221 E	2/28/14			
7439-89-6	IRON	0.49	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7439-96-5	MANGANESE	0.008	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7440-39-3	BARIUM	0.0098	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-43-9	CADMIUM	ND	0.001	0.001	4.93E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-47-3	CHROMIUM	ND	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-50-8	COPPER	0.0007 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7439-92-1	LEAD	0.00003	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7782-49-2	SELENIUM	ND	0.005	0.005	3.12E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-22-4	SILVER	ND	0.001	0.001	5.50E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-66-6	ZINC	0.0008 J	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-70-2	CALCIUM	7.5	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	

Notes:

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 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
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 D.F. - Dilution Factor

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Data Report

	E. Coli	16.1	1	1		MPN/100mL.00	SM9223 B.2.b/Coliler 3/1/14	JMM	QT_140228
	TOTAL COLIFORM	260.3	1	1		MPN/100mL.00	SM9223 B.2.b/Coliler 3/1/14	JMM	QT_140228
7723-14-0	TOTAL PHOSPHORUS	0.049	0.010	0.010	0.0061	mg/L 1.00	SM4500-P F/SM450(3/3/14	SPL	TPHOS-140303

Sample Description: GW-70 - Locher Rd.										Sample Date: 2/27/14		
Lab Number: 8636					Sample Comment:					Collected By: Unknown		

CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	8.80E-05	mg/L	1.00	245.1	3/3/14	EAF	245.1_140303	
NA	BICARBONATE	161	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
16887-00-6	CHLORIDE	6	0.1	0.1	0.01	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
14808-79-8	SULFATE	12	0.2	1	0.015	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
16984-48-8	FLUORIDE	ND	0.1	0.1	0.006	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	273	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	ND	5	5		Color Units.00		SM2120 B	2/28/14	EAF	COLOR_140228	pH:7
NA	SURFACTANTS	ND	0.05	0.05		mg/L	1.00	SM5540 C	2/28/14	MB	AMTEST_140228	Analyzed by Amtest
14797-55-8	NITRATE-N	6.72	0.100	0.100	0.008	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
E-10617	TURBIDITY	0.23	0.10	0.10		NTU	1.00	180.1	2/28/14	EAF	TURB_140228	
NA	CORROSIVITY	-0.80				SI	1.00	SM203	3/14/14	mvp	COR_140314	
E-14506	ALKALINITY	161	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	273	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.17				pH Units	1.00	SM4500-H+ B	3/3/14	MMH	PH_140303	
E-11734	ODOR	ND	1	1		TON	1.00	SM2150	2/28/14	EAF	ODOR_140228	Temperature: 40.3
E-14551	Fecal Coliform	NA	1	1		MPN/100mL.00		SM9221 E	2/28/14			
7439-89-6	IRON	0.04 J	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7439-96-5	MANGANESE	0.001 J	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7440-39-3	BARIUM	0.043	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-43-9	CADMIUM	ND	0.001	0.001	4.93E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-47-3	CHROMIUM	ND	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-50-8	COPPER	0.0005 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7439-92-1	LEAD	ND	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7782-49-2	SELENIUM	ND	0.005	0.005	3.12E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-22-4	SILVER	ND	0.001	0.001	5.50E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-66-6	ZINC	ND	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-70-2	CALCIUM	37.8	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
	E. Coli	<1 H1	1	1		MPN/100mL.00		SM9223 B.2.b/Coliler 3/1/14		JMM	QT_140228	
	TOTAL COLIFORM	<1 H1	1	1		MPN/100mL.00		SM9223 B.2.b/Coliler 3/1/14		JMM	QT_140228	
7723-14-0	TOTAL PHOSPHORUS	0.084	0.010	0.010	0.0061	mg/L	1.00	SM4500-P F/SM450(3/3/14		SPL	TPHOS-140303	

Notes:

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 RL = Reporting Limit.
 D.F. - Dilution Factor

Data Report

Sample Description: GW-71 - Locher Rd.									Sample Date: 2/27/14			
Lab Number: 8637			Sample Comment:						Collected By: Unknown			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	8.80E-05	mg/L	1.00	245.1	3/3/14	EAF	245.1_140303	
NA	BICARBONATE	96	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
16887-00-6	CHLORIDE	4.3	0.1	0.1	0.01	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
14808-79-8	SULFATE	11	0.2	1	0.015	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
16984-48-8	FLUORIDE	ND	0.1	0.1	0.006	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	190	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	ND	5	5		Color Units/.00		SM2120 B	2/28/14	EAF	COLOR_140228	pH:6
NA	SURFACTANTS	ND	0.05	0.05		mg/L	1.00	SM5540 C	2/28/14	MB	AMTEST_140228	Analyzed by Amtest
14797-55-8	NITRATE-N	3.45	0.100	0.100	0.008	mg/L	1.00	300.0	2/28/14	BJ	I140228A	
E-10617	TURBIDITY	0.99	0.10	0.10		NTU	1.00	180.1	2/28/14	EAF	TURB_140228	
NA	CORROSIVITY	-1.26				SI	1.00	SM203	3/14/14	mvp	COR_140314	
E-14506	ALKALINITY	96	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	190	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.12				pH Units	1.00	SM4500-H+ B	3/3/14	MMH	PH_140303	
E-11734	ODOR	ND	1	1		TON	1.00	SM2150	2/28/14	EAF	ODOR_140228	Temperature: 40.3
E-14551	Fecal Coliform	NA	1	1		MPN/100ml.00		SM9221 E	2/28/14			
7439-89-6	IRON	0.04 J	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7439-96-5	MANGANESE	0.001 J	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7440-39-3	BARIUM	0.028	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-43-9	CADMIUM	ND	0.001	0.001	4.93E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-47-3	CHROMIUM	ND	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-50-8	COPPER	0.0006 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7439-92-1	LEAD	ND	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7782-49-2	SELENIUM	ND	0.005	0.005	3.12E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-22-4	SILVER	ND	0.001	0.001	5.50E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-66-6	ZINC	ND	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-70-2	CALCIUM	24.0	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
	E. Coli	<1 H1	1	1		MPN/100ml.00		SM9223 B.2.b/Coliler	3/1/14	JMM	QT_140228	
	TOTAL COLIFORM	5.2 H1	1	1		MPN/100ml.00		SM9223 B.2.b/Coliler	3/1/14	JMM	QT_140228	
7723-14-0	TOTAL PHOSPHORUS	0.102	0.010	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/3/14	SPL	TPHOS-140303	

Sample Description: GW-72 - Locher Rd. Sample Date: 2/27/14
 Lab Number: 8638 Sample Comment: Collected By: Unknown

CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	8.80E-05	mg/L	1.00	245.1	3/3/14	EAF	245.1_140303	
NA	BICARBONATE	70	1.00	1.00		mg CaCO3/L.00		SM2320 B	3/11/14	SRF	ALK_140311	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. - Dilution Factor

Data Report

NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L.00	SM2320 B	3/11/14	SRF	ALK_140311
16887-00-6	CHLORIDE	2.4	0.1	0.1	0.01	mg/L	1.00 300.0	2/28/14	BJ	I140228A
14808-79-8	SULFATE	6.6	0.2	1	0.015	mg/L	1.00 300.0	2/28/14	BJ	I140228A
16984-48-8	FLUORIDE	ND	0.1	0.1	0.006	mg/L	1.00 300.0	2/28/14	BJ	I140228A
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	147	10	10		mg/L	1.00 SM2540 C	3/3/14	SRF	TDS_140303
E-11712	COLOR	ND	5	5		Color Units/l.00	SM2120 B	2/28/14	EAF	COLOR_140228 pH:6
NA	SURFACTANTS	ND	0.05	0.05		mg/L	1.00 SM5540 C	2/28/14	MB	AMTEST_140228 Analyzed by Amtest
14797-55-8	NITRATE-N	3.23	0.100	0.100	0.008	mg/L	1.00 300.0	2/28/14	BJ	I140228A
E-10617	TURBIDITY	0.78	0.10	0.10		NTU	1.00 180.1	2/28/14	EAF	TURB_140228
NA	CORROSIVITY	-1.40				SI	1.00 SM203	3/14/14	mvp	COR_140314
E-14506	ALKALINITY	70	1.00	1.00		mg CaCO3/L.00	SM2320 B	3/11/14	SRF	ALK_140311
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	147	10	10		mg/L	1.00 SM2540 C	3/3/14	SRF	TDS_140303
E-10139	HYDROGEN ION (pH)	7.24				pH Units	1.00 SM4500-H+ B	3/3/14	MMH	PH_140303
E-11734	ODOR	ND	1	1		TON	1.00 SM2150	2/28/14	EAF	ODOR_140228 Temperature: 40.3
E-14551	Fecal Coliform	NA	1	1		MPN/100ml.00	SM9221 E	2/28/14		
7439-89-6	IRON	0.05	0.050	0.050	0.0013	mg/L	1.00 200.7/3010A	3/5/14	BJ	200.7-140305D
7439-96-5	MANGANESE	0.002 J	0.005	0.005	0.0001	mg/L	1.00 200.7/3010A	3/5/14	BJ	200.7-140305D
7440-39-3	BARIUM	0.018	0.001	0.001	1.55E-05	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7440-43-9	CADMIUM	ND	0.001	0.001	4.93E-06	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7440-47-3	CHROMIUM	ND	0.001	0.001	3.52E-05	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7440-50-8	COPPER	0.0006 J	0.002	0.002	2.32E-05	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7439-92-1	LEAD	ND	0.0005	0.0005	1.27E-05	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7782-49-2	SELENIUM	ND	0.005	0.005	3.12E-05	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7440-22-4	SILVER	ND	0.001	0.001	5.50E-06	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7440-66-6	ZINC	ND	0.0025	0.0025	4.25E-05	mg/L	1.00 200.8/3010A	3/6/14	MVP	200.8_140306WW
7440-70-2	CALCIUM	17.5	0.5	0.5	0.007	mg/L	1.00 200.7/3010A	3/5/14	BJ	200.7-140305D
	E. Coli	<1 H1	1	1		MPN/100ml.00	SM9223 B.2.b/Coliler	3/1/14	JMM	QT_140228
	TOTAL COLIFORM	<1 H1	1	1		MPN/100ml.00	SM9223 B.2.b/Coliler	3/1/14	JMM	QT_140228
7723-14-0	TOTAL PHOSPHORUS	0.091	0.010	0.010	0.0061	mg/L	1.00 SM4500-P F/SM4500	3/3/14	SPL	TPHOS-140303

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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 RL = Reporting Limit.
 D.F. - Dilution Factor



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03496
Report Date: 03/19/14

Batch	Analyte	True				%		QC		Comment
		Result	Value	Units	Method	Recovery	Limits*	Qualifier Type*		
200.7-140305D	CALCIUM	25.1	26	mg/L	200.7	97	85-115	LFB		
	IRON	0.96	1	mg/L	200.7	96	85-115			
	MANGANESE	0.96	1	mg/L	200.7	96	85-115			
200.8_140306WW	BARIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB		
	CADMIUM	0.039	0.040	mg/L	200.8	98	85-115			
	CHROMIUM	0.039	0.040	mg/L	200.8	98	85-115			
	COPPER	0.041	0.040	mg/L	200.8	103	85-115			
	LEAD	0.040	0.040	mg/L	200.8	100	85-115			
	SELENIUM	0.038	0.040	mg/L	200.8	95	85-115			
	SILVER	0.039	0.040	mg/L	200.8	98	85-115			
	ZINC	0.039	0.040	mg/L	200.8	98	85-115			
200.8_140306WW	BARIUM	0.0021	0.002	mg/L	200.8	105	85-115	LFB		
	CADMIUM	0.0019	0.002	mg/L	200.8	95	85-115			
	CHROMIUM	0.0022	0.002	mg/L	200.8	110	85-115			
	COPPER	0.0019	0.002	mg/L	200.8	95	85-115			
	LEAD	0.002	0.002	mg/L	200.8	100	85-115			
	SELENIUM	0.0018	0.002	mg/L	200.8	90	85-115			
	SILVER	0.0021	0.002	mg/L	200.8	105	85-115			
	ZINC	0.0018	0.002	mg/L	200.8	90	85-115			
245.1_140303	MERCURY	0.00181	0.00167	mg/L	245.1	108	85-115	LFB		
8081A_140303	4,4' - DDD	0.54	0.5	ug/L	8081A	108	78-132	LFB		
	4,4' - DDE	0.52	0.5	ug/L	8081A	104	73-127			
	4,4' - DDT	0.57	0.5	ug/L	8081A	114	56-158			
	ALDRIN	0.5	0.5	ug/L	8081A	100	68-128			
	ALPHA-CHLORDANE	0.51	0.5	ug/L	8081A	102	70-130			
	BHC, ALPHA -	0.49	0.5	ug/L	8081A	98	37-134			
	BHC, BETA -	0.54	0.5	ug/L	8081A	108	17-147			
	BHC, DELTA -	0.54	0.5	ug/L	8081A	108	32-127			
	DIELDRIN	0.53	0.5	ug/L	8081A	106	74-134			

*Notation:
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 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03496
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8081A_140303	ENDOSULFAN I	0.43	0.5	ug/L	8081A	86	67-133		LFB	
	ENDOSULFAN II	0.51	0.5	ug/L	8081A	102	64-142			
	ENDOSULFAN SULFATE	0.54	0.5	ug/L	8081A	108	71-143			
	ENDRIN	0.47	0.5	ug/L	8081A	94	30-147			
	ENDRIN ALDEHYDE	0.36	0.5	ug/L	8081A	72	78-110			
	ENDRIN KETONE	0.52	0.5	ug/L	8081A	104	70-130			
	GAMMA-CHLORDANE	0.52	0.5	ug/L	8081A	104	74-124			
	HEPTACHLOR	0.5	0.5	ug/L	8081A	100	61-133			
	HEPTACHLOR EPOXIDE "B"	0.5	0.5	ug/L	8081A	100	73-127			
	LINDANE (BHC - GAMMA)	0.53	0.5	ug/L	8081A	106	17-140			
	METHOXYCHLOR	0.63	0.5	ug/L	8081A	126	41-157			
	DECACHLOROBIPHENYL (Surr)	139		%	8081A		58-132			
	TETRACHLORO-M-XYLENE (Surr)	112		%	8081A		67-115			
	8151W_140303	PICLORAM	0.82	2.22	ug/L	8151A	37	48-114	LR	LFB
3,5 - DICHLOROBENZOIC ACID		1.6	2.22	ug/L	8151A	72	70-130			
BENTAZON		4.04	4.44	ug/L	8151A	91	67-121			
TOTAL DCPA		1.94	2.22	ug/L	8151A	87	48-168			
2,4 - D		2.92	4.44	ug/L	8151A	66	60-120			
2,4 DB		13.4	17.8	ug/L	8151A	75	49-134			
2,4,5 - TP (SILVEX)		1.82	2.22	ug/L	8151A	82	68-122			
2,4,5 T		1.75	2.22	ug/L	8151A	79	62-128			
DALAPON		26	28.9	ug/L	8151A	90	53-142			
DICAMBA		1.81	2.22	ug/L	8151A	82	66-126			
DICHLORPROP		4.8	6.66	ug/L	8151A	72	63-123			
DINOSEB		3.54	4.44	ug/L	8151A	80	73-127			
MCPA		1.27	2.22	ug/L	8151A	57	49-121			
MCPP		1.44	2.22	ug/L	8151A	65	48-126			
PENTACHLOROPHENOL		2.14	2.22	ug/L	8151A	96	69-123			
ACIFLUORFEN		1.99	2.22	ug/L	8151A	90	65-125			
TRICLOPYR		1.56	2.22	ug/L	8151A	70	70-130			
2,4 - DCAA (Surr)	77		%	8151A		61-129				
8260W_140310	1,1 - DICHLOROETHANE	4.5	4	ug/L	8260B	113	70-130		LFB	

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140310	1,1 - DICHLOROETHYLENE	4.1	4	ug/L	8260B	103	70-130	LFB	
	1,1 - DICHLOROPROPENE	4.3	4	ug/L	8260B	108	70-130		
	1,1,1 - TRICHLOROETHANE	4.5	4	ug/L	8260B	113	70-130		
	1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	70-130		
	1,1,2 - TRICHLOROETHANE	3.7	4	ug/L	8260B	93	70-130		
	1,1,2,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	70-130		
	1,2 - DICHLOROBENZENE (ortho)	3.8	4	ug/L	8260B	95	70-130		
	1,2 - DICHLOROETHANE	4.3	4	ug/L	8260B	108	70-130		
	1,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	70-130		
	1,2,3 - TRICHLOROBENZENE	3.9	4	ug/L	8260B	98	70-130		
	1,2,3 - TRICHLOROPROPANE	3.9	4	ug/L	8260B	98	70-130		
	1,2,4 - TRICHLOROBENZENE	3.1	4	ug/L	8260B	78	70-130	LR	
	1,2,4 - TRIMETHYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	1,2-DIBROMO-3-CHLOROPROPANE	3.9	4	ug/L	8260B	98	70-130		
	1,3 - DICHLOROBENZENE (meta)	3.7	4	ug/L	8260B	93	70-130		
	1,3 - DICHLOROPROPANE	3.7	4	ug/L	8260B	93	70-130		
	1,3,5 - TRIMETHYLBENZENE	4.2	4	ug/L	8260B	105	70-130		
	1,4 - DICHLOROBENZENE (para)	3.8	4	ug/L	8260B	95	70-130		
	2,2 - DICHLOROPROPANE	4.6	4	ug/L	8260B	115	70-130		
	BENZENE	4.1	4	ug/L	8260B	103	70-130		
	BROMOBENZENE	3.6	4	ug/L	8260B	90	70-130		
	BROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	70-130		
	BROMODICHLOROMETHANE	4.2	4	ug/L	8260B	105	70-130		
	BROMOFORM	3.6	4	ug/L	8260B	90	70-130		
	BROMOMETHANE	4.1	4	ug/L	8260B	103	70-130		
	CARBON TETRACHLORIDE	4.5	4	ug/L	8260B	113	70-130		
	CHLOROBENZENE	3.7	4	ug/L	8260B	93	70-130		
	CHLOROETHANE	4.3	4	ug/L	8260B	108	70-130		
	CHLOROFORM	4.4	4	ug/L	8260B	110	70-130		
	CHLOROMETHANE	3.9	4	ug/L	8260B	98	70-130		
	CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	70-130		
	CIS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	70-130		
	DIBROMOCHLOROMETHANE	3.7	4	ug/L	8260B	93	70-130		
	DIBROMOMETHANE	3.7	4	ug/L	8260B	93	70-130		
	DICHLORODIFLUOROMETHANE	3.4	4	ug/L	8260B	85	70-130		
	ETHYLBENZENE	4.0	4	ug/L	8260B	100	70-130		

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140310	HEXACHLOROBUTADIENE	4.0	4	ug/L	8260B	100	70-130	LFB	
	ISOPROPYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	M,P- XYLENE	7.9	8	ug/L	8260B	99	70-130		
	METHYL TERT-BUTYL ETHER	3.8	4	ug/L	8260B	95	70-130		
	METHYLENE CHLORIDE	4.1	4	ug/L	8260B	103	70-130		
	N - BUTYLBENZENE	3.5	4	ug/L	8260B	88	70-130		
	N - PROPYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	NAPHTHALENE	3.7	4	ug/L	8260B	93	70-130		
	O - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	70-130		
	O - XYLENE	3.8	4	ug/L	8260B	95	70-130		
	P - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	70-130		
	P - ISOPROPYLTOLUENE	4.0	4	ug/L	8260B	100	70-130		
	SEC - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	STYRENE	3.5	4	ug/L	8260B	88	70-130		
	TERT - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	TETRACHLOROETHYLENE	3.9	4	ug/L	8260B	98	70-130		
	TOLUENE	4.1	4	ug/L	8260B	103	70-130		
	TRANS - 1,2 - DICHLOROETHENE	4.2	4	ug/L	8260B	105	70-130		
	TRANS - 1,3 - DICHLOROPROPENE	3.8	4	ug/L	8260B	95	70-130		
	TRICHLOROETHENE	4.2	4	ug/L	8260B	105	70-130		
TRICHLOROFLUOROMETHANE	4.8	4	ug/L	8260B	120	70-130	AH		
VINYL CHLORIDE	4.1	4	ug/L	8260B	103	70-130			
1,2 - DICHLOROETHANE-d4 (Surr)	117	100	ug/L	8260B	117	70-130			
1,4 - DIFLUOROBENZENE-d4 (Surr)	99	100	ug/L	8260B	99	70-130			
4-BROMOFLUOROBENZENE (Surr)	108	100	ug/L	8260B	108	70-130			
d8-TOLUENE (Surr)	101	100	ug/L	8260B	101				
ALK_140311	ALKALINITY	95.7	100	mg CaCO3/ISM2320 B		96	70-130	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True			% Recovery		QC		Comment
			Value	Units	Method	Recovery	Limits*	Qualifier Type*		
8081A_140303	4,4' - DDD	0.046	0.05	ug/L	8081A	92	78-132	LFBD		
	4,4' - DDE	0.055	0.05	ug/L	8081A	110	73-127			
	4,4' - DDT	0.045	0.05	ug/L	8081A	90	56-158			
	ALDRIN	0.046	0.05	ug/L	8081A	92	68-128			
	ALPHA-CHLORDANE	0.045	0.05	ug/L	8081A	90	70-130			
	BHC, ALPHA -	0.044	0.05	ug/L	8081A	88	37-134			
	BHC, BETA -	0.04	0.05	ug/L	8081A	80	17-147			
	BHC, DELTA -	0.038	0.05	ug/L	8081A	76	32-127			
	DIELDRIN	0.044	0.05	ug/L	8081A	88	74-134			
	ENDOSULFAN I	0.059	0.05	ug/L	8081A	118	67-133			
	ENDOSULFAN II	0.061	0.05	ug/L	8081A	122	64-142			
	ENDOSULFAN SULFATE	0.057	0.05	ug/L	8081A	114	71-143			
	ENDRIN	0.047	0.05	ug/L	8081A	94	30-147			
	ENDRIN ALDEHYDE	0.052	0.05	ug/L	8081A	104	78-110			
	ENDRIN KETONE	0.056	0.05	ug/L	8081A	112	70-130			
	GAMMA-CHLORDANE	0.052	0.05	ug/L	8081A	104	74-124			
	HEPTACHLOR	0.038	0.05	ug/L	8081A	76	61-133			
	HEPTACHLOR EPOXIDE "B"	0.057	0.05	ug/L	8081A	114	73-127			
	LINDANE (BHC - GAMMA)	0.037	0.05	ug/L	8081A	74	17-140			
	METHOXYCHLOR	0.054	0.05	ug/L	8081A	108	41-157			
DECACHLOROBIPHENYL (Surr)	115		%	8081A		58-132				
TETRACHLORO-M-XYLENE (Surr)	95		%	8081A		67-115				

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FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140305D	CALCIUM	ND		mg/L	200.7		0.00000		LRB
	IRON	ND		mg/L	200.7		0.02500		
	MANGANESE	ND		mg/L	200.7		0.00250		
200.8_140306WW	BARIUM	ND		mg/L	200.8		0.00050		LRB
	CADMIUM	ND		mg/L	200.8		0.00050		
	CHROMIUM	ND		mg/L	200.8		0.00250		
	COPPER	ND		mg/L	200.8		0.00250		
	LEAD	ND		mg/L	200.8		0.00050		
	SELENIUM	ND		mg/L	200.8		0.00250		
	SILVER	ND		mg/L	200.8		0.00050		
	ZINC	ND		mg/L	200.8		0.00250		
245.1_140303	MERCURY	ND		mg/L	245.1		0.00010		LRB
ALK_140311	ALKALINITY	ND		mg CaCO3/ISM2320 B			0.00000		LRB
color_140228	COLOR	ND		CU	SM2120 B		5.00000		LRB
I140228A	FLUORIDE	ND		mg/L	300.0		0.01000		LRB
	NITRATE-N	ND		mg/L	300.0		0.10000		
	CHLORIDE	ND		mg/L	300.0		0.10000		
	SULFATE	ND		mg/L	300.0		0.10000		
TPHOS-140303	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.01000		LRB
turb_140228	TURBIDITY	ND		NTU	180.1		0.02000		LRB

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FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type*	Comment
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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03496
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140305D	CALCIUM	ND		mg/L	200.7	0.00000		MB		
	IRON	ND		mg/L	200.7	0.02500				
	MANGANESE	ND		mg/L	200.7	0.00250				
200.8_140306WW	BARIUM	ND		mg/L	200.8	0.00050		MB		
	CADMIUM	ND		mg/L	200.8	0.00050				
	CHROMIUM	ND		mg/L	200.8	0.00250				
	COPPER	ND		mg/L	200.8	0.00250				
	LEAD	ND		mg/L	200.8	0.00050				
	SELENIUM	ND		mg/L	200.8	0.00250				
	SILVER	ND		mg/L	200.8	0.00050				
	ZINC	ND		mg/L	200.8	0.00250				
8081A_140303	4,4' - DDD	ND		ug/L	8081A	0.02000		MB		
	4,4' - DDE	ND		ug/L	8081A	0.02000				
	4,4' - DDT	ND		ug/L	8081A	0.02000				
	ALDRIN	ND		ug/L	8081A	0.02000				
	ALPHA-CHLORDANE	ND		ug/L	8081A	0.02000				
	BHC, ALPHA -	ND		ug/L	8081A	0.02000				
	BHC, BETA -	ND		ug/L	8081A	0.02000				
	BHC, DELTA -	ND		ug/L	8081A	0.02000				
	DIELDRIN	ND		ug/L	8081A	0.02000				
	ENDOSULFAN I	ND		ug/L	8081A	0.02000				
	ENDOSULFAN II	ND		ug/L	8081A	0.02000				
	ENDOSULFAN SULFATE	ND		ug/L	8081A	0.02000				
	ENDRIN	ND		ug/L	8081A	0.02000				
	ENDRIN ALDEHYDE	ND		ug/L	8081A	0.02000				
	ENDRIN KETONE	ND		ug/L	8081A	0.02000				
	GAMMA-CHLORDANE	ND		ug/L	8081A	0.02000				
	HEPTACHLOR	ND		ug/L	8081A	0.02000				
	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A	0.02000				
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A	0.02000				
	METHOXYCHLOR	ND		ug/L	8081A	0.02000				
TOXAPHENE	ND		ug/L	8081A	0.02000					

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8081A_140303	DECACHLOROBIPHENYL (Surr)	117		%	8081A				
	TETRACHLORO-M-XYLENE (Surr)	101		%	8081A				
8151W_140303	PICLORAM	ND		ug/L	8151A	0.07000		MB	
	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	8151A	0.20000			
	BENTAZON	ND		ug/L	8151A	0.20000			
	TOTAL DCPA	ND		ug/L	8151A	0.03000			
	2,4 - D	ND		ug/L	8151A	0.03000			
	2,4 DB	ND		ug/L	8151A	0.30000			
	2,4,5 - TP (SILVEX)	ND		ug/L	8151A	0.03000			
	2,4,5 T	ND		ug/L	8151A	0.03000			
	DALAPON	ND		ug/L	8151A	0.40000			
	DICAMBA	ND		ug/L	8151A	0.03000			
	DICHLORPROP	ND		ug/L	8151A	0.03000			
	DINOSEB	ND		ug/L	8151A	0.03000			
	MCPA	ND		ug/L	8151A	0.03000			
	MCPP	ND		ug/L	8151A	0.03000			
	PENTACHLOROPHENOL	ND		ug/L	8151A	0.03000			
	ACIFLUORFEN	ND		ug/L	8151A	0.03000			
	TRICLOPYR	ND		ug/L	8151A	0.03000			
2,4 - DCAA (SURR)	84		%	8151A	0.00000				
8260W_140310	1,1 - DICHLOROETHANE	ND		ug/L	8260B	0.12000		MB	TB 14-03181
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2 - DICHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B	0.12000			TB 14-03181

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8260W_140310	1,2,4 - TRICHLORO BENZENE	ND		ug/L	8260B	0.12000	0.12000	MB		TB 14-03181
	1,2,4 - TRIMETHYL BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,3 - DICHLORO BENZENE (meta)	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,3,5 - TRIMETHYL BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,4 - DICHLORO BENZENE (para)	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMO BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMODICHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOFORM	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CARBON TETRACHLORIDE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLORO BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLOROETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLOROFORM	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	DIBROMOMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	ETHYL BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	HEXACHLORO BUTADIENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	ISOPROPYL BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	M,P- XYLENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0.25000	0.25000			TB 14-03181
	METHYLENE CHLORIDE	ND		ug/L	8260B	0.50000	0.50000			TB 14-03181
	N - BUTYL BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	N - PROPYL BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	NAPHTHALENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
O - CHLOROTOLUENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181	
O - XYLENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181	
P - CHLOROTOLUENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181	

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03496

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8260W_140310	P - ISOPROPYL TOLUENE	ND		ug/L	8260B	0.12000	0.12000	MB	TB 14-03181	
	SEC - BUTYLBENZENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	STYRENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TERT - BUTYLBENZENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TETRACHLOROETHYLENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TOLUENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRICHLOROETHENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	VINYL CHLORIDE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	1,2 - DICHLOROETHANE-d4 (Surr)	116		%	8260B				TB 14-03181	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	99		%	8260B				TB 14-03181	
4-BROMOFLUOROBENZENE (Surr)	103		%	8260B				TB 14-03181		
d8-TOLUENE (Surr)	101		%	8260B				TB 14-03181		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
TPHOS-140303	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0.02000		MB		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-03496
Report Date: 03/19/14

Batch	Analyte	Result	True			Method	%		QC	
			Value	Units			Recovery	Limits*	Qualifier Type*	Comment
200.7-140305D	IRON	1.03	1	mg/L	200.7	103	85-115	QCS		
	MANGANESE	1.02	1	mg/L	200.7	102	85-115			
200.7-140305D	CALCIUM	20.3	20	mg/L	200.7	102	85-115	QCS		
200.8_140306WW	BARIUM	0.038	0.040	mg/L	200.8	95	85-115	QCS		
	CADMIUM	0.038	0.040	mg/L	200.8	95	85-115			
	CHROMIUM	0.037	0.040	mg/L	200.8	93	85-115			
	COPPER	0.039	0.040	mg/L	200.8	98	85-115			
	LEAD	0.038	0.040	mg/L	200.8	95	85-115			
	SELENIUM	0.038	0.040	mg/L	200.8	95	85-115			
	SILVER	0.039	0.040	mg/L	200.8	98	85-115			
	ZINC	0.038	0.040	mg/L	200.8	95	85-115			
245.1_140303	MERCURY	0.00218	0.00200	mg/L	245.1	109	85-115	QCS		
8081A_140303	4,4' - DDD	0.26	0.24	ug/L	8081A	108	78-132	QCS		
	4,4' - DDE	0.26	0.27	ug/L	8081A	96	73-127			
	4,4' - DDT	0.22	0.21	ug/L	8081A	105	56-158			
	ALDRIN	1.36	1.32	ug/L	8081A	103	68-128			
	ALPHA-CHLORDANE	0.58	0.73	ug/L	8081A	79	70-130			
	BHC, ALPHA -	0.88	0.88	ug/L	8081A	100	37-134			
	BHC, BETA -	0.34	0.34	ug/L	8081A	100	17-147			
	BHC, DELTA -	0.38	0.36	ug/L	8081A	106	32-127			
	DIELDRIN	1.35	1.25	ug/L	8081A	108	74-134			
	ENDOSULFAN I	1.19	1.02	ug/L	8081A	117	67-133			
	ENDOSULFAN II	1.44	1.12	ug/L	8081A	129	64-142			
	ENDOSULFAN SULFATE	1.55	1.5	ug/L	8081A	103	71-143			
	ENDRIN	0.29	0.27	ug/L	8081A	107	30-147			
	ENDRIN ALDEHYDE	0.28	1	ug/L	8081A	28	78-110	EC		
	ENDRIN KETONE	0.99	0.84	ug/L	8081A	118	70-130			
	GAMMA-CHLORDANE	0.26	0.23	ug/L	8081A	113	74-124			
HEPTACHLOR	0.6	0.58	ug/L	8081A	103	61-133				

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-03496
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
8081A_140303	HEPTACHLOR EPOXIDE "B"	0.48	0.38	ug/L	8081A	126	73-127	QCS	
	LINDANE (BHC - GAMMA)	1.04	1	ug/L	8081A	104	17-140		
	METHOXYCHLOR	0.87	0.69	ug/L	8081A	126	41-157		
	DECACHLOROBIPHENYL (Surr)	115		%	8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	93		%	8081A		67-115		
ALK_140311	ALKALINITY	142	134	mg CaCO3/ISM2320 B		106	70-130	QCS	
color_140228	COLOR	10	10	CU	SM2120 B	100	80-120	QCS	
I140228A	FLUORIDE	2.43	2.50	mg/L	300.0	97	90-110	QCS	
	NITRATE-N	2.45	2.50	mg/L	300.0	98	80-120		
	CHLORIDE	29.1	30.00	mg/L	300.0	97	80-120		
	SULFATE	29.9	30.00	mg/L	300.0	100	80-120		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	80-120		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120		
TPHOS-140303	TOTAL PHOSPHORUS	0.106	0.105	mg/L	SM4500-P F	101	70-130	QCS	
turb_140228	TURBIDITY	1.04	1.00	NTU	180.1	104	70-130	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



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 Bellingham WA Microbiology 805 Orchard Dr Ste 4 - 98225 360.671.0688
 Portland OR Microbiology/Chemistry 9150 SW Pioneer Ct Ste W- 97070 503.682.7802



**SAMPLE DEPENDENT
 QUALITY CONTROL REPORT**
 Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-03496
 Report Date: 3/19/2014

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
200.7-140305D										
	8635	MANGANESE	0.008	0.007	mg/L	13.3	0-20			DUP
	8635	IRON	0.49	0.49	mg/L	0.0	0-20			DUP
	8635	CALCIUM	7.5	7.6	mg/L	1.3	0-20			DUP
200.8_140306WW										
	8635	COPPER	0.0007	0.0008	mg/L	13.3	0-50			DUP
	8635	ZINC	0.0008	0.001	mg/L	22.2	0-50	IEV		DUP
	8635	BARIUM	0.0098	0.0099	mg/L	1.0	0-20			DUP
	8635	LEAD	0.00003	0.00004	mg/L	28.6	0-20	IEV		DUP
245.1_140303										
8081A_140303										
	8635	DECACHLOROBIPHENYL (Surr)	98	102	%	4.0	0-35			DUP
	8635	TETRACHLORO-M-XYLENE (Surr)	89	97	%	8.6	0-35			DUP
COLOR_140228										
I140228A										
	8635	CHLORIDE	0.9	0.9	mg/L	0.0	0-45			DUP
	8635	SULFATE	2.3	2.3	mg/L	0.0	0-45			DUP
	8635	NITRATE-N	0.35	0.34	mg/L	2.9	0-45			DUP
ODOR_140228										
	8635	ODOR	2	2.25	TON	11.8	0-45			DUP
PH_140303										
	8638	HYDROGEN ION (pH)	7.24	7.26	pH Units	0.3	0-50			DUP
TDS_140303										
	8636	TOTAL DISSOLVED SOLIDS (TDS)	273	263	mg/L	3.7	0-50			DUP
	8636	TOTAL DISSOLVED SOLIDS (TDS)	273	263	mg/L	3.7	0-45			DUP
TPHOS-140303										

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
TURB_140228	8638	TOTAL PHOSPHORUS	0.091	0.096	mg/L	5.3	0-50		DUP	
	8638	TURBIDITY	0.78	0.84	NTU	7.4	0-50		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

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FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc			MS	MSD				Qualifier	Type	
200.7-140305D															
	8635	MANGANESE	0.008	0.058		0.050	mg/L	100		70-130	NA	0-50			LFM
	8635	IRON	0.49	0.53		0.050	mg/L	80		70-130	NA	0-50			LFM
200.8_140306WW															
	8635	CHROMIUM	ND	0.051		0.050	mg/L	102		70-130	NA	0-50			LFM
	8635	COPPER	0.0007	0.052		0.050	mg/L	103		70-130	NA	0-50			LFM
	8635	ZINC	0.0008	0.046		0.050	mg/L	90		70-130	NA	0-50			LFM
	8635	SELENIUM	ND	0.042		0.050	mg/L	84		70-130	NA	0-50			LFM
	8635	SILVER	ND	0.053		0.050	mg/L	106		70-130	NA	0-50			LFM
	8635	CADMIUM	ND	0.047		0.050	mg/L	94		70-130	NA	0-50			LFM
	8635	BARIUM	0.0098	0.058		0.050	mg/L	96		70-130	NA	0-50			LFM
	8635	LEAD	0.00003	0.049		0.050	mg/L	98		70-130	NA	0-50			LFM
245.1_140303															
	8638	MERCURY	ND	0.00182	0.00184	0.00167	mg/L	109	110	70-130	1.1	0-50			LFM
8151W_140303															
	8638	PICLORAM	ND	0.80		2.3	ug/L	35	NA	48-114	NA	0-30	LR		LFM
	8638	3,5 - DICHLOROBENZOIC ACID	ND	1.64		2.3	ug/L	71	NA	70-130	NA	0-30			LFM
	8638	BENTAZON	ND	3.98		4.5	ug/L	88	NA	67-121	NA	0-30			LFM
	8638	TOTAL DCPA	ND	2		2.3	ug/L	87	NA	48-168	NA	0-30			LFM
	8638	DALAPON	ND	24.8		29.5	ug/L	84	NA	53-142	NA	0-30			LFM
	8638	2,4 DB	ND	14.1		18.2	ug/L	77	NA	49-134	NA	0-30			LFM
	8638	DINOSEB	ND	3.46		4.5	ug/L	77	NA	73-127	NA	0-30			LFM
	8638	DICAMBA	ND	1.86		2.3	ug/L	81	NA	66-126	NA	0-30			LFM
	8638	DICHLORPROP	ND	5.25		6.8	ug/L	77	NA	63-123	NA	0-30			LFM
	8638	2,4 - D	ND	3.08		4.5	ug/L	68	NA	60-120	NA	0-30			LFM
	8638	PENTACHLOROPHENOL	ND	1.97		2.3	ug/L	86	NA	69-123	NA	0-30			LFM
	8638	2,4,5 - TP (SILVEX)	ND	1.9		2.3	ug/L	83	NA	68-122	NA	0-30			LFM
	8638	2,4,5 T	ND	1.78		2.3	ug/L	77	NA	62-128	NA	0-30			LFM
	8638	MCPA	ND	1.70		2.3	ug/L	74	NA	49-121	NA	0-30			LFM
	8638	MCPP	ND	1.73		2.3	ug/L	75	NA	48-126	NA	0-30			LFM
	8638	ACIFLUORFEN	ND	1.69		2.3	ug/L	73	NA	65-125	NA	0-30			LFM
	8638	TRICLOPYR	ND	1.61		2.3	ug/L	70	NA	65-135	NA	0-30			LFM
	8638	2,4 - DCAA (SURR)	80	84			%	NA	NA	61-129	NA	0-30			LFM
I140228A															
	8635	CHLORIDE	0.9	2		1.00	mg/L	110	NA	80-120	NA	0-60			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		
				Spike Result	Spike Conc		MS	MSD				Qualifier	Type	Comments
	8635	SULFATE	2.3	4.1	2.00	mg/L	90	NA	80-120	NA	0-60		LFM	
	8635	FLUORIDE	ND	1.02	1.00	mg/L	102	NA	90-110	NA	0-20		LFM	
	8635	NITRATE-N	0.35	1.37	1.00	mg/L	102	NA	80-120	NA	0-60		LFM	
TPHOS-140303														
	8638	TOTAL PHOSPHORUS	0.091	0.155	0.148	0.050	mg/L	128	114	70-130	11.6	0-50		LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 14-03496
Report Date: 03/19/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081A_140303 8635	DECACHLOROBIPHENYL (Surr)	98		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	89		%		Acceptance Limits 67-115%
8151W_140303 8635	2,4 - DCAA (Surr)	82		%	8151A	Acceptance Range 61-129%
8260W_140310 8635	1,2 - DICHLOROETHANE-d4 (Surr)	118		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	98		%		
	4-BROMOFLUOROBENZENE (Surr)	101		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	99		%		Acceptance Range is 70-130%
8081A_140303 8636	DECACHLOROBIPHENYL (Surr)	107		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	95		%		Acceptance Limits 67-115%
8151W_140303 8636	2,4 - DCAA (Surr)	93		%	8151A	Acceptance Range 61-129%
8260W_140310 8636	1,2 - DICHLOROETHANE-d4 (Surr)	117		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	100		%		
	4-BROMOFLUOROBENZENE (Surr)	99		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	100		%		Acceptance Range is 70-130%
8081A_140303 8637	DECACHLOROBIPHENYL (Surr)	105		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	95		%		Acceptance Limits 67-115%
8151W_140303 8637	2,4 - DCAA (Surr)	88		%	8151A	Acceptance Range 61-129%
8260W_140310 8637	1,2 - DICHLOROETHANE-d4 (Surr)	118		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	99		%		
	4-BROMOFLUOROBENZENE (Surr)	99		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	100		%		Acceptance Range is 70-130%
8081A_140303 8638	DECACHLOROBIPHENYL (Surr)	114		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	99		%		Acceptance Limits 67-115%
8151W_140303 8638	2,4 - DCAA (Surr)	80		%	8151A	Acceptance Range 61-129%
8260W_140310 8638	1,2 - DICHLOROETHANE-d4 (Surr)	118		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	100		%		
	4-BROMOFLUOROBENZENE (Surr)	100		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	98		%		Acceptance Range is 70-130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-03496

Report Date: 03/19/14

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
EC	This compound is subject to erratic chromatographic behavior.
H1	Sample analysis performed past holding time.
HQ	High QCS recovery due to increased detector response of the sample extract. The continuing calibration checks are within acceptance limits.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03496**

Date: March 20, 2014

Project: Water Quality Multiple Locations

Date Received: February 28, 2014

Attn: Steven Patton

Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	8635.00	Canal Source	Locher Rd.	Pesticides in Water	\$182.00
2	8635.01	Canal Source	Locher Rd.	Chlorinated Herbicides	\$231.00
3	8635.02	Canal Source	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
4	8635.03	Canal Source	Locher Rd.	Total Metals in Water	\$168.00
5	8635.04	Canal Source	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
6	8635.05	Canal Source	Locher Rd.	Chloride	\$21.00
7	8635.06	Canal Source	Locher Rd.	Sulfate	\$20.00
8	8635.07	Canal Source	Locher Rd.	Fluoride	\$21.00
9	8635.08	Canal Source	Locher Rd.	Total Dissolved Solids	\$20.00
10	8635.09	Canal Source	Locher Rd.	Color	\$19.00
11	8635.10	Canal Source	Locher Rd.	Surfactants	\$70.00
12	8635.11	Canal Source	Locher Rd.	Nitrate-N	\$21.00
13	8635.12	Canal Source	Locher Rd.	Turbidity	\$15.00
14	8635.13	Canal Source	Locher Rd.	Corrosivity	\$53.00
15	8635.14	Canal Source	Locher Rd.	ODOR	\$21.00
16	8635.15	Canal Source	Locher Rd.	QuantiTray Total Coliform and E Coli Cour	\$27.00
17	8635.16	Canal Source	Locher Rd.	Total Phosphorus	\$24.00
18	8636.00	GW-70	Locher Rd.	Pesticides in Water	\$182.00
19	8636.01	GW-70	Locher Rd.	Chlorinated Herbicides	\$231.00
20	8636.02	GW-70	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
21	8636.03	GW-70	Locher Rd.	Total Metals in Water	\$168.00
22	8636.04	GW-70	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
23	8636.05	GW-70	Locher Rd.	Chloride	\$21.00
24	8636.06	GW-70	Locher Rd.	Sulfate	\$20.00
25	8636.07	GW-70	Locher Rd.	Fluoride	\$21.00
26	8636.08	GW-70	Locher Rd.	Total Dissolved Solids	\$20.00
27	8636.09	GW-70	Locher Rd.	Color	\$19.00
28	8636.10	GW-70	Locher Rd.	Surfactants	\$70.00

Thank You for Your Business

Please pay to corporate office by April 19, 2014 to avoid a 1.5% per month finance charge.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03496**

Date: March 20, 2014

Project: Water Quality Multiple Locations

Date Received: February 28, 2014

Attn: Steven Patton

Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
29	8636.11	GW-70	Locher Rd.	Nitrate-N	\$21.00
30	8636.12	GW-70	Locher Rd.	Turbidity	\$15.00
31	8636.13	GW-70	Locher Rd.	Corrosivity	\$53.00
32	8636.14	GW-70	Locher Rd.	ODOR	\$21.00
33	8636.15	GW-70	Locher Rd.	QuantiTray Total Coliform and E Coli Cour	\$27.00
34	8636.16	GW-70	Locher Rd.	Total Phosphorus	\$24.00
35	8637.00	GW-71	Locher Rd.	Pesticides in Water	\$182.00
36	8637.01	GW-71	Locher Rd.	Chlorinated Herbicides	\$231.00
37	8637.02	GW-71	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
38	8637.03	GW-71	Locher Rd.	Total Metals in Water	\$168.00
39	8637.04	GW-71	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
40	8637.05	GW-71	Locher Rd.	Chloride	\$21.00
41	8637.06	GW-71	Locher Rd.	Sulfate	\$20.00
42	8637.07	GW-71	Locher Rd.	Fluoride	\$21.00
43	8637.08	GW-71	Locher Rd.	Total Dissolved Solids	\$20.00
44	8637.09	GW-71	Locher Rd.	Color	\$19.00
45	8637.10	GW-71	Locher Rd.	Surfactants	\$70.00
46	8637.11	GW-71	Locher Rd.	Nitrate-N	\$21.00
47	8637.12	GW-71	Locher Rd.	Turbidity	\$15.00
48	8637.13	GW-71	Locher Rd.	Corrosivity	\$53.00
49	8637.14	GW-71	Locher Rd.	ODOR	\$21.00
50	8637.15	GW-71	Locher Rd.	QuantiTray Total Coliform and E Coli Cour	\$27.00
51	8637.16	GW-71	Locher Rd.	Total Phosphorus	\$24.00
52	8638.00	GW-72	Locher Rd.	Pesticides in Water	\$182.00
53	8638.01	GW-72	Locher Rd.	Chlorinated Herbicides	\$231.00
54	8638.02	GW-72	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
55	8638.03	GW-72	Locher Rd.	Total Metals in Water	\$168.00
56	8638.04	GW-72	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
57	8638.05	GW-72	Locher Rd.	Chloride	\$21.00

Thank You for Your Business

Please pay to corporate office by April 19, 2014 to avoid a 1.5% per month finance charge.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03496**

Date: March 20, 2014

Project: Water Quality Multiple Locations

Date Received: February 28, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
58	8638.06	GW-72	Locher Rd.	Sulfate	\$20.00
59	8638.07	GW-72	Locher Rd.	Fluoride	\$21.00
60	8638.08	GW-72	Locher Rd.	Total Dissolved Solids	\$20.00
61	8638.09	GW-72	Locher Rd.	Color	\$19.00
62	8638.10	GW-72	Locher Rd.	Surfactants	\$70.00
63	8638.11	GW-72	Locher Rd.	Nitrate-N	\$21.00
64	8638.12	GW-72	Locher Rd.	Turbidity	\$15.00
65	8638.13	GW-72	Locher Rd.	Corrosivity	\$53.00
66	8638.14	GW-72	Locher Rd.	ODOR	\$21.00
67	8638.15	GW-72	Locher Rd.	QuantiTray Total Coliform and E Coli Cour	\$27.00
68	8638.16	GW-72	Locher Rd.	Total Phosphorus	\$24.00

Grand Total: \$4,796.00

Amount Paid: \$0.00

Amount Due: **\$4,796.00**

Thank You for Your Business

Please pay to corporate office by April 19, 2014 to avoid a 1.5% per month finance charge.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour
 Ship Address: 810 S Main Street
 City: Milton-Freewater St OR zip: 97862
 Attn: Steven Patten
 Phone: 541.938-2170 FAX:
 Email: steven.patten@wwbwc.org
 Project: Water Quality

Bill to: Address: City: St: Zip:
 Phone: FAX:
 P.O.#: Attn:
 Visa MC A/E Expires: /
 Card#:
 For Lab Use Only
 Ref # 14-05496

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 8150 SW Ronner Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions
 1. Use one line per sample location.
 2. Be specific in analysis requests.
 3. (NEW) List each metal individually. (NEW)
 4. Check off analyses to be performed for each sample location.
 5. Enter number of containers.

Turn Around Time Required
 Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Fe, Mn, Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	Chinar - Sewer		Leaches Road	BEAS	SLU	7/27/14	12:15							14	
2															
3															
4															
5															
6															
7															
8															
9															
10															

Sampled by: Steven Patten
 Phone:
 FAX:
 Email:
 Sample Receipt Request (Must include FAX or Email) * W - water
 DW - drinking water SW - surface water GW - ground water WW - waste water OL - oil
 Relinquished by: Steven Patten ewbwbwc.org
 Date: 7/27/14 Time: 15:15 Received by: WBS
 Date: 7/27/14 Time:
 Custody seals intact Yes No N/A
 Sample temp C satisfactory
 Samples received intact
 Chain of custody & labels agree



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

21809

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	
City: Milton-Freewe St. OR Zip: 97862	City: ST: Zip:	<input type="checkbox"/> Safe Drinking Water Act	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Clean Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> RCRA / CERCLA	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> Other	
Project: Water Quality	Card#:		

SPCC ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsontonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsontonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

- Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions or Receipt
1	CAMP - SOURCE		LEACH ROAD	GRASS SW	7/27/17	12:18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14	
2												
3												
4												
5												
6												
7												
8												
9												
10												

Sampled by: Steven Patten
 Phone:
 FAX:
 Email:
 Total Containers: 14

Sample Receipt Request (Must include FAX or Email)

Steven, Patten @ wwbwc.org

* W - water * W - water * W - surface water * W - waste water * W - oil

DW - drinking water GW - Ground water S - soil Other

Relinquished by: Steven Patten Date: 7/27/17 Time: 13:45 Received by: UPS Date: 7/27/17 Time:
 Custody seals intact Yes No N/A

Sample temp _____ C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A



Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:		
City: Milton-Freewe St OR zip: 97862	City: St: Zip:		
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other	
Phone: 541.938-2170 FAX:	P.O.#: Attn:		
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires: /		
Project: Water Quality	Card#:		

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	GLU-70	GLU-70	GLU	2/27/14	9:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14	
2															
3															
4															
5															
6															
7															
8															
9															
10															

Sampled by: STEVEN PATTEN Phone: _____ FAX: _____ Email: _____

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil

Relinquished by: STEVEN PATTEN Date: 2/27/14 Time: 13:45 Received by: UPS

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree

Total Containers: 14

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98283
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

CO021809

FORM: COC 01-06-2009

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Ref #
City: Milton-Freewe St. OR Zip: 97862	City: St: Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires: /	<input type="checkbox"/> RCRA / CERCLA
Project: Water Quality	Card#:	<input type="checkbox"/> Other



Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers
1	GLS-70 Locher Bend	GLS	GLW	2/27/19	9:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Sampled by: STEVEN PATTEN Phone: _____ FAX: _____ Email: _____

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil

Relinquished by: STEVEN PATTEN Date: 2/27/19 Time: 13:45 Received by: UPS Date: 2/27/19 Time: _____

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree



Special Instructions
Conditions on Receipt:

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

21809

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Ref #	
City: Milton-Freewater St. OR Zip: 97862	City: St: Zip:	Check Regulatory Program	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/> Express	<input type="checkbox"/> RCRA / CERCLA	
Project: Water Quality	Card#:	<input type="checkbox"/> Other	

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-882-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Turn Around Time Required		8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Fe, Mn, Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
						Standard	Half-time (50% surcharge)										
1	612-71		GLAS GLU	2/27/19	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14	
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: _____ Phone: _____ FAX: _____ Email: _____

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil

Relinquished by: Steven Patten @ wallawallawatershed.org Date: 2/27/19 Time: 13:45 Received by: WPS Date: 2/27/19 Time: _____

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree

Total Containers: 14



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref #	
City:	Milton-Freewe St	OR zip:	97862	City:	
Attn:	Steven Patten	Phone:		St:	
Phone:	541.938-2170 FAX:	P.O #:		Zip:	
Email:	steven.patten@wwbwc.org	Card#:		Check Regulatory Program	
Project:	Water Quality	Expires:	/ /	<input type="checkbox"/> Safe Drinking Water Act	
				<input type="checkbox"/> Clean Water Act	
				<input type="checkbox"/> RCRA / CERCLA	
				<input type="checkbox"/> Other	

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions
 1. Use one line per sample Location.
 2. Be specific in analysis requests.
 3. (NEW) List each metal individually (NEW)
 4. Check off analyses to be performed for each sample Location.
 5. Enter number of containers.

Turn Around Time Required
 Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	6LJ-71 Locher Road	GRAB	GL	7/27/17	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14	
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: _____ Phone: _____ FAX: _____

Received by: _____ Date: _____ Time: _____

Sample Receipt Request (Must include FAX or Email)

Steven Patten & Wwbwc.org

Relinquished by: Steven Patten Date: 7/27/17 Time: 13:45 Received by: UPS Date: 7/27/17 Time: _____

* W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil Other _____

Chain of custody & labels agree Yes No N/A



CO021809

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

21809

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only	
Ship Address: 810 S Main Street	Address:		<input type="checkbox"/> Safe Drinking Water Act	
City: Milton-Freewe St OR zip: 97862	City: St Zip:		<input type="checkbox"/> Clean Water Act	
Attn: Steven Patten	Phone: FAX:		<input type="checkbox"/> RCRA / CERCLA	
Phone: 541.938-2170 FAX:	P.O.#: Attn:		<input type="checkbox"/> Other	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires			
Project: Water Quality	Card#:			

Main Lab (800-755-9295)
 1820 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually. (NEW)**
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Field ID	Location	Grab/ Sample Comp. Matrix*	Date	Time	Turn Around Time Required		Analyses Requested										Number of Containers	Special Instructions Conditions on Receipt
					Standard	Half-time (50% surcharge)	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)				
1	GLS-72	GLS	2/27/17	10:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14	
2					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: _____ Email: _____

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil
 Steven.patten@wwbwc.org GW - Ground water S - soil Other _____

Relinquished by: STEVEN PATTEN Date: 2/27/17 Time: 13:45 Received by: URS

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree



Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref #	
City:	Milton-Freew; st.	OR Zip:	97862	City:	St.
Attn:	Steven Patten	Phone:		FAX:	
Phone:	541.938-2170	FAX:		Attn:	
Email:	steven.patten@wwbwc.org	P.O.#:		Expires:	
Project:	Water Quality	Card#:		Expires:	

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 806 W. Orchard Dr. Sule 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 8150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Field ID	Location	Turn Around Time Required		Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
		Standard	Half-time (50% surcharge)											
1	612-72	<input checked="" type="checkbox"/>	<input type="checkbox"/>		GLU	2/27/14	10:22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	
2														
3														
4														
5														
6														
7														
8														
9														
10														

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Email:

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil

Relinquished by: STEVEN PATTEN Date: 2/27/14 Time: 13:45 Received by: UPS Date: 2/27/14 Time:

Custody seals intact Yes No N/A

Sample temp C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

14 Total Containers





March 19, 2014

Vista Project I.D.: 1400175

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 28, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Locher Road AR'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

A handwritten signature in blue ink that reads "Martha Maier".

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400175

Case Narrative

Sample Condition on Receipt:

Ten soil samples and five aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 78

Certifications..... 79

Sample Receipt..... 80

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400175-01	GW-70	27-Feb-14 11:50	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-02	GW-71	27-Feb-14 11:05	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-03	GW-72	27-Feb-14 10:15	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-04	Canal Source	27-Feb-14 12:45	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-05	GW-136	27-Feb-14 12:20	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-06	Soil #1	27-Feb-14 08:00	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-07	Soil #2	27-Feb-14 08:03	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-08	Soil #3	27-Feb-14 08:10	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-09	Soil #4	27-Feb-14 08:13	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-10	Soil #5	27-Feb-14 08:17	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-11	Soil #6	27-Feb-14 08:20	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-12	Soil #7	27-Feb-14 08:27	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-13	Soil #8	27-Feb-14 08:30	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-14	Soil #9	27-Feb-14 08:37	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-15	Soil #10	27-Feb-14 08:45	28-Feb-14 11:53	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	2.81			PCB-43/49	ND	2.23		
PCB-2	ND	3.30			PCB-44	ND	2.78		
PCB-3	ND	3.22			PCB-45	ND	2.13		
PCB-4/10	ND	8.90			PCB-46	ND	2.36		
PCB-5/8	ND	7.23			PCB-47	ND	2.35		
PCB-6	ND	7.28			PCB-48/75	ND	1.90		
PCB-7/9	ND	7.19			PCB-50	ND	2.32		
PCB-11	11.3				PCB-51	ND	1.76		
PCB-12/13	ND	7.12			PCB-52/69	ND	1.89		
PCB-14	ND	5.96			PCB-53	ND	1.74		
PCB-15	ND	6.96			PCB-54	ND	1.75		
PCB-16/32	ND	1.50			PCB-55	ND	1.60		
PCB-17	ND	1.73			PCB-56/60	ND	1.69		
PCB-18	ND	1.86			PCB-57	ND	1.55		
PCB-19	ND	1.82			PCB-58	ND	1.64		
PCB-20/21/33	ND	1.85			PCB-61/70	ND	1.66		
PCB-22	ND	1.75			PCB-62	ND	1.91		
PCB-23	ND	1.72			PCB-63	ND	1.59		
PCB-24/27	ND	1.30			PCB-65	ND	1.90		
PCB-25	ND	1.89			PCB-67	ND	1.71		
PCB-26	ND	1.97			PCB-68	ND	1.72		
PCB-28	ND	1.65			PCB-73	ND	1.67		
PCB-29	ND	1.88			PCB-74	ND	1.44		
PCB-30	ND	1.21			PCB-76/66	ND	1.53		
PCB-31	ND	2.00			PCB-77	ND	1.48		
PCB-34	ND	1.92			PCB-78	ND	1.52		
PCB-35	ND	1.89			PCB-79	ND	1.70		
PCB-36	ND	1.85			PCB-80	ND	1.43		
PCB-37	ND	2.01			PCB-81	ND	1.33		
PCB-38	ND	1.77			PCB-82	ND	3.68		
PCB-39	ND	1.79			PCB-83	ND	2.39		
PCB-40	ND	3.26			PCB-84/92	ND	1.77		
PCB-41/64/71/72	ND	1.92			PCB-85/116	ND	2.78		
PCB-42/59	ND	2.08			PCB-86	ND	3.69		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	2.42			PCB-133/142	ND	1.76		
PCB-88/91	ND	1.83			PCB-134/143	ND	1.73		
PCB-89	ND	1.82			PCB-135	ND	4.22		
PCB-90/101	ND	2.95			PCB-136	ND	3.00		
PCB-93	ND	1.78			PCB-137	ND	1.71		
PCB-94	ND	1.80			PCB-138/163/164	ND	1.29		
PCB-95/98/102	ND	1.68			PCB-139/149	ND	3.67		
PCB-96	ND	1.65			PCB-140	ND	4.19		
PCB-97	ND	2.98			PCB-141	ND	1.83		
PCB-99	ND	2.81			PCB-144	ND	3.94		
PCB-100	ND	1.78			PCB-145	ND	2.72		
PCB-103	ND	1.91			PCB-146/165	ND	1.35		
PCB-104	ND	1.40			PCB-147	ND	3.83		
PCB-105	ND	1.62			PCB-148	ND	3.81		
PCB-106/118	ND	2.04			PCB-150	ND	2.79		
PCB-107/109	ND	2.14			PCB-151	ND	4.09		
PCB-108/112	ND	2.88			PCB-152	ND	2.73		
PCB-110	ND	2.26			PCB-153	ND	1.37		
PCB-111/115	ND	2.15			PCB-154	ND	3.54		
PCB-113	ND	2.47			PCB-155	ND	2.60		
PCB-114	ND	1.66			PCB-156	ND	1.22		
PCB-119	ND	2.14			PCB-157	ND	1.31		
PCB-120	ND	2.09			PCB-158/160	ND	1.25		
PCB-121	ND	1.20			PCB-159	ND	1.32		
PCB-122	ND	1.85			PCB-166	ND	1.28		
PCB-123	ND	2.29			PCB-167	ND	1.25		
PCB-124	ND	2.04			PCB-168	ND	1.19		
PCB-126	ND	1.68			PCB-169	ND	1.25		
PCB-127	ND	1.75			PCB-170	ND	1.18		
PCB-128/162	ND	1.45			PCB-171	ND	1.26		
PCB-129	ND	1.84			PCB-172	ND	1.40		
PCB-130	ND	1.99			PCB-173	ND	1.50		
PCB-131	ND	1.84			PCB-174	ND	1.25		
PCB-132/161	ND	1.42			PCB-175	ND	1.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	1.19			Total triCB	ND	2.01		
PCB-177	ND	1.35			Total tetraCB	ND	3.26		
PCB-178	ND	1.73			Total pentaCB	ND	3.69		
PCB-179	ND	1.23			Total hexaCB	ND	4.22		
PCB-180	ND	1.23			Total heptaCB	ND	1.73		
PCB-181	ND	1.21			Total octaCB	ND	2.79		
PCB-182/187	ND	1.51			Total nonaCB	ND	2.15		
PCB-183	ND	1.47			DecaCB	ND	1.40		
PCB-184	ND	1.27			Total PCB	11.3			
PCB-185	ND	1.25							
PCB-186	ND	1.19							
PCB-188	ND	1.09							
PCB-189	ND	0.855							
PCB-190	ND	0.841							
PCB-191	ND	1.03							
PCB-192	ND	1.07							
PCB-193	ND	1.00							
PCB-194	ND	1.94							
PCB-195	ND	1.94							
PCB-196/203	ND	2.48							
PCB-197	ND	1.94							
PCB-198	ND	2.79							
PCB-199	ND	2.59							
PCB-200	ND	2.01							
PCB-201	ND	1.90							
PCB-202	ND	1.93							
PCB-204	ND	2.05							
PCB-205	ND	1.61							
PCB-206	ND	2.15							
PCB-207	ND	1.13							
PCB-208	ND	1.09							
PCB-209	ND	1.40							
Total monoCB	ND	3.30							
Total diCB	11.3								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.1	5- 145		13C-PCB-157	78.9	10- 145	
13C-PCB-3	55.1	5- 145		13C-PCB-159	74.9	10- 145	
13C-PCB-4	44.9	5- 145		13C-PCB-167	77.8	10- 145	
13C-PCB-11	56.3	5- 145		13C-PCB-169	96.7	10- 145	
13C-PCB-9	45.9	5- 145		13C-PCB-170	83.6	10- 145	
13C-PCB-19	53.6	5- 145		13C-PCB-180	76.8	10- 145	
13C-PCB-28	60.5	5- 145		13C-PCB-188	56.3	10- 145	
13C-PCB-32	51.8	5- 145		13C-PCB-189	83.6	10- 145	
13C-PCB-37	69.7	5- 145		13C-PCB-194	79.0	10- 145	
13C-PCB-47	59.2	5- 145		13C-PCB-202	56.1	10- 145	
13C-PCB-52	63.4	5- 145		13C-PCB-206	98.8	10- 145	
13C-PCB-54	52.3	5- 145		13C-PCB-208	85.2	10- 145	
13C-PCB-70	68.6	5- 145		13C-PCB-209	109	10- 145	
13C-PCB-77	87.3	10- 145		CRS 13C-PCB-79	85.6	10- 145	
13C-PCB-80	68.5	10- 145		13C-PCB-178	74.8	10- 145	
13C-PCB-81	83.0	10- 145					
13C-PCB-95	64.5	10- 145					
13C-PCB-97	73.5	10- 145					
13C-PCB-101	67.4	10- 145					
13C-PCB-104	58.4	10- 145					
13C-PCB-105	60.7	10- 145					
13C-PCB-114	58.7	10- 145					
13C-PCB-118	79.0	10- 145					
13C-PCB-123	82.5	10- 145					
13C-PCB-126	70.1	10- 145					
13C-PCB-127	62.9	10- 145					
13C-PCB-138	74.2	10- 145					
13C-PCB-141	71.3	10- 145					
13C-PCB-153	68.2	10- 145					
13C-PCB-155	47.7	10- 145					
13C-PCB-156	80.0	10- 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BS1
Date Analyzed: 10-Mar-14 10:49 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	888	1000	88.8	60 - 135	IS 13C-PCB-1	70.3	15 - 145
PCB-3	917	1000	91.7	60 - 135	IS 13C-PCB-3	72.4	15 - 145
PCB-4/10	3840	4000	96.1	60 - 135	IS 13C-PCB-4	54.8	15 - 145
PCB-15	2050	2000	103	60 - 135	IS 13C-PCB-11	62.2	15 - 145
PCB-19	1230	1000	123	60 - 135	IS 13C-PCB-9	53.1	15 - 145
PCB-37	953	1000	95.3	60 - 135	IS 13C-PCB-19	62.1	15 - 145
PCB-54	1030	1000	103	60 - 135	IS 13C-PCB-28	62.1	15 - 145
PCB-77	948	1000	94.8	60 - 135	IS 13C-PCB-32	58.8	15 - 145
PCB-81	958	1000	95.8	60 - 135	IS 13C-PCB-37	76.8	15 - 145
PCB-104	1160	1000	116	60 - 135	IS 13C-PCB-47	67.3	15 - 145
PCB-105	849	1000	84.9	60 - 135	IS 13C-PCB-52	67.5	15 - 145
PCB-106/118	2200	2000	110	60 - 135	IS 13C-PCB-54	62.8	15 - 145
PCB-114	857	1000	85.7	60 - 135	IS 13C-PCB-70	69.4	15 - 145
PCB-126	846	1000	84.6	60 - 135	IS 13C-PCB-77	88.3	40 - 145
PCB-155	1160	1000	116	60 - 135	IS 13C-PCB-80	67.5	40 - 145
PCB-156	905	1000	90.5	60 - 135	IS 13C-PCB-81	83.8	40 - 145
PCB-157	956	1000	95.6	60 - 135	IS 13C-PCB-95	65.9	40 - 145
PCB-167	923	1000	92.3	60 - 135	IS 13C-PCB-97	72.0	40 - 145
PCB-169	917	1000	91.7	60 - 135	IS 13C-PCB-101	69.5	40 - 145
PCB-188	1090	1000	109	60 - 135	IS 13C-PCB-104	62.2	40 - 145
PCB-189	1070	1000	107	60 - 135	IS 13C-PCB-105	55.5	40 - 145
PCB-202	1090	1000	109	60 - 135	IS 13C-PCB-114	55.9	40 - 145
PCB-205	933	1000	93.3	60 - 135	IS 13C-PCB-118	79.3	40 - 145
PCB-206	998	1000	99.8	60 - 135	IS 13C-PCB-123	81.8	40 - 145
PCB-208	1000	1000	100	60 - 135	IS 13C-PCB-126	65.7	40 - 145
PCB-209	991	1000	99.1	60 - 135	IS 13C-PCB-127	60.6	40 - 145
					IS 13C-PCB-138	69.9	40 - 145
					IS 13C-PCB-141	69.3	40 - 145
					IS 13C-PCB-153	66.8	40 - 145
					IS 13C-PCB-155	52.4	40 - 145
					IS 13C-PCB-156	79.3	40 - 145
					IS 13C-PCB-157	75.4	40 - 145
					IS 13C-PCB-159	72.8	40 - 145
					IS 13C-PCB-167	76.2	40 - 145
					IS 13C-PCB-169	88.7	40 - 145
					IS 13C-PCB-170	80.0	40 - 145
					IS 13C-PCB-180	74.9	40 - 145
					IS 13C-PCB-188	59.0	40 - 145
					IS 13C-PCB-189	79.4	40 - 145
					IS 13C-PCB-194	74.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BS1
Date Analyzed: 10-Mar-14 10:49 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	56.0	40 - 145
					IS 13C-PCB-206	94.1	40 - 145
					IS 13C-PCB-208	83.3	40 - 145
					IS 13C-PCB-209	109	40 - 145
					CRS 13C-PCB-79	87.8	40 - 145
					CRS 13C-PCB-178	77.1	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	31.5				PCB-44	ND		6.38	
PCB-2	ND	2.07			PCB-45	3.12			J
PCB-3	13.2				PCB-46	ND	1.57		
PCB-4/10	58.3				PCB-47	ND	1.26		
PCB-5/8	159				PCB-48/75	ND	1.02		
PCB-6	29.5				PCB-50	ND	1.45		
PCB-7/9	15.0			J	PCB-51	ND	1.18		
PCB-11	17.5			B	PCB-52/69	7.04			J
PCB-12/13	ND	9.21			PCB-53	2.84			J
PCB-14	ND	7.71			PCB-54	ND	1.09		
PCB-15	35.4				PCB-55	ND	0.882		
PCB-16/32	71.2				PCB-56/60	ND	0.935		
PCB-17	36.4				PCB-57	ND	0.839		
PCB-18	108				PCB-58	ND	0.887		
PCB-19	11.9				PCB-61/70	3.00			J
PCB-20/21/33	22.2				PCB-62	ND	1.02		
PCB-22	ND		10.4		PCB-63	ND	0.858		
PCB-23	ND	1.43			PCB-65	ND	1.02		
PCB-24/27	8.34			J	PCB-67	ND	0.927		
PCB-25	2.87			J	PCB-68	ND	0.921		
PCB-26	5.66				PCB-73	ND	0.949		
PCB-28	28.0				PCB-74	ND		0.898	
PCB-29	ND	1.57			PCB-76/66	ND		1.13	
PCB-30	ND	0.893			PCB-77	ND	0.803		
PCB-31	28.7				PCB-78	ND	0.867		
PCB-34	ND	1.60			PCB-79	ND	0.940		
PCB-35	ND	1.54			PCB-80	ND	0.788		
PCB-36	ND	1.52			PCB-81	ND	0.755		
PCB-37	3.62			J	PCB-82	ND	2.24		
PCB-38	ND	1.45			PCB-83	ND	1.54		
PCB-39	ND	1.46			PCB-84/92	ND	2.24		
PCB-40	ND	1.75			PCB-85/116	ND	1.79		
PCB-41/64/71/72	5.39			J	PCB-86	ND	2.37		
PCB-42/59	ND		2.58		PCB-87/117/125	ND	1.56		
PCB-43/49	5.42			J	PCB-88/91	ND	2.26		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.31			PCB-136	ND	2.43		
PCB-90/101	ND	1.96			PCB-137	ND	1.18		
PCB-93	ND	2.20			PCB-138/163/164	ND	0.885		
PCB-94	ND	2.22			PCB-139/149	ND	2.97		
PCB-95/98/102	ND		1.59		PCB-140	ND	3.39		
PCB-96	ND	1.85			PCB-141	ND	1.27		
PCB-97	ND	1.92			PCB-144	ND	3.19		
PCB-99	ND	1.87			PCB-145	ND	2.20		
PCB-100	ND	2.00			PCB-146/165	ND	0.984		
PCB-103	ND	2.15			PCB-147	ND	3.10		
PCB-104	ND	1.57			PCB-148	ND	3.09		
PCB-105	ND	1.21			PCB-150	ND	2.26		
PCB-106/118	ND	1.37			PCB-151	ND	3.31		
PCB-107/109	ND	1.30			PCB-152	ND	2.21		
PCB-108/112	ND	1.85			PCB-153	ND	1.00		
PCB-110	ND		1.83		PCB-154	ND	2.87		
PCB-111/115	ND	1.38			PCB-155	ND	2.11		
PCB-113	ND	1.64			PCB-156	ND	0.820		
PCB-114	ND	1.26			PCB-157	ND	0.917		
PCB-119	ND	1.38			PCB-158/160	ND	0.854		
PCB-120	ND	1.35			PCB-159	ND	0.914		
PCB-121	ND	1.49			PCB-166	ND	0.886		
PCB-122	ND	1.41			PCB-167	ND	0.848		
PCB-123	ND	1.39			PCB-168	ND	0.867		
PCB-124	ND	1.24			PCB-169	ND	0.816		
PCB-126	ND	1.31			PCB-170	ND	0.817		
PCB-127	ND	1.34			PCB-171	ND	0.854		
PCB-128/162	ND	1.01			PCB-172	ND	0.953		
PCB-129	ND	1.26			PCB-173	ND	1.02		
PCB-130	ND	1.38			PCB-174	ND	0.848		
PCB-131	ND	1.35			PCB-175	ND	1.09		
PCB-132/161	ND	1.04			PCB-176	ND	0.791		
PCB-133/142	ND	1.28			PCB-177	ND	0.915		
PCB-134/143	ND	1.27			PCB-178	ND	1.15		
PCB-135	ND	3.42			PCB-179	ND	0.817		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.835			Total octaCB	ND	1.95		
PCB-181	ND	0.824			Total nonaCB	ND	1.68		
PCB-182/187	ND	1.01			DecaCB	ND	0.984		
PCB-183	ND	0.981			Total PCB	713			B
PCB-184	ND	0.849							
PCB-185	ND	0.851							
PCB-186	ND	0.794							
PCB-188	ND	0.728							
PCB-189	ND	0.556							
PCB-190	ND	0.584							
PCB-191	ND	0.696							
PCB-192	ND	0.729							
PCB-193	ND	0.679							
PCB-194	ND	1.39							
PCB-195	ND	1.39							
PCB-196/203	ND	1.73							
PCB-197	ND	1.36							
PCB-198	ND	1.95							
PCB-199	ND	1.81							
PCB-200	ND	1.41							
PCB-201	ND	1.33							
PCB-202	ND	1.35							
PCB-204	ND	1.43							
PCB-205	ND	1.15							
PCB-206	ND	1.68							
PCB-207	ND	0.901							
PCB-208	ND	0.869							
PCB-209	ND	0.984							
Total monoCB	44.7								
Total diCB	315			B					
Total triCB	327		337						
Total tetraCB	26.8		37.8						
Total pentaCB	ND		3.43	J					
Total hexaCB	ND	3.42							
Total heptaCB	ND	1.15							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	55.7	5 -145		13C-PCB-170	98.3	10 -145	
13C-PCB-3	64.1	5 -145		13C-PCB-180	89.5	10 -145	
13C-PCB-4	55.5	5 -145		13C-PCB-188	64.6	10 -145	
13C-PCB-11	68.1	5 -145		13C-PCB-189	98.9	10 -145	
13C-PCB-9	54.1	5 -145		13C-PCB-194	92.5	10 -145	
13C-PCB-19	57.6	5 -145		13C-PCB-202	63.3	10 -145	
13C-PCB-28	88.8	5 -145		13C-PCB-206	115	10 -145	
13C-PCB-32	54.4	5 -145		13C-PCB-208	100	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	127	10 -145	
13C-PCB-47	74.2	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	72.8	5 -145		13C-PCB-178	89.5	10 -145	
13C-PCB-54	61.8	5 -145					
13C-PCB-70	83.4	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	82.5	10 -145					
13C-PCB-81	97.4	10 -145					
13C-PCB-95	77.2	10 -145					
13C-PCB-97	86.0	10 -145					
13C-PCB-101	83.2	10 -145					
13C-PCB-104	70.0	10 -145					
13C-PCB-105	68.9	10 -145					
13C-PCB-114	68.3	10 -145					
13C-PCB-118	94.9	10 -145					
13C-PCB-123	100	10 -145					
13C-PCB-126	80.2	10 -145					
13C-PCB-127	75.9	10 -145					
13C-PCB-138	85.1	10 -145					
13C-PCB-141	82.8	10 -145					
13C-PCB-153	80.9	10 -145					
13C-PCB-155	54.0	10 -145					
13C-PCB-156	94.7	10 -145					
13C-PCB-157	93.8	10 -145					
13C-PCB-159	88.8	10 -145					
13C-PCB-167	94.9	10 -145					
13C-PCB-169	116	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	33.6				PCB-44	7.55			
PCB-2	2.66			J	PCB-45	3.95			J
PCB-3	14.3				PCB-46	ND	1.62		
PCB-4/10	63.7				PCB-47	3.16			J
PCB-5/8	163				PCB-48/75	2.01			J
PCB-6	29.4				PCB-50	ND	1.50		
PCB-7/9	14.4			J	PCB-51	ND	1.21		
PCB-11	18.9			B	PCB-52/69	7.91			J
PCB-12/13	ND	8.11			PCB-53	ND	1.20		
PCB-14	ND	6.81			PCB-54	ND	1.13		
PCB-15	35.7				PCB-55	ND	0.878		
PCB-16/32	68.5				PCB-56/60	2.07			J
PCB-17	36.1				PCB-57	ND	0.838		
PCB-18	102				PCB-58	ND	0.886		
PCB-19	ND		11.4		PCB-61/70	3.55			J
PCB-20/21/33	ND		22.4		PCB-62	ND	1.01		
PCB-22	15.0				PCB-63	ND	0.857		
PCB-23	ND	1.69			PCB-65	ND	1.00		
PCB-24/27	8.49			J	PCB-67	ND	0.926		
PCB-25	ND		3.08		PCB-68	ND	0.903		
PCB-26	7.47				PCB-73	ND	0.978		
PCB-28	25.9				PCB-74	1.16			J
PCB-29	ND	1.85			PCB-76/66	ND		1.90	
PCB-30	ND	1.16			PCB-77	ND	0.807		
PCB-31	34.9				PCB-78	ND	0.829		
PCB-34	ND	1.88			PCB-79	ND	0.936		
PCB-35	ND	1.53			PCB-80	ND	0.785		
PCB-36	ND	1.51			PCB-81	ND	0.722		
PCB-37	ND		3.02		PCB-82	ND	2.51		
PCB-38	ND	1.44			PCB-83	ND	1.70		
PCB-39	ND	1.45			PCB-84/92	ND	2.59		
PCB-40	ND	1.71			PCB-85/116	ND	1.97		
PCB-41/64/71/72	5.39			J	PCB-86	ND	2.62		
PCB-42/59	ND		2.23		PCB-87/117/125	ND	1.72		
PCB-43/49	ND		4.97		PCB-88/91	ND	2.70		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.67			PCB-136	ND	2.43		
PCB-90/101	ND	2.27			PCB-137	ND	1.13		
PCB-93	ND	2.63			PCB-138/163/164	ND	0.932		
PCB-94	ND	2.66			PCB-139/149	ND	2.97		
PCB-95/98/102	ND	2.48			PCB-140	ND	3.39		
PCB-96	ND	2.20			PCB-141	ND	1.21		
PCB-97	ND	2.11			PCB-144	ND	3.19		
PCB-99	ND	2.16			PCB-145	ND	2.20		
PCB-100	ND	2.38			PCB-146/165	ND	0.927		
PCB-103	ND	2.56			PCB-147	ND	3.10		
PCB-104	ND	1.87			PCB-148	ND	3.08		
PCB-105	ND	1.27			PCB-150	ND	2.26		
PCB-106/118	ND	1.54			PCB-151	ND	3.31		
PCB-107/109	ND	1.46			PCB-152	ND	2.21		
PCB-108/112	ND	2.04			PCB-153	ND	0.941		
PCB-110	ND	1.60			PCB-154	ND	2.87		
PCB-111/115	ND	1.52			PCB-155	ND	2.11		
PCB-113	ND	1.90			PCB-156	ND	0.801		
PCB-114	ND	1.22			PCB-157	ND	0.822		
PCB-119	ND	1.52			PCB-158/160	ND	0.900		
PCB-120	ND	1.49			PCB-159	ND	0.913		
PCB-121	ND	1.78			PCB-166	ND	0.885		
PCB-122	ND	1.35			PCB-167	ND	0.812		
PCB-123	ND	1.56			PCB-168	ND	0.816		
PCB-124	ND	1.39			PCB-169	ND	0.816		
PCB-126	ND	1.26			PCB-170	ND	0.822		
PCB-127	ND	1.33			PCB-171	ND	0.884		
PCB-128/162	ND	1.00			PCB-172	ND	0.988		
PCB-129	ND	1.32			PCB-173	ND	1.05		
PCB-130	ND	1.31			PCB-174	ND	0.879		
PCB-131	ND	1.27			PCB-175	ND	1.13		
PCB-132/161	ND	0.981			PCB-176	ND	0.824		
PCB-133/142	ND	1.21			PCB-177	ND	0.948		
PCB-134/143	ND	1.19			PCB-178	ND	1.20		
PCB-135	ND	3.42			PCB-179	ND	0.852		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.865			Total octaCB	ND	2.20		
PCB-181	ND	0.854			Total nonaCB	ND	1.39		
PCB-182/187	ND	1.05			DecaCB	ND	1.11		
PCB-183	ND	1.02			Total PCB	710			B
PCB-184	ND	0.885							
PCB-185	ND	0.882							
PCB-186	ND	0.828							
PCB-188	ND	0.759							
PCB-189	ND	0.569							
PCB-190	ND	0.587							
PCB-191	ND	0.721							
PCB-192	ND	0.755							
PCB-193	ND	0.703							
PCB-194	ND	1.24							
PCB-195	ND	1.24							
PCB-196/203	ND	1.96							
PCB-197	ND	1.54							
PCB-198	ND	2.20							
PCB-199	ND	2.05							
PCB-200	ND	1.59							
PCB-201	ND	1.50							
PCB-202	ND	1.52							
PCB-204	ND	1.62							
PCB-205	ND	1.03							
PCB-206	ND	1.39							
PCB-207	ND	0.753							
PCB-208	ND	0.727							
PCB-209	ND	1.11							
Total monoCB	50.5								
Total diCB	325			B					
Total triCB	298		338						
Total tetraCB	36.8		45.9						
Total pentaCB	ND	2.70							
Total hexaCB	ND	3.42							
Total heptaCB	ND	1.20							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	0.996 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 11:05			Date Analyzed :	10-Mar-14 19:23	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	51.7	5 -145		13C-PCB-170	91.2	10 -145	
13C-PCB-3	57.0	5 -145		13C-PCB-180	84.2	10 -145	
13C-PCB-4	50.9	5 -145		13C-PCB-188	59.0	10 -145	
13C-PCB-11	61.8	5 -145		13C-PCB-189	92.1	10 -145	
13C-PCB-9	50.2	5 -145		13C-PCB-194	79.5	10 -145	
13C-PCB-19	45.8	5 -145		13C-PCB-202	57.1	10 -145	
13C-PCB-28	76.5	5 -145		13C-PCB-206	98.4	10 -145	
13C-PCB-32	50.3	5 -145		13C-PCB-208	83.8	10 -145	
13C-PCB-37	97.1	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	70.4	5 -145		CRS 13C-PCB-79	99.2	10 -145	
13C-PCB-52	70.4	5 -145		13C-PCB-178	79.8	10 -145	
13C-PCB-54	57.6	5 -145					
13C-PCB-70	76.1	5 -145					
13C-PCB-77	96.2	10 -145					
13C-PCB-80	75.7	10 -145					
13C-PCB-81	95.3	10 -145					
13C-PCB-95	70.7	10 -145					
13C-PCB-97	79.1	10 -145					
13C-PCB-101	73.7	10 -145					
13C-PCB-104	62.8	10 -145					
13C-PCB-105	63.8	10 -145					
13C-PCB-114	64.6	10 -145					
13C-PCB-118	88.9	10 -145					
13C-PCB-123	92.4	10 -145					
13C-PCB-126	80.8	10 -145					
13C-PCB-127	70.1	10 -145					
13C-PCB-138	78.9	10 -145					
13C-PCB-141	74.6	10 -145					
13C-PCB-153	74.3	10 -145					
13C-PCB-155	48.5	10 -145					
13C-PCB-156	91.0	10 -145					
13C-PCB-157	90.6	10 -145					
13C-PCB-159	84.7	10 -145					
13C-PCB-167	85.9	10 -145					
13C-PCB-169	108	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 10:15			QC Batch:	B4C0018
				Date Analyzed :	14-Mar-14 13:44 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	32.7				PCB-44	8.21			
PCB-2	ND	4.58			PCB-45	ND		2.42	
PCB-3	13.1				PCB-46	ND		1.74	
PCB-4/10	55.2				PCB-47	4.26			J
PCB-5/8	139				PCB-48/75	2.43			J
PCB-6	25.0				PCB-50	ND	1.05		
PCB-7/9	11.8			J	PCB-51	ND	0.854		
PCB-11	19.1			B	PCB-52/69	8.74			J
PCB-12/13	ND	8.29			PCB-53	3.16			J
PCB-14	ND	6.93			PCB-54	ND	0.787		
PCB-15	29.6				PCB-55	ND	0.621		
PCB-16/32	53.0				PCB-56/60	2.24			J
PCB-17	29.0				PCB-57	ND	0.603		
PCB-18	83.8				PCB-58	ND	0.637		
PCB-19	9.76				PCB-61/70	4.27			J
PCB-20/21/33	26.5				PCB-62	ND	0.742		
PCB-22	13.9				PCB-63	ND	0.616		
PCB-23	ND	0.796			PCB-65	ND	0.738		
PCB-24/27	6.34			J	PCB-67	ND	0.666		
PCB-25	3.16			J	PCB-68	ND	0.667		
PCB-26	6.84				PCB-73	ND	0.689		
PCB-28	27.6				PCB-74	ND		1.52	
PCB-29	ND	0.871			PCB-76/66	ND		2.29	
PCB-30	ND	0.788			PCB-77	ND	0.617		
PCB-31	38.4				PCB-78	ND	0.674		
PCB-34	ND	0.886			PCB-79	ND	0.662		
PCB-35	ND	0.911			PCB-80	ND	0.555		
PCB-36	ND	0.895			PCB-81	ND	0.587		
PCB-37	4.42			J	PCB-82	ND	1.92		
PCB-38	ND	0.855			PCB-83	ND	1.16		
PCB-39	ND	0.863			PCB-84/92	ND	1.67		
PCB-40	ND	1.26			PCB-85/116	ND	1.35		
PCB-41/64/71/72	6.90			J	PCB-86	ND	1.80		
PCB-42/59	3.63			J	PCB-87/117/125	ND	1.18		
PCB-43/49	6.60			J	PCB-88/91	ND	1.80		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 10:15			QC Batch:	B4C0018
				Date Analyzed :	14-Mar-14 13:44 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.72			PCB-136	ND	1.37		
PCB-90/101	ND	1.46			PCB-137	ND	0.864		
PCB-93	ND	1.76			PCB-138/163/164	ND	0.741		
PCB-94	ND	1.77			PCB-139/149	ND	1.67		
PCB-95/98/102	ND	1.65			PCB-140	ND	1.91		
PCB-96	ND	1.42			PCB-141	ND	0.927		
PCB-97	ND	1.45			PCB-144	ND	1.80		
PCB-99	ND	1.39			PCB-145	ND	1.24		
PCB-100	ND	1.54			PCB-146/165	ND	0.799		
PCB-103	ND	1.65			PCB-147	ND	1.75		
PCB-104	ND	1.21			PCB-148	ND	1.74		
PCB-105	ND	0.911			PCB-150	ND	1.27		
PCB-106/118	ND	1.14			PCB-151	ND	1.86		
PCB-107/109	ND	1.12			PCB-152	ND	1.24		
PCB-108/112	ND	1.40			PCB-153	ND	0.811		
PCB-110	2.24			J	PCB-154	ND	1.62		
PCB-111/115	ND	1.04			PCB-155	ND	1.19		
PCB-113	ND	1.22			PCB-156	ND	0.693		
PCB-114	ND	0.948			PCB-157	ND	0.779		
PCB-119	ND	1.04			PCB-158/160	ND	0.716		
PCB-120	ND	1.02			PCB-159	ND	0.785		
PCB-121	ND	1.19			PCB-166	ND	0.761		
PCB-122	ND	1.05			PCB-167	ND	0.754		
PCB-123	ND	1.20			PCB-168	ND	0.704		
PCB-124	ND	1.07			PCB-169	ND	0.819		
PCB-126	ND	1.01			PCB-170	ND	0.683		
PCB-127	ND	0.956			PCB-171	ND	0.680		
PCB-128/162	ND	0.864			PCB-172	ND	0.759		
PCB-129	ND	1.05			PCB-173	ND	0.810		
PCB-130	ND	1.01			PCB-174	ND	0.675		
PCB-131	ND	1.09			PCB-175	ND	0.781		
PCB-132/161	ND	0.846			PCB-176	ND	0.568		
PCB-133/142	ND	1.04			PCB-177	ND	0.729		
PCB-134/143	ND	1.03			PCB-178	ND	0.827		
PCB-135	ND	1.92			PCB-179	ND	0.587		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 10:15			QC Batch:	B4C0018
				Date Analyzed :	14-Mar-14 13:44
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.665			Total octaCB	ND	1.49		
PCB-181	ND	0.656			Total nonaCB	ND	1.23		
PCB-182/187	ND	0.725			DecaCB	ND	1.25		
PCB-183	ND	0.705			Total PCB	681			B
PCB-184	ND	0.610							
PCB-185	ND	0.677							
PCB-186	ND	0.571							
PCB-188	ND	0.523							
PCB-189	ND	0.431							
PCB-190	ND	0.488							
PCB-191	ND	0.554							
PCB-192	ND	0.580							
PCB-193	ND	0.540							
PCB-194	ND	0.968							
PCB-195	ND	0.970							
PCB-196/203	ND	1.33							
PCB-197	ND	1.04							
PCB-198	ND	1.49							
PCB-199	ND	1.38							
PCB-200	ND	1.07							
PCB-201	ND	1.01							
PCB-202	ND	1.03							
PCB-204	ND	1.09							
PCB-205	ND	0.804							
PCB-206	ND	1.23							
PCB-207	ND	0.556							
PCB-208	ND	0.536							
PCB-209	ND	1.25							
Total monoCB	45.8								
Total diCB	280			B					
Total triCB	303								
Total tetraCB	50.4		58.4						
Total pentaCB	2.24			J					
Total hexaCB	ND	1.92							
Total heptaCB	ND	0.827							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	0.992 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 10:15			Date Analyzed :	14-Mar-14 13:44	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	51.0	5 -145		13C-PCB-170	78.4	10 -145	
13C-PCB-3	54.1	5 -145		13C-PCB-180	75.1	10 -145	
13C-PCB-4	53.1	5 -145		13C-PCB-188	58.4	10 -145	
13C-PCB-11	66.8	5 -145		13C-PCB-189	88.7	10 -145	
13C-PCB-9	56.3	5 -145		13C-PCB-194	70.2	10 -145	
13C-PCB-19	64.4	5 -145		13C-PCB-202	56.4	10 -145	
13C-PCB-28	70.8	5 -145		13C-PCB-206	75.5	10 -145	
13C-PCB-32	71.4	5 -145		13C-PCB-208	70.6	10 -145	
13C-PCB-37	78.5	5 -145		13C-PCB-209	76.2	10 -145	
13C-PCB-47	66.9	5 -145		CRS 13C-PCB-79	83.6	10 -145	
13C-PCB-52	68.3	5 -145		13C-PCB-178	73.2	10 -145	
13C-PCB-54	62.5	5 -145					
13C-PCB-70	77.6	5 -145					
13C-PCB-77	88.1	10 -145					
13C-PCB-80	76.2	10 -145					
13C-PCB-81	86.4	10 -145					
13C-PCB-95	70.7	10 -145					
13C-PCB-97	77.3	10 -145					
13C-PCB-101	73.7	10 -145					
13C-PCB-104	66.6	10 -145					
13C-PCB-105	70.4	10 -145					
13C-PCB-114	70.8	10 -145					
13C-PCB-118	85.3	10 -145					
13C-PCB-123	87.8	10 -145					
13C-PCB-126	78.7	10 -145					
13C-PCB-127	76.2	10 -145					
13C-PCB-138	81.7	10 -145					
13C-PCB-141	78.9	10 -145					
13C-PCB-153	76.1	10 -145					
13C-PCB-155	54.4	10 -145					
13C-PCB-156	85.2	10 -145					
13C-PCB-157	82.3	10 -145					
13C-PCB-159	82.8	10 -145					
13C-PCB-167	84.1	10 -145					
13C-PCB-169	93.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 03:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.80			PCB-44	ND	1.39		
PCB-2	ND	1.98			PCB-45	ND	1.39		
PCB-3	ND	1.94			PCB-46	ND	1.54		
PCB-4/10	ND	7.54			PCB-47	ND	1.18		
PCB-5/8	ND	6.91			PCB-48/75	ND	0.952		
PCB-6	ND	6.95			PCB-50	ND	1.29		
PCB-7/9	ND	6.87			PCB-51	ND	1.15		
PCB-11	8.93			J, B	PCB-52/69	2.66			J
PCB-12/13	ND	6.66			PCB-53	ND	1.14		
PCB-14	ND	5.57			PCB-54	ND	0.970		
PCB-15	ND	6.50			PCB-55	ND	0.894		
PCB-16/32	ND	0.891			PCB-56/60	1.62			J
PCB-17	ND	1.02			PCB-57	ND	0.810		
PCB-18	ND		3.66		PCB-58	ND	0.856		
PCB-19	ND	1.17			PCB-61/70	1.95			J
PCB-20/21/33	ND	1.28			PCB-62	ND	0.959		
PCB-22	ND	1.22			PCB-63	ND	0.828		
PCB-23	ND	1.20			PCB-65	ND	0.954		
PCB-24/27	ND	0.773			PCB-67	ND	0.894		
PCB-25	ND	1.31			PCB-68	ND	0.862		
PCB-26	ND	1.37			PCB-73	ND	0.930		
PCB-28	ND		3.64		PCB-74	0.826			J
PCB-29	ND	1.31			PCB-76/66	1.60			J
PCB-30	ND	0.781			PCB-77	ND	0.849		
PCB-31	4.02			J	PCB-78	ND	0.867		
PCB-34	ND	1.33			PCB-79	ND	0.954		
PCB-35	ND	1.38			PCB-80	ND	0.799		
PCB-36	ND	1.35			PCB-81	ND	0.755		
PCB-37	ND	1.47			PCB-82	ND	2.84		
PCB-38	ND	1.29			PCB-83	ND	1.96		
PCB-39	ND	1.30			PCB-84/92	ND	2.65		
PCB-40	ND	1.63			PCB-85/116	ND	2.28		
PCB-41/64/71/72	2.38			J	PCB-86	ND	3.03		
PCB-42/59	ND	1.04			PCB-87/117/125	ND	1.99		
PCB-43/49	ND	1.24			PCB-88/91	ND	2.59		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 03:06 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.72			PCB-136	ND	2.19		
PCB-90/101	2.58			J	PCB-137	ND	1.37		
PCB-93	ND	2.53			PCB-138/163/164	ND	1.16		
PCB-94	ND	2.55			PCB-139/149	ND	2.67		
PCB-95/98/102	ND	2.38			PCB-140	ND	3.05		
PCB-96	ND	2.17			PCB-141	ND	1.47		
PCB-97	ND	2.45			PCB-144	ND	2.87		
PCB-99	ND	2.20			PCB-145	ND	1.98		
PCB-100	ND	2.35			PCB-146/165	ND	1.15		
PCB-103	ND	2.52			PCB-147	ND	2.79		
PCB-104	ND	1.84			PCB-148	ND	2.77		
PCB-105	ND	1.57			PCB-150	ND	2.03		
PCB-106/118	2.98			J	PCB-151	ND	2.98		
PCB-107/109	ND	1.65			PCB-152	ND	1.99		
PCB-108/112	ND	2.36			PCB-153	ND		1.76	
PCB-110	3.31			J	PCB-154	ND	2.58		
PCB-111/115	ND	1.76			PCB-155	ND	1.89		
PCB-113	ND	1.94			PCB-156	ND	1.00		
PCB-114	ND	1.50			PCB-157	ND	1.08		
PCB-119	ND	1.76			PCB-158/160	ND	1.12		
PCB-120	ND	1.72			PCB-159	ND	1.04		
PCB-121	ND	1.71			PCB-166	ND	1.01		
PCB-122	ND	1.67			PCB-167	ND	1.06		
PCB-123	ND	1.77			PCB-168	ND	1.01		
PCB-124	ND	1.57			PCB-169	ND	1.02		
PCB-126	ND	1.79			PCB-170	ND	0.984		
PCB-127	ND	1.68			PCB-171	ND	0.990		
PCB-128/162	ND	1.15			PCB-172	ND	1.11		
PCB-129	ND	1.65			PCB-173	ND	1.18		
PCB-130	ND	1.59			PCB-174	ND	0.984		
PCB-131	ND	1.57			PCB-175	ND	1.17		
PCB-132/161	ND	1.22			PCB-176	ND	0.852		
PCB-133/142	ND	1.50			PCB-177	ND	1.06		
PCB-134/143	ND	1.48			PCB-178	ND	1.24		
PCB-135	ND	3.07			PCB-179	ND	0.880		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 03:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.968			Total octaCB	ND	2.36		
PCB-181	ND	0.956			Total nonaCB	ND	1.76		
PCB-182/187	ND	1.09			DecaCB	ND	2.48		
PCB-183	ND	1.06			Total PCB	32.9			B
PCB-184	ND	0.915							
PCB-185	ND	0.987							
PCB-186	ND	0.855							
PCB-188	ND	0.784							
PCB-189	ND	0.676							
PCB-190	ND	0.703							
PCB-191	ND	0.807							
PCB-192	ND	0.845							
PCB-193	ND	0.787							
PCB-194	ND	1.50							
PCB-195	ND	1.50							
PCB-196/203	ND	2.10							
PCB-197	ND	1.64							
PCB-198	ND	2.36							
PCB-199	ND	2.19							
PCB-200	ND	1.70							
PCB-201	ND	1.61							
PCB-202	ND	1.63							
PCB-204	ND	1.73							
PCB-205	ND	1.25							
PCB-206	ND	1.76							
PCB-207	ND	0.945							
PCB-208	ND	0.912							
PCB-209	ND	2.48							
Total monoCB	ND	1.98							
Total diCB	8.93			J, B					
Total triCB	4.02		11.3						
Total tetraCB	11.0								
Total pentaCB	8.87								
Total hexaCB	ND		1.76	J					
Total heptaCB	ND	1.24							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	0.992 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 12:45			Date Analyzed :	11-Mar-14 03:06	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	63.5	5 -145		13C-PCB-170	88.1	10 -145	
13C-PCB-3	69.4	5 -145		13C-PCB-180	83.5	10 -145	
13C-PCB-4	52.6	5 -145		13C-PCB-188	64.3	10 -145	
13C-PCB-11	62.4	5 -145		13C-PCB-189	87.8	10 -145	
13C-PCB-9	51.3	5 -145		13C-PCB-194	77.8	10 -145	
13C-PCB-19	67.7	5 -145		13C-PCB-202	62.0	10 -145	
13C-PCB-28	72.1	5 -145		13C-PCB-206	93.6	10 -145	
13C-PCB-32	68.2	5 -145		13C-PCB-208	79.3	10 -145	
13C-PCB-37	78.1	5 -145		13C-PCB-209	104	10 -145	
13C-PCB-47	69.3	5 -145		CRS 13C-PCB-79	92.4	10 -145	
13C-PCB-52	70.6	5 -145		13C-PCB-178	81.9	10 -145	
13C-PCB-54	64.4	5 -145					
13C-PCB-70	78.9	5 -145					
13C-PCB-77	92.7	10 -145					
13C-PCB-80	77.3	10 -145					
13C-PCB-81	87.7	10 -145					
13C-PCB-95	73.9	10 -145					
13C-PCB-97	79.5	10 -145					
13C-PCB-101	77.3	10 -145					
13C-PCB-104	71.2	10 -145					
13C-PCB-105	61.9	10 -145					
13C-PCB-114	63.0	10 -145					
13C-PCB-118	86.4	10 -145					
13C-PCB-123	90.4	10 -145					
13C-PCB-126	71.8	10 -145					
13C-PCB-127	66.7	10 -145					
13C-PCB-138	76.7	10 -145					
13C-PCB-141	76.3	10 -145					
13C-PCB-153	74.5	10 -145					
13C-PCB-155	60.4	10 -145					
13C-PCB-156	85.8	10 -145					
13C-PCB-157	86.7	10 -145					
13C-PCB-159	80.4	10 -145					
13C-PCB-167	82.7	10 -145					
13C-PCB-169	101	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05
Project:	Locher Road AR	Sample Size:	1.01 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:20			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 04:10 Column: ZB-1 Analyst: DMS
				Date Extracted:	05-Mar-2014 7:30

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	26.4				PCB-44	7.78			
PCB-2	ND	2.68			PCB-45	3.77			J
PCB-3	10.8				PCB-46	ND	2.22		
PCB-4/10	57.1				PCB-47	4.33			J
PCB-5/8	142				PCB-48/75	3.62			J
PCB-6	23.3				PCB-50	ND	1.86		
PCB-7/9	12.6			J	PCB-51	ND	1.66		
PCB-11	17.8			B	PCB-52/69	9.64			J
PCB-12/13	ND	9.04			PCB-53	ND	1.64		
PCB-14	ND	7.56			PCB-54	ND	1.40		
PCB-15	31.1				PCB-55	ND	1.30		
PCB-16/32	56.0				PCB-56/60	2.90			J
PCB-17	32.5				PCB-57	ND	1.22		
PCB-18	88.4				PCB-58	ND	1.29		
PCB-19	9.58				PCB-61/70	4.58			J
PCB-20/21/33	28.1				PCB-62	ND	1.40		
PCB-22	15.8				PCB-63	ND	1.25		
PCB-23	ND	1.75			PCB-65	ND	1.40		
PCB-24/27	7.22			J	PCB-67	ND	1.35		
PCB-25	ND		4.57		PCB-68	ND	1.26		
PCB-26	9.28				PCB-73	ND	1.34		
PCB-28	ND		31.8		PCB-74	ND	1.13		
PCB-29	ND	1.91			PCB-76/66	3.40			J
PCB-30	ND	1.07			PCB-77	ND	1.24		
PCB-31	41.7				PCB-78	ND	1.28		
PCB-34	ND	1.95			PCB-79	ND	1.38		
PCB-35	ND	1.98			PCB-80	ND	1.16		
PCB-36	ND	1.94			PCB-81	ND	1.11		
PCB-37	4.91			J	PCB-82	ND	3.53		
PCB-38	ND	1.85			PCB-83	ND	2.29		
PCB-39	ND	1.87			PCB-84/92	ND	3.19		
PCB-40	ND	2.39			PCB-85/116	ND	2.66		
PCB-41/64/71/72	7.79			J	PCB-86	ND	3.53		
PCB-42/59	3.48			J	PCB-87/117/125	ND	2.32		
PCB-43/49	8.03			J	PCB-88/91	ND	3.33		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	1.01 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 12:20			Date Analyzed :	11-Mar-14 04:10	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.28			PCB-136	ND	2.95		
PCB-90/101	ND	2.79			PCB-137	ND	1.84		
PCB-93	ND	3.25			PCB-138/163/164	ND	1.60		
PCB-94	ND	3.27			PCB-139/149	ND	3.61		
PCB-95/98/102	ND	3.05			PCB-140	ND	4.12		
PCB-96	ND	2.39			PCB-141	ND	1.98		
PCB-97	ND	2.85			PCB-144	ND	3.88		
PCB-99	ND	2.66			PCB-145	ND	2.67		
PCB-100	ND	2.58			PCB-146/165	ND	1.64		
PCB-103	ND	2.77			PCB-147	ND	3.77		
PCB-104	ND	2.03			PCB-148	ND	3.75		
PCB-105	ND	2.14			PCB-150	ND	2.75		
PCB-106/118	ND	2.15			PCB-151	ND	4.02		
PCB-107/109	ND	2.05			PCB-152	ND	2.68		
PCB-108/112	ND	2.76			PCB-153	ND	1.67		
PCB-110	ND		3.21		PCB-154	ND	3.49		
PCB-111/115	ND	2.05			PCB-155	ND	2.56		
PCB-113	ND	2.34			PCB-156	ND	1.39		
PCB-114	ND	2.15			PCB-157	ND	1.66		
PCB-119	ND	2.05			PCB-158/160	ND	1.54		
PCB-120	ND	2.00			PCB-159	ND	1.56		
PCB-121	ND	2.20			PCB-166	ND	1.51		
PCB-122	ND	2.39			PCB-167	ND	1.46		
PCB-123	ND	2.20			PCB-168	ND	1.45		
PCB-124	ND	1.96			PCB-169	ND	1.60		
PCB-126	ND	2.34			PCB-170	ND	1.28		
PCB-127	ND	2.27			PCB-171	ND	1.34		
PCB-128/162	ND	1.71			PCB-172	ND	1.50		
PCB-129	ND	2.27			PCB-173	ND	1.60		
PCB-130	ND	2.15			PCB-174	ND	1.33		
PCB-131	ND	2.24			PCB-175	ND	1.64		
PCB-132/161	ND	1.74			PCB-176	ND	1.19		
PCB-133/142	ND	2.14			PCB-177	ND	1.44		
PCB-134/143	ND	2.11			PCB-178	ND	1.74		
PCB-135	ND	4.15			PCB-179	ND	1.23		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05
Project:	Locher Road AR	Sample Size:	1.01 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:20			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 04:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.31			Total octaCB	ND	2.98		
PCB-181	ND	1.30			Total nonaCB	ND	2.63		
PCB-182/187	ND	1.52			DecaCB	ND	2.26		
PCB-183	ND	1.48			Total PCB	674			B
PCB-184	ND	1.28							
PCB-185	ND	1.34							
PCB-186	ND	1.20							
PCB-188	ND	1.10							
PCB-189	ND	0.972							
PCB-190	ND	0.913							
PCB-191	ND	1.09							
PCB-192	ND	1.15							
PCB-193	ND	1.07							
PCB-194	ND	2.72							
PCB-195	ND	2.73							
PCB-196/203	ND	2.65							
PCB-197	ND	2.07							
PCB-198	ND	2.98							
PCB-199	ND	2.77							
PCB-200	ND	2.15							
PCB-201	ND	2.03							
PCB-202	ND	2.06							
PCB-204	ND	2.18							
PCB-205	ND	2.26							
PCB-206	ND	2.63							
PCB-207	ND	1.30							
PCB-208	ND	1.25							
PCB-209	ND	2.26							
Total monoCB	37.2								
Total diCB	284			B					
Total triCB	294		330						
Total tetraCB	59.3								
Total pentaCB	ND		3.21	J					
Total hexaCB	ND	4.15							
Total heptaCB	ND	1.74							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05	Date Received:	28-Feb-2014 11:53		
Project:	Locher Road AR	Sample Size:	1.01 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30		
Date Collected:	27-Feb-2014 12:20			Date Analyzed :	11-Mar-14 04:10	Column:	ZB-1	Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	67.2	5 -145		13C-PCB-170	74.9	10 -145	
13C-PCB-3	73.7	5 -145		13C-PCB-180	70.4	10 -145	
13C-PCB-4	52.5	5 -145		13C-PCB-188	57.0	10 -145	
13C-PCB-11	66.2	5 -145		13C-PCB-189	70.9	10 -145	
13C-PCB-9	51.5	5 -145		13C-PCB-194	71.3	10 -145	
13C-PCB-19	63.9	5 -145		13C-PCB-202	54.2	10 -145	
13C-PCB-28	61.4	5 -145		13C-PCB-206	81.1	10 -145	
13C-PCB-32	66.5	5 -145		13C-PCB-208	76.4	10 -145	
13C-PCB-37	77.2	5 -145		13C-PCB-209	99.7	10 -145	
13C-PCB-47	64.8	5 -145		CRS 13C-PCB-79	87.6	10 -145	
13C-PCB-52	65.3	5 -145		13C-PCB-178	72.1	10 -145	
13C-PCB-54	58.0	5 -145					
13C-PCB-70	70.3	5 -145					
13C-PCB-77	85.7	10 -145					
13C-PCB-80	71.2	10 -145					
13C-PCB-81	79.2	10 -145					
13C-PCB-95	66.2	10 -145					
13C-PCB-97	73.2	10 -145					
13C-PCB-101	69.7	10 -145					
13C-PCB-104	64.8	10 -145					
13C-PCB-105	52.7	10 -145					
13C-PCB-114	51.5	10 -145					
13C-PCB-118	77.0	10 -145					
13C-PCB-123	79.4	10 -145					
13C-PCB-126	63.4	10 -145					
13C-PCB-127	57.0	10 -145					
13C-PCB-138	67.8	10 -145					
13C-PCB-141	68.2	10 -145					
13C-PCB-153	66.4	10 -145					
13C-PCB-155	55.4	10 -145					
13C-PCB-156	73.0	10 -145					
13C-PCB-157	74.1	10 -145					
13C-PCB-159	71.7	10 -145					
13C-PCB-167	73.8	10 -145					
13C-PCB-169	83.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.549			PCB-43/49	ND	0.556		
PCB-2	ND	0.627			PCB-44	ND	0.637		
PCB-3	ND	0.612			PCB-45	ND	0.624		
PCB-4/10	ND	2.74			PCB-46	ND	0.691		
PCB-5/8	ND	2.40			PCB-47	ND		0.889	
PCB-6	ND	2.42			PCB-48/75	ND	0.435		
PCB-7/9	ND	2.39			PCB-50	ND	0.539		
PCB-11	ND	2.37			PCB-51	ND	0.516		
PCB-12/13	ND	2.52			PCB-52/69	ND	0.472		
PCB-14	ND	2.11			PCB-53	ND	0.510		
PCB-15	ND	2.46			PCB-54	ND	0.406		
PCB-16/32	ND	0.380			PCB-55	ND	0.420		
PCB-17	ND	0.437			PCB-56/60	ND	0.445		
PCB-18	ND	0.470			PCB-57	ND	0.391		
PCB-19	ND	0.439			PCB-58	ND	0.414		
PCB-20/21/33	ND	0.559			PCB-61/70	ND	0.420		
PCB-22	ND	0.530			PCB-62	ND	0.439		
PCB-23	ND	0.520			PCB-63	ND	0.400		
PCB-24/27	ND	0.329			PCB-65	ND	0.436		
PCB-25	ND	0.571			PCB-67	ND	0.432		
PCB-26	ND	0.595			PCB-68	ND	0.394		
PCB-28	ND	0.500			PCB-73	ND	0.417		
PCB-29	ND	0.569			PCB-74	ND	0.364		
PCB-30	ND	0.292			PCB-76/66	ND	0.385		
PCB-31	ND	0.604			PCB-77	ND	0.371		
PCB-34	ND	0.579			PCB-78	ND	0.415		
PCB-35	ND	0.550			PCB-79	ND	0.447		
PCB-36	ND	0.541			PCB-80	ND	0.375		
PCB-37	ND	0.587			PCB-81	ND	0.362		
PCB-38	ND	0.516			PCB-82	ND	1.33		
PCB-39	ND	0.521			PCB-83	ND	0.825		
PCB-40	ND	0.747			PCB-84/92	ND	1.25		
PCB-41/64/71/72	ND	0.439			PCB-85/116	ND	0.959		
PCB-42/59	ND	0.477			PCB-86	ND	1.27		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.835			PCB-133/142	ND	0.622		
PCB-88/91	ND	1.31			PCB-134/143	ND	0.613		
PCB-89	ND	1.29			PCB-135	ND	1.40		
PCB-90/101	ND	1.10			PCB-136	ND	0.999		
PCB-93	ND	1.27			PCB-137	ND	0.584		
PCB-94	ND	1.28			PCB-138/163/164	ND	0.484		
PCB-95/98/102	ND	1.20			PCB-139/149	ND	1.22		
PCB-96	ND	0.949			PCB-140	ND	1.39		
PCB-97	ND	1.03			PCB-141	ND	0.627		
PCB-99	ND	1.04			PCB-144	ND	1.31		
PCB-100	ND	1.03			PCB-145	ND	0.904		
PCB-103	ND	1.10			PCB-146/165	ND	0.477		
PCB-104	ND	0.805			PCB-147	ND	1.28		
PCB-105	ND	0.723			PCB-148	ND	1.27		
PCB-106/118	ND	0.742			PCB-150	ND	0.929		
PCB-107/109	ND	0.772			PCB-151	ND	1.36		
PCB-108/112	ND	0.994			PCB-152	ND	0.908		
PCB-110	ND	0.780			PCB-153	ND	0.484		
PCB-111/115	ND	0.741			PCB-154	ND	1.18		
PCB-113	ND	0.918			PCB-155	ND	0.865		
PCB-114	ND	0.797			PCB-156	ND	0.451		
PCB-119	ND	0.739			PCB-157	ND	0.480		
PCB-120	ND	0.723			PCB-158/160	ND	0.467		
PCB-121	ND	0.861			PCB-159	ND	0.487		
PCB-122	ND	0.886			PCB-166	ND	0.472		
PCB-123	ND	0.828			PCB-167	ND	0.442		
PCB-124	ND	0.739			PCB-168	ND	0.420		
PCB-126	ND	0.838			PCB-169	ND	0.513		
PCB-127	ND	0.809			PCB-170	ND	0.402		
PCB-128/162	ND	0.535			PCB-171	ND	0.400		
PCB-129	ND	0.687			PCB-172	ND	0.447		
PCB-130	ND	0.681			PCB-173	ND	0.477		
PCB-131	ND	0.651			PCB-174	ND	0.398		
PCB-132/161	ND	0.504			PCB-175	ND	0.438		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4C0024	Lab Sample: B4C0024-BLK1
Sample Size: 10.0 g	Date Extracted: 06-Mar-2014 11:38	Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.319			Total triCB	ND	0.604		
PCB-177	ND	0.429			Total tetraCB	ND		0.889	
PCB-178	ND	0.464			Total pentaCB	ND	1.33		
PCB-179	ND	0.330			Total hexaCB	ND	1.40		
PCB-180	ND	0.391			Total heptaCB	ND	0.477		
PCB-181	ND	0.386			Total octaCB	ND	0.798		
PCB-182/187	ND	0.407			Total nonaCB	ND	0.589		
PCB-183	ND	0.396			DecaCB	ND	0.475		
PCB-184	ND	0.343			Total PCB	ND			
PCB-185	ND	0.399							
PCB-186	ND	0.320							
PCB-188	ND	0.294							
PCB-189	ND	0.261							
PCB-190	ND	0.287							
PCB-191	ND	0.326							
PCB-192	ND	0.342							
PCB-193	ND	0.318							
PCB-194	ND	0.560							
PCB-195	ND	0.562							
PCB-196/203	ND	0.711							
PCB-197	ND	0.556							
PCB-198	ND	0.798							
PCB-199	ND	0.742							
PCB-200	ND	0.576							
PCB-201	ND	0.544							
PCB-202	ND	0.552							
PCB-204	ND	0.586							
PCB-205	ND	0.466							
PCB-206	ND	0.589							
PCB-207	ND	0.318							
PCB-208	ND	0.307							
PCB-209	ND	0.475							
Total monoCB	ND	0.627							
Total diCB	ND	2.74							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	93.5	5-145		13C-PCB-157	96.9	10-145	
13C-PCB-3	94.4	5-145		13C-PCB-159	92.3	10-145	
13C-PCB-4	68.0	5-145		13C-PCB-167	97.5	10-145	
13C-PCB-11	74.4	5-145		13C-PCB-169	111	10-145	
13C-PCB-9	66.7	5-145		13C-PCB-170	101	10-145	
13C-PCB-19	84.7	5-145		13C-PCB-180	93.3	10-145	
13C-PCB-28	74.8	5-145		13C-PCB-188	75.5	10-145	
13C-PCB-32	79.9	5-145		13C-PCB-189	106	10-145	
13C-PCB-37	93.9	5-145		13C-PCB-194	94.3	10-145	
13C-PCB-47	81.5	5-145		13C-PCB-202	72.6	10-145	
13C-PCB-52	81.6	5-145		13C-PCB-206	118	10-145	
13C-PCB-54	78.0	5-145		13C-PCB-208	104	10-145	
13C-PCB-70	85.7	5-145		13C-PCB-209	131	10-145	
13C-PCB-77	105	10-145		CRS 13C-PCB-79	101	10-145	
13C-PCB-80	84.3	10-145		13C-PCB-178	93.1	10-145	
13C-PCB-81	97.4	10-145					
13C-PCB-95	82.1	10-145					
13C-PCB-97	93.6	10-145					
13C-PCB-101	87.2	10-145					
13C-PCB-104	82.3	10-145					
13C-PCB-105	72.1	10-145					
13C-PCB-114	69.5	10-145					
13C-PCB-118	98.7	10-145					
13C-PCB-123	102	10-145					
13C-PCB-126	82.7	10-145					
13C-PCB-127	78.0	10-145					
13C-PCB-138	88.7	10-145					
13C-PCB-141	91.7	10-145					
13C-PCB-153	87.9	10-145					
13C-PCB-155	68.7	10-145					
13C-PCB-156	96.9	10-145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BS1
Date Analyzed: 10-Mar-14 23:53 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	433	500	86.5	60 - 135	IS 13C-PCB-1	78.0	15 - 145
PCB-3	449	500	89.7	60 - 135	IS 13C-PCB-3	78.9	15 - 145
PCB-4/10	1970	2000	98.7	60 - 135	IS 13C-PCB-4	60.8	15 - 145
PCB-15	1030	1000	103	60 - 135	IS 13C-PCB-11	69.0	15 - 145
PCB-19	559	500	112	60 - 135	IS 13C-PCB-9	58.9	15 - 145
PCB-37	534	500	107	60 - 135	IS 13C-PCB-19	72.6	15 - 145
PCB-54	530	500	106	60 - 135	IS 13C-PCB-28	70.2	15 - 145
PCB-77	490	500	98.0	60 - 135	IS 13C-PCB-32	74.0	15 - 145
PCB-81	475	500	95.1	60 - 135	IS 13C-PCB-37	90.4	15 - 145
PCB-104	563	500	113	60 - 135	IS 13C-PCB-47	76.9	15 - 145
PCB-105	438	500	87.5	60 - 135	IS 13C-PCB-52	75.6	15 - 145
PCB-106/118	1100	1000	110	60 - 135	IS 13C-PCB-54	68.3	15 - 145
PCB-114	457	500	91.4	60 - 135	IS 13C-PCB-70	79.9	15 - 145
PCB-126	436	500	87.3	60 - 135	IS 13C-PCB-77	99.3	40 - 145
PCB-155	550	500	110	60 - 135	IS 13C-PCB-80	79.6	40 - 145
PCB-156	457	500	91.5	60 - 135	IS 13C-PCB-81	94.6	40 - 145
PCB-157	463	500	92.6	60 - 135	IS 13C-PCB-95	78.2	40 - 145
PCB-167	463	500	92.6	60 - 135	IS 13C-PCB-97	84.6	40 - 145
PCB-169	448	500	89.6	60 - 135	IS 13C-PCB-101	80.4	40 - 145
PCB-188	539	500	108	60 - 135	IS 13C-PCB-104	75.9	40 - 145
PCB-189	515	500	103	60 - 135	IS 13C-PCB-105	74.1	40 - 145
PCB-202	541	500	108	60 - 135	IS 13C-PCB-114	69.7	40 - 145
PCB-205	446	500	89.1	60 - 135	IS 13C-PCB-118	90.2	40 - 145
PCB-206	474	500	94.9	60 - 135	IS 13C-PCB-123	94.8	40 - 145
PCB-208	474	500	94.9	60 - 135	IS 13C-PCB-126	82.6	40 - 145
PCB-209	496	500	99.1	60 - 135	IS 13C-PCB-127	73.4	40 - 145
					IS 13C-PCB-138	85.1	40 - 145
					IS 13C-PCB-141	86.5	40 - 145
					IS 13C-PCB-153	82.0	40 - 145
					IS 13C-PCB-155	64.4	40 - 145
					IS 13C-PCB-156	90.5	40 - 145
					IS 13C-PCB-157	93.9	40 - 145
					IS 13C-PCB-159	88.6	40 - 145
					IS 13C-PCB-167	91.0	40 - 145
					IS 13C-PCB-169	107	40 - 145
					IS 13C-PCB-170	95.8	40 - 145
					IS 13C-PCB-180	90.0	40 - 145
					IS 13C-PCB-188	73.0	40 - 145
					IS 13C-PCB-189	92.5	40 - 145
					IS 13C-PCB-194	92.0	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BS1
Date Analyzed: 10-Mar-14 23:53 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	67.5	40 - 145
					IS 13C-PCB-206	106	40 - 145
					IS 13C-PCB-208	96.5	40 - 145
					IS 13C-PCB-209	122	40 - 145
					CRS 13C-PCB-79	94.1	40 - 145
					CRS 13C-PCB-178	83.7	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06
Project:	Locher Road AR	Sample Size:	14.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 05:14 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.852			PCB-44	20.8			
PCB-2	ND	0.983			PCB-45	2.93			
PCB-3	0.822			J	PCB-46	1.25			J
PCB-4/10	ND	2.70			PCB-47	6.68			
PCB-5/8	3.18			J	PCB-48/75	3.58			J
PCB-6	ND	2.40			PCB-50	ND	0.729		
PCB-7/9	ND	2.37			PCB-51	0.532			J
PCB-11	3.77			J	PCB-52/69	24.8			
PCB-12/13	ND	2.39			PCB-53	ND		1.77	
PCB-14	ND	2.00			PCB-54	ND	0.548		
PCB-15	8.73				PCB-55	ND	0.493		
PCB-16/32	5.01			J	PCB-56/60	19.6			
PCB-17	5.53				PCB-57	ND	0.486		
PCB-18	13.6				PCB-58	ND	0.515		
PCB-19	1.02			J	PCB-61/70	33.3			
PCB-20/21/33	ND		5.65		PCB-62	ND	0.582		
PCB-22	9.27				PCB-63	1.33			J
PCB-23	ND	0.807			PCB-65	ND	0.579		
PCB-24/27	1.35			J	PCB-67	0.967			J
PCB-25	ND		1.38		PCB-68	0.502			J
PCB-26	3.09				PCB-73	ND	0.543		
PCB-28	16.0				PCB-74	11.3			
PCB-29	ND	0.883			PCB-76/66	21.8			
PCB-30	ND	0.401			PCB-77	3.49			
PCB-31	20.2				PCB-78	ND	0.505		
PCB-34	ND	0.898			PCB-79	1.02			J
PCB-35	ND	0.797			PCB-80	ND	0.440		
PCB-36	ND	0.784			PCB-81	ND	0.440		
PCB-37	11.8				PCB-82	5.20			
PCB-38	0.589			J	PCB-83	ND	1.02		
PCB-39	ND	0.755			PCB-84/92	18.4			
PCB-40	3.19				PCB-85/116	11.0			
PCB-41/64/71/72	17.4				PCB-86	ND	1.58		
PCB-42/59	6.35				PCB-87/117/125	18.0			
PCB-43/49	18.0				PCB-88/91	6.77			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06
Project:	Locher Road AR	Sample Size:	14.1 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 05:14
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.41			PCB-136	5.39			
PCB-90/101	50.1				PCB-137	3.13			
PCB-93	ND	1.51			PCB-138/163/164	52.0			
PCB-94	ND	1.53			PCB-139/149	36.5			
PCB-95/98/102	30.3				PCB-140	ND	1.69		
PCB-96	ND	1.13			PCB-141	7.67			
PCB-97	14.2				PCB-144	ND		1.41	
PCB-99	25.6				PCB-145	ND	1.10		
PCB-100	ND	1.22			PCB-146/165	5.43			
PCB-103	ND	1.31			PCB-147	1.11			J
PCB-104	ND	0.959			PCB-148	ND	1.54		
PCB-105	19.6				PCB-150	ND	1.13		
PCB-106/118	55.3				PCB-151	8.60			
PCB-107/109	4.22			J	PCB-152	ND	1.10		
PCB-108/112	1.89			J	PCB-153	40.8			
PCB-110	56.2				PCB-154	ND	1.43		
PCB-111/115	0.895			J	PCB-155	ND	1.05		
PCB-113	ND	1.01			PCB-156	5.81			
PCB-114	0.838			J	PCB-157	1.98			J
PCB-119	ND	0.914			PCB-158/160	5.83			
PCB-120	ND	0.895			PCB-159	ND	0.720		
PCB-121	ND	1.03			PCB-166	ND	0.698		
PCB-122	0.440			J	PCB-167	2.82			
PCB-123	1.51			J	PCB-168	ND	0.713		
PCB-124	2.16			J	PCB-169	ND	0.717		
PCB-126	ND	1.18			PCB-170	10.7			
PCB-127	ND	1.14			PCB-171	2.00			J
PCB-128/162	9.35				PCB-172	2.04			J
PCB-129	2.06			J	PCB-173	ND	0.650		
PCB-130	3.23				PCB-174	9.02			
PCB-131	ND	1.11			PCB-175	ND	0.679		
PCB-132/161	10.5				PCB-176	1.07			J
PCB-133/142	ND		1.40		PCB-177	6.00			
PCB-134/143	1.84			J	PCB-178	3.64			
PCB-135	6.22				PCB-179	4.87			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	14.1 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	Date Analyzed :	11-Mar-14 05:14	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	22.4				Total octaCB	31.3		47.6	
PCB-181	ND	0.526			Total nonaCB	27.6			
PCB-182/187	19.5				DecaCB	22.2			
PCB-183	6.41				Total PCB	1010			
PCB-184	ND	0.531							
PCB-185	1.32			J					
PCB-186	ND	0.496							
PCB-188	ND	0.455							
PCB-189	0.741			J					
PCB-190	2.27			J					
PCB-191	ND	0.445							
PCB-192	ND	0.465							
PCB-193	1.31			J					
PCB-194	7.11								
PCB-195	ND		1.89						
PCB-196/203	15.3								
PCB-197	ND	0.754							
PCB-198	ND	1.08							
PCB-199	ND		14.4						
PCB-200	1.76			J					
PCB-201	1.94			J					
PCB-202	5.25								
PCB-204	ND	0.794							
PCB-205	ND	0.738							
PCB-206	17.6								
PCB-207	2.14			J					
PCB-208	7.89								
PCB-209	22.2								
Total monoCB	0.822			J					
Total diCB	15.7								
Total triCB	87.5		94.6						
Total tetraCB	199		201						
Total pentaCB	323								
Total hexaCB	210		213						
Total heptaCB	93.3								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06	Date Received:	28-Feb-2014 11:53		
Project:	Locher Road AR	Sample Size:	14.1 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38		
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	Date Analyzed :	11-Mar-14 05:14	Column:	ZB-1	Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	94.8	5 -145		13C-PCB-170	109	10 -145	
13C-PCB-3	108	5 -145		13C-PCB-180	101	10 -145	
13C-PCB-4	72.4	5 -145		13C-PCB-188	78.8	10 -145	
13C-PCB-11	84.7	5 -145		13C-PCB-189	109	10 -145	
13C-PCB-9	73.7	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	91.5	5 -145		13C-PCB-202	76.7	10 -145	
13C-PCB-28	93.1	5 -145		13C-PCB-206	123	10 -145	
13C-PCB-32	93.6	5 -145		13C-PCB-208	107	10 -145	
13C-PCB-37	115	5 -145		13C-PCB-209	140	10 -145	
13C-PCB-47	85.5	5 -145		CRS 13C-PCB-79	110	10 -145	
13C-PCB-52	88.6	5 -145		13C-PCB-178	94.1	10 -145	
13C-PCB-54	78.5	5 -145					
13C-PCB-70	93.1	5 -145					
13C-PCB-77	113	10 -145					
13C-PCB-80	93.8	10 -145					
13C-PCB-81	107	10 -145					
13C-PCB-95	87.9	10 -145					
13C-PCB-97	98.6	10 -145					
13C-PCB-101	93.4	10 -145					
13C-PCB-104	87.9	10 -145					
13C-PCB-105	70.3	10 -145					
13C-PCB-114	73.4	10 -145					
13C-PCB-118	106	10 -145					
13C-PCB-123	113	10 -145					
13C-PCB-126	86.5	10 -145					
13C-PCB-127	79.4	10 -145					
13C-PCB-138	92.3	10 -145					
13C-PCB-141	93.3	10 -145					
13C-PCB-153	89.8	10 -145					
13C-PCB-155	74.9	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	108	10 -145					
13C-PCB-159	100	10 -145					
13C-PCB-167	104	10 -145					
13C-PCB-169	123	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 06:19 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.548			PCB-44	1.41			J
PCB-2	ND	0.624			PCB-45	ND	0.738		
PCB-3	ND	0.610			PCB-46	ND	0.818		
PCB-4/10	ND	3.07			PCB-47	0.918			J
PCB-5/8	ND	2.62			PCB-48/75	ND	0.492		
PCB-6	ND	2.63			PCB-50	ND	0.660		
PCB-7/9	ND	2.60			PCB-51	ND	0.611		
PCB-11	2.36			J	PCB-52/69	2.05			J
PCB-12/13	ND	2.76			PCB-53	ND	0.604		
PCB-14	ND	2.31			PCB-54	ND	0.497		
PCB-15	ND	2.70			PCB-55	ND	0.468		
PCB-16/32	ND	0.659			PCB-56/60	ND		0.866	
PCB-17	ND	0.489			PCB-57	ND	0.437		
PCB-18	ND	0.781			PCB-58	ND	0.462		
PCB-19	ND	0.535			PCB-61/70	2.76			J
PCB-20/21/33	0.599			J	PCB-62	ND	0.496		
PCB-22	ND	0.647			PCB-63	ND	0.447		
PCB-23	ND	0.636			PCB-65	ND	0.493		
PCB-24/27	ND	0.369			PCB-67	ND	0.483		
PCB-25	ND	0.697			PCB-68	ND	0.446		
PCB-26	ND	0.727			PCB-73	ND	0.493		
PCB-28	ND		0.754		PCB-74	0.529			J
PCB-29	ND	0.695			PCB-76/66	1.47			J
PCB-30	ND	0.357			PCB-77	ND	0.434		
PCB-31	1.10			J	PCB-78	ND	0.447		
PCB-34	ND	0.707			PCB-79	ND	0.499		
PCB-35	ND	0.752			PCB-80	ND	0.419		
PCB-36	ND	0.739			PCB-81	ND	0.389		
PCB-37	0.800			J	PCB-82	ND	1.42		
PCB-38	ND	0.705			PCB-83	ND	0.944		
PCB-39	ND	0.713			PCB-84/92	1.96			J
PCB-40	ND	0.845			PCB-85/116	1.45			J
PCB-41/64/71/72	1.18			J	PCB-86	ND	1.46		
PCB-42/59	ND	0.540			PCB-87/117/125	2.57			J
PCB-43/49	ND		1.27		PCB-88/91	1.21			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 06:19 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.34			PCB-136	ND	1.05		
PCB-90/101	6.52				PCB-137	ND	0.704		
PCB-93	ND	1.31			PCB-138/163/164	8.07			
PCB-94	ND	1.32			PCB-139/149	ND		5.31	
PCB-95/98/102	3.34			J	PCB-140	ND	1.47		
PCB-96	ND	1.05			PCB-141	1.10			J
PCB-97	1.93			J	PCB-144	ND	1.38		
PCB-99	3.53				PCB-145	ND	0.951		
PCB-100	ND	1.13			PCB-146/165	0.865			J
PCB-103	ND	1.21			PCB-147	ND	1.34		
PCB-104	ND	0.886			PCB-148	ND	1.33		
PCB-105	2.47				PCB-150	ND	0.977		
PCB-106/118	7.10				PCB-151	1.68			J
PCB-107/109	ND	0.823			PCB-152	ND	0.955		
PCB-108/112	ND	1.14			PCB-153	6.51			
PCB-110	7.83				PCB-154	ND	1.24		
PCB-111/115	ND	0.848			PCB-155	ND	0.910		
PCB-113	ND	0.953			PCB-156	0.846			J
PCB-114	ND	0.831			PCB-157	ND		0.339	
PCB-119	ND	0.845			PCB-158/160	0.898			J
PCB-120	ND	0.828			PCB-159	ND	0.575		
PCB-121	ND	0.887			PCB-166	ND	0.558		
PCB-122	ND	0.924			PCB-167	0.475			J
PCB-123	ND	0.883			PCB-168	ND	0.556		
PCB-124	ND	0.787			PCB-169	ND	0.540		
PCB-126	ND	0.893			PCB-170	1.62			J
PCB-127	ND	0.926			PCB-171	ND	0.546		
PCB-128/162	1.29			J	PCB-172	ND	0.610		
PCB-129	ND	0.896			PCB-173	ND	0.651		
PCB-130	ND	0.821			PCB-174	1.70			J
PCB-131	ND	0.863			PCB-175	ND	0.596		
PCB-132/161	1.68			J	PCB-176	ND	0.433		
PCB-133/142	ND	0.824			PCB-177	0.902			J
PCB-134/143	ND	0.812			PCB-178	ND	0.631		
PCB-135	1.12			J	PCB-179	0.867			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 06:19 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	3.48				Total octaCB	6.46			
PCB-181	ND	0.527			Total nonaCB	2.75			
PCB-182/187	3.26			J	DecaCB	3.38			
PCB-183	0.898			J	Total PCB	105			
PCB-184	ND	0.465							
PCB-185	ND	0.544							
PCB-186	ND	0.435							
PCB-188	ND	0.399							
PCB-189	ND	0.348							
PCB-190	ND		0.359						
PCB-191	ND	0.445							
PCB-192	ND	0.466							
PCB-193	ND	0.434							
PCB-194	1.15			J					
PCB-195	ND	0.830							
PCB-196/203	2.28			J					
PCB-197	ND	0.771							
PCB-198	ND	1.11							
PCB-199	2.43			J					
PCB-200	ND	0.799							
PCB-201	ND	0.754							
PCB-202	0.603			J					
PCB-204	ND	0.813							
PCB-205	ND	0.688							
PCB-206	1.87			J					
PCB-207	ND	0.468							
PCB-208	0.882			J					
PCB-209	3.38								
Total monoCB	ND	0.624							
Total diCB	2.36			J					
Total triCB	2.50		3.26						
Total tetraCB	10.3		12.5						
Total pentaCB	39.9								
Total hexaCB	24.5		30.2						
Total heptaCB	12.7		13.1						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07
Project:	Locher Road AR	Sample Size:	12.5 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	Date Received:	28-Feb-2014 11:53
				Date Extracted:	06-Mar-2014 11:38
				Date Analyzed :	11-Mar-14 06:19 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	93.8	5 -145		13C-PCB-170	112	10 -145	
13C-PCB-3	106	5 -145		13C-PCB-180	102	10 -145	
13C-PCB-4	69.4	5 -145		13C-PCB-188	81.6	10 -145	
13C-PCB-11	79.8	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	69.5	5 -145		13C-PCB-194	96.5	10 -145	
13C-PCB-19	90.8	5 -145		13C-PCB-202	79.7	10 -145	
13C-PCB-28	91.7	5 -145		13C-PCB-206	116	10 -145	
13C-PCB-32	89.1	5 -145		13C-PCB-208	102	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	139	10 -145	
13C-PCB-47	86.2	5 -145		CRS 13C-PCB-79	106	10 -145	
13C-PCB-52	84.8	5 -145		13C-PCB-178	98.2	10 -145	
13C-PCB-54	75.3	5 -145					
13C-PCB-70	91.3	5 -145					
13C-PCB-77	110	10 -145					
13C-PCB-80	91.1	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	86.7	10 -145					
13C-PCB-97	95.1	10 -145					
13C-PCB-101	91.7	10 -145					
13C-PCB-104	85.0	10 -145					
13C-PCB-105	72.2	10 -145					
13C-PCB-114	72.0	10 -145					
13C-PCB-118	103	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	84.1	10 -145					
13C-PCB-127	77.4	10 -145					
13C-PCB-138	94.6	10 -145					
13C-PCB-141	94.1	10 -145					
13C-PCB-153	90.7	10 -145					
13C-PCB-155	74.9	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	108	10 -145					
13C-PCB-159	100	10 -145					
13C-PCB-167	103	10 -145					
13C-PCB-169	127	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 07:23 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.822			PCB-44	1.22			J
PCB-2	ND	0.896			PCB-45	ND	0.740		
PCB-3	ND	0.876			PCB-46	ND	0.819		
PCB-4/10	ND	3.11			PCB-47	1.13			J
PCB-5/8	ND	2.72			PCB-48/75	ND	0.538		
PCB-6	ND	2.73			PCB-50	ND	0.679		
PCB-7/9	ND	2.70			PCB-51	ND	0.612		
PCB-11	ND	2.70			PCB-52/69	1.80			J
PCB-12/13	ND	2.87			PCB-53	ND	0.605		
PCB-14	ND	2.40			PCB-54	ND	0.511		
PCB-15	ND	2.80			PCB-55	ND	0.500		
PCB-16/32	ND	0.636			PCB-56/60	2.07			J
PCB-17	ND	0.519			PCB-57	ND	0.476		
PCB-18	1.13			J	PCB-58	ND	0.504		
PCB-19	ND	0.553			PCB-61/70	3.49			J
PCB-20/21/33	0.596			J	PCB-62	ND	0.542		
PCB-22	ND		0.554		PCB-63	ND	0.487		
PCB-23	ND	0.673			PCB-65	ND	0.539		
PCB-24/27	ND	0.391			PCB-67	ND	0.526		
PCB-25	ND	0.738			PCB-68	ND	0.487		
PCB-26	ND	0.769			PCB-73	ND	0.494		
PCB-28	2.30			J	PCB-74	1.20			J
PCB-29	ND	0.736			PCB-76/66	2.57			J
PCB-30	ND	0.368			PCB-77	ND	0.468		
PCB-31	1.95			J	PCB-78	ND	0.481		
PCB-34	ND	0.749			PCB-79	ND	0.533		
PCB-35	ND	0.769			PCB-80	ND	0.447		
PCB-36	ND	0.756			PCB-81	ND	0.419		
PCB-37	1.41			J	PCB-82	ND	1.33		
PCB-38	ND	0.721			PCB-83	ND	0.917		
PCB-39	ND	0.729			PCB-84/92	1.86			J
PCB-40	ND	0.923			PCB-85/116	1.27			J
PCB-41/64/71/72	0.988			J	PCB-86	ND	1.42		
PCB-42/59	ND	0.589			PCB-87/117/125	1.94			J
PCB-43/49	1.64			J	PCB-88/91	ND	1.32		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.9 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	Date Analyzed :	11-Mar-14 07:23	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.31			PCB-136	ND	1.14		
PCB-90/101	4.89			J	PCB-137	ND	0.819		
PCB-93	ND	1.29			PCB-138/163/164	6.45			J
PCB-94	ND	1.30			PCB-139/149	3.90			
PCB-95/98/102	2.20			J	PCB-140	ND	1.59		
PCB-96	ND	1.03			PCB-141	1.09			J
PCB-97	1.62			J	PCB-144	ND	1.49		
PCB-99	2.02			J	PCB-145	ND	1.03		
PCB-100	ND	1.12			PCB-146/165	0.691			J
PCB-103	ND	1.20			PCB-147	ND	1.45		
PCB-104	ND	0.876			PCB-148	ND	1.44		
PCB-105	2.42			J	PCB-150	ND	1.06		
PCB-106/118	6.26				PCB-151	ND	1.55		
PCB-107/109	ND	0.775			PCB-152	ND	1.03		
PCB-108/112	ND	1.11			PCB-153	4.94			
PCB-110	5.49				PCB-154	ND	1.34		
PCB-111/115	ND	0.825			PCB-155	ND	0.984		
PCB-113	ND	0.932			PCB-156	0.822			J
PCB-114	ND	0.891			PCB-157	ND	0.624		
PCB-119	ND	0.822			PCB-158/160	0.922			J
PCB-120	ND	0.805			PCB-159	ND	0.597		
PCB-121	ND	0.872			PCB-166	ND	0.579		
PCB-122	ND	0.991			PCB-167	0.313			J
PCB-123	ND	0.832			PCB-168	ND	0.603		
PCB-124	ND	0.741			PCB-169	ND	0.567		
PCB-126	ND	0.892			PCB-170	1.51			J
PCB-127	ND	0.956			PCB-171	ND	0.559		
PCB-128/162	1.35			J	PCB-172	ND	0.624		
PCB-129	ND	0.888			PCB-173	ND	0.666		
PCB-130	ND	0.955			PCB-174	1.42			J
PCB-131	ND	0.936			PCB-175	ND	0.653		
PCB-132/161	ND		0.851		PCB-176	ND	0.475		
PCB-133/142	ND	0.894			PCB-177	ND		0.540	
PCB-134/143	ND	0.881			PCB-178	ND	0.691		
PCB-135	1.12			J	PCB-179	0.823			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 07:23
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	3.45				Total octaCB	4.14			
PCB-181	ND	0.539			Total nonaCB	0.805		2.73	
PCB-182/187	2.34			J	DecaCB	2.36			J
PCB-183	ND		0.697		Total PCB	91.9			
PCB-184	ND	0.510							
PCB-185	ND	0.557							
PCB-186	ND	0.477							
PCB-188	ND	0.437							
PCB-189	ND	0.357							
PCB-190	ND	0.377							
PCB-191	ND	0.455							
PCB-192	ND	0.477							
PCB-193	ND	0.444							
PCB-194	1.05			J					
PCB-195	ND	0.845							
PCB-196/203	1.56			J					
PCB-197	ND	0.787							
PCB-198	ND	1.13							
PCB-199	1.53			J					
PCB-200	ND	0.816							
PCB-201	ND	0.770							
PCB-202	ND	0.781							
PCB-204	ND	0.829							
PCB-205	ND	0.701							
PCB-206	ND		1.93						
PCB-207	ND	0.474							
PCB-208	0.805			J					
PCB-209	2.36			J					
Total monoCB	ND	0.896							
Total diCB	ND	3.11							
Total triCB	7.39		7.94						
Total tetraCB	16.1								
Total pentaCB	30.0								
Total hexaCB	21.6		22.4						
Total heptaCB	9.53		10.8						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.9 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	Date Analyzed :	11-Mar-14 07:23	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	98.6	5 -145		13C-PCB-170	110	10 -145	
13C-PCB-3	107	5 -145		13C-PCB-180	100	10 -145	
13C-PCB-4	69.7	5 -145		13C-PCB-188	76.4	10 -145	
13C-PCB-11	77.7	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	68.7	5 -145		13C-PCB-194	96.0	10 -145	
13C-PCB-19	92.8	5 -145		13C-PCB-202	79.5	10 -145	
13C-PCB-28	79.7	5 -145		13C-PCB-206	117	10 -145	
13C-PCB-32	89.5	5 -145		13C-PCB-208	107	10 -145	
13C-PCB-37	97.3	5 -145		13C-PCB-209	145	10 -145	
13C-PCB-47	83.7	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	82.7	5 -145		13C-PCB-178	94.6	10 -145	
13C-PCB-54	72.1	5 -145					
13C-PCB-70	86.4	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	87.9	10 -145					
13C-PCB-81	102	10 -145					
13C-PCB-95	84.5	10 -145					
13C-PCB-97	94.7	10 -145					
13C-PCB-101	90.7	10 -145					
13C-PCB-104	83.4	10 -145					
13C-PCB-105	65.6	10 -145					
13C-PCB-114	67.9	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	82.5	10 -145					
13C-PCB-127	70.0	10 -145					
13C-PCB-138	92.8	10 -145					
13C-PCB-141	88.9	10 -145					
13C-PCB-153	84.5	10 -145					
13C-PCB-155	74.9	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	106	10 -145					
13C-PCB-159	96.6	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	125	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09
Project:	Locher Road AR	Sample Size:	13.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 08:27 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.415			PCB-44	ND	0.840		
PCB-2	ND	0.467			PCB-45	ND	0.833		
PCB-3	ND		0.253		PCB-46	ND	0.923		
PCB-4/10	ND	2.82			PCB-47	ND	0.710		
PCB-5/8	ND	2.48			PCB-48/75	ND	0.574		
PCB-6	ND	2.49			PCB-50	ND	0.743		
PCB-7/9	ND	2.46			PCB-51	ND	0.689		
PCB-11	ND	2.55			PCB-52/69	ND	0.631		
PCB-12/13	ND	2.71			PCB-53	ND	0.682		
PCB-14	ND	2.27			PCB-54	ND	0.559		
PCB-15	ND	2.65			PCB-55	ND	0.536		
PCB-16/32	ND	0.524			PCB-56/60	ND	0.568		
PCB-17	ND	0.603			PCB-57	ND	0.484		
PCB-18	ND	0.649			PCB-58	ND	0.512		
PCB-19	ND	0.641			PCB-61/70	ND		0.451	
PCB-20/21/33	ND	0.705			PCB-62	ND	0.578		
PCB-22	ND	0.669			PCB-63	ND	0.495		
PCB-23	ND	0.657			PCB-65	ND	0.575		
PCB-24/27	ND	0.455			PCB-67	ND	0.535		
PCB-25	ND	0.720			PCB-68	ND	0.519		
PCB-26	ND	0.751			PCB-73	ND	0.556		
PCB-28	ND	0.631			PCB-74	ND	0.450		
PCB-29	ND	0.718			PCB-76/66	ND	0.476		
PCB-30	ND	0.427			PCB-77	ND	0.476		
PCB-31	ND	0.762			PCB-78	ND	0.522		
PCB-34	ND	0.731			PCB-79	ND	0.572		
PCB-35	ND	0.767			PCB-80	ND	0.479		
PCB-36	ND	0.753			PCB-81	ND	0.455		
PCB-37	ND	0.818			PCB-82	ND	1.01		
PCB-38	ND	0.719			PCB-83	ND	0.680		
PCB-39	ND	0.726			PCB-84/92	ND	0.979		
PCB-40	ND	0.984			PCB-85/116	ND	0.791		
PCB-41/64/71/72	ND	0.579			PCB-86	ND	1.05		
PCB-42/59	ND	0.629			PCB-87/117/125	ND	0.689		
PCB-43/49	ND	0.743			PCB-88/91	ND	1.00		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09
Project:	Locher Road AR	Sample Size:	13.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 08:27 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.01			PCB-136	ND	1.01		
PCB-90/101	ND	0.842			PCB-137	ND	0.685		
PCB-93	ND	0.976			PCB-138/163/164	ND		1.63	
PCB-94	ND	0.984			PCB-139/149	ND	1.23		
PCB-95/98/102	ND	0.917			PCB-140	ND	1.40		
PCB-96	ND	0.789			PCB-141	ND	0.736		
PCB-97	ND	0.848			PCB-144	ND	1.32		
PCB-99	ND	0.803			PCB-145	ND	0.910		
PCB-100	ND	0.853			PCB-146/165	ND	0.581		
PCB-103	ND	0.916			PCB-147	ND	1.28		
PCB-104	ND	0.669			PCB-148	ND	1.28		
PCB-105	ND	0.756			PCB-150	ND	0.935		
PCB-106/118	0.557			J	PCB-151	ND	1.37		
PCB-107/109	ND	0.587			PCB-152	ND	0.913		
PCB-108/112	ND	0.819			PCB-153	1.50			J
PCB-110	0.665			J	PCB-154	ND	1.19		
PCB-111/115	ND	0.611			PCB-155	ND	0.871		
PCB-113	ND	0.717			PCB-156	ND	0.515		
PCB-114	ND	0.914			PCB-157	ND	0.545		
PCB-119	ND	0.609			PCB-158/160	ND	0.553		
PCB-120	ND	0.596			PCB-159	ND	0.563		
PCB-121	ND	0.660			PCB-166	ND	0.546		
PCB-122	ND	1.02			PCB-167	ND	0.525		
PCB-123	ND	0.629			PCB-168	ND	0.512		
PCB-124	ND	0.561			PCB-169	ND	0.497		
PCB-126	ND	0.872			PCB-170	ND		0.503	
PCB-127	ND	0.970			PCB-171	ND	0.496		
PCB-128/162	ND	0.620			PCB-172	ND	0.553		
PCB-129	ND	0.814			PCB-173	ND	0.591		
PCB-130	ND	0.799			PCB-174	ND		0.657	
PCB-131	ND	0.794			PCB-175	ND	0.586		
PCB-132/161	ND	0.615			PCB-176	ND	0.426		
PCB-133/142	ND	0.758			PCB-177	ND		0.382	
PCB-134/143	ND	0.747			PCB-178	ND	0.620		
PCB-135	ND	1.41			PCB-179	ND	0.440		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09
Project:	Locher Road AR	Sample Size:	13.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 08:27 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1.36			J	Total octaCB	ND	1.25		
PCB-181	ND	0.478			Total nonaCB	ND	0.998		
PCB-182/187	1.39			J	DecaCB	0.944			J
PCB-183	ND	0.529			Total PCB	6.42			
PCB-184	ND	0.458							
PCB-185	ND	0.494							
PCB-186	ND	0.428							
PCB-188	ND	0.392							
PCB-189	ND	0.344							
PCB-190	ND	0.367							
PCB-191	ND	0.404							
PCB-192	ND	0.423							
PCB-193	ND	0.394							
PCB-194	ND	1.00							
PCB-195	ND	1.00							
PCB-196/203	ND	1.19							
PCB-197	ND	0.760							
PCB-198	ND	1.09							
PCB-199	ND	1.25							
PCB-200	ND	0.788							
PCB-201	ND	0.743							
PCB-202	ND	0.755							
PCB-204	ND	0.801							
PCB-205	ND	0.833							
PCB-206	ND	0.998							
PCB-207	ND	0.494							
PCB-208	ND	0.224							
PCB-209	0.944			J					
Total monoCB	ND		0.253	J					
Total diCB	ND	2.82							
Total triCB	ND	0.818							
Total tetraCB	ND		0.451	J					
Total pentaCB	1.22			J					
Total hexaCB	1.50		3.13						
Total heptaCB	2.75		4.29						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	13.1 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	Date Analyzed :	11-Mar-14 08:27	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	98.6	5 -145		13C-PCB-170	111	10 -145	
13C-PCB-3	103	5 -145		13C-PCB-180	100	10 -145	
13C-PCB-4	67.6	5 -145		13C-PCB-188	78.7	10 -145	
13C-PCB-11	75.2	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	66.9	5 -145		13C-PCB-194	92.5	10 -145	
13C-PCB-19	87.8	5 -145		13C-PCB-202	79.1	10 -145	
13C-PCB-28	92.9	5 -145		13C-PCB-206	121	10 -145	
13C-PCB-32	87.3	5 -145		13C-PCB-208	104	10 -145	
13C-PCB-37	98.9	5 -145		13C-PCB-209	142	10 -145	
13C-PCB-47	83.4	5 -145		CRS 13C-PCB-79	109	10 -145	
13C-PCB-52	83.0	5 -145		13C-PCB-178	97.8	10 -145	
13C-PCB-54	72.1	5 -145					
13C-PCB-70	90.6	5 -145					
13C-PCB-77	108	10 -145					
13C-PCB-80	87.2	10 -145					
13C-PCB-81	104	10 -145					
13C-PCB-95	81.8	10 -145					
13C-PCB-97	91.3	10 -145					
13C-PCB-101	88.3	10 -145					
13C-PCB-104	79.9	10 -145					
13C-PCB-105	67.3	10 -145					
13C-PCB-114	66.2	10 -145					
13C-PCB-118	100	10 -145					
13C-PCB-123	106	10 -145					
13C-PCB-126	85.1	10 -145					
13C-PCB-127	71.3	10 -145					
13C-PCB-138	91.1	10 -145					
13C-PCB-141	91.0	10 -145					
13C-PCB-153	85.8	10 -145					
13C-PCB-155	74.1	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	106	10 -145					
13C-PCB-159	94.5	10 -145					
13C-PCB-167	98.4	10 -145					
13C-PCB-169	125	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10
Project:	Locher Road AR	Sample Size:	12.7 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 09:31 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.659			PCB-44	4.78			
PCB-2	ND	0.702			PCB-45	ND	0.862		
PCB-3	0.435			J	PCB-46	ND	0.954		
PCB-4/10	ND	2.06			PCB-47	3.94			
PCB-5/8	ND		0.881		PCB-48/75	ND	0.594		
PCB-6	ND	1.77			PCB-50	ND	0.789		
PCB-7/9	ND	1.75			PCB-51	ND	0.713		
PCB-11	2.40			J	PCB-52/69	6.66			
PCB-12/13	ND	1.86			PCB-53	ND	0.705		
PCB-14	ND	1.55			PCB-54	ND	0.594		
PCB-15	1.96			J	PCB-55	ND	0.526		
PCB-16/32	1.15			J	PCB-56/60	4.52			J
PCB-17	ND		0.648		PCB-57	ND	0.515		
PCB-18	1.53			J	PCB-58	ND	0.545		
PCB-19	ND	0.614			PCB-61/70	11.5			
PCB-20/21/33	1.49			J	PCB-62	ND	0.598		
PCB-22	1.44			J	PCB-63	ND	0.527		
PCB-23	ND	0.716			PCB-65	ND	0.595		
PCB-24/27	ND	0.426			PCB-67	ND	0.569		
PCB-25	ND	0.785			PCB-68	0.599			J
PCB-26	ND	0.819			PCB-73	ND	0.575		
PCB-28	3.38				PCB-74	1.98			J
PCB-29	ND	0.784			PCB-76/66	5.78			
PCB-30	ND	0.409			PCB-77	1.06			J
PCB-31	2.98				PCB-78	ND	0.517		
PCB-34	ND	0.797			PCB-79	0.433			J
PCB-35	ND	0.683			PCB-80	ND	0.470		
PCB-36	ND	0.671			PCB-81	ND	0.450		
PCB-37	2.47			J	PCB-82	4.50			
PCB-38	ND	0.640			PCB-83	ND	0.947		
PCB-39	ND	0.647			PCB-84/92	10.3			
PCB-40	ND	1.02			PCB-85/116	7.00			
PCB-41/64/71/72	2.93			J	PCB-86	ND	1.46		
PCB-42/59	1.52			J	PCB-87/117/125	10.2			
PCB-43/49	5.78				PCB-88/91	3.69			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.7 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	Date Analyzed :	11-Mar-14 09:31	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.44			PCB-136	3.21			
PCB-90/101	30.2				PCB-137	1.60			J
PCB-93	ND	1.45			PCB-138/163/164	35.6			
PCB-94	ND	1.46			PCB-139/149	26.3			
PCB-95/98/102	17.2				PCB-140	ND	1.53		
PCB-96	ND	1.07			PCB-141	5.25			
PCB-97	8.53				PCB-144	ND		1.39	
PCB-99	15.8				PCB-145	ND	0.994		
PCB-100	ND	1.16			PCB-146/165	3.85			J
PCB-103	ND	1.25			PCB-147	ND		0.835	
PCB-104	ND	0.909			PCB-148	ND	1.39		
PCB-105	10.7				PCB-150	ND	1.02		
PCB-106/118	33.8				PCB-151	5.38			
PCB-107/109	2.49			J	PCB-152	ND	0.998		
PCB-108/112	ND		1.02		PCB-153	28.6			
PCB-110	34.4				PCB-154	0.960			J
PCB-111/115	0.763			J	PCB-155	ND	0.951		
PCB-113	ND	1.02			PCB-156	3.97			
PCB-114	ND	0.968			PCB-157	1.14			J
PCB-119	0.759			J	PCB-158/160	4.06			J
PCB-120	ND	0.831			PCB-159	ND	0.577		
PCB-121	ND	0.981			PCB-166	ND	0.559		
PCB-122	ND	1.08			PCB-167	2.04			J
PCB-123	ND	0.915			PCB-168	ND	0.552		
PCB-124	ND		1.17		PCB-169	ND	0.491		
PCB-126	ND	0.927			PCB-170	8.08			
PCB-127	ND	1.03			PCB-171	1.72			J
PCB-128/162	7.15				PCB-172	1.31			J
PCB-129	1.69			J	PCB-173	ND	0.609		
PCB-130	2.62				PCB-174	6.00			
PCB-131	ND	0.856			PCB-175	ND	0.647		
PCB-132/161	7.17				PCB-176	0.720			J
PCB-133/142	0.971			J	PCB-177	3.68			
PCB-134/143	1.59			J	PCB-178	1.98			J
PCB-135	4.08				PCB-179	3.11			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10
Project:	Locher Road AR	Sample Size:	12.7 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 09:31
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	15.5				Total octaCB	25.4			
PCB-181	ND	0.493			Total nonaCB	15.9			
PCB-182/187	11.7				DecaCB	12.7			
PCB-183	3.73				Total PCB	523			
PCB-184	ND	0.505							
PCB-185	0.828			J					
PCB-186	ND	0.473							
PCB-188	ND	0.433							
PCB-189	0.340			J					
PCB-190	1.60			J					
PCB-191	ND	0.416							
PCB-192	ND	0.436							
PCB-193	1.02			J					
PCB-194	4.77								
PCB-195	1.62			J					
PCB-196/203	7.99								
PCB-197	ND	0.730							
PCB-198	ND	1.05							
PCB-199	7.67								
PCB-200	0.954			J					
PCB-201	ND	0.714							
PCB-202	2.36			J					
PCB-204	ND	0.769							
PCB-205	ND	0.640							
PCB-206	10.4								
PCB-207	1.17			J					
PCB-208	4.28								
PCB-209	12.7								
Total monoCB	0.435			J					
Total diCB	4.35		5.23						
Total triCB	14.4		15.1						
Total tetraCB	51.4								
Total pentaCB	190		192						
Total hexaCB	147		149						
Total heptaCB	61.4								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10
Project:	Locher Road AR	Sample Size:	12.7 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 09:31
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	91.1	5 -145		13C-PCB-170	110	10 -145	
13C-PCB-3	100	5 -145		13C-PCB-180	102	10 -145	
13C-PCB-4	67.3	5 -145		13C-PCB-188	75.7	10 -145	
13C-PCB-11	77.3	5 -145		13C-PCB-189	113	10 -145	
13C-PCB-9	66.6	5 -145		13C-PCB-194	99.5	10 -145	
13C-PCB-19	84.4	5 -145		13C-PCB-202	76.5	10 -145	
13C-PCB-28	95.5	5 -145		13C-PCB-206	120	10 -145	
13C-PCB-32	86.2	5 -145		13C-PCB-208	102	10 -145	
13C-PCB-37	114	5 -145		13C-PCB-209	138	10 -145	
13C-PCB-47	88.5	5 -145		CRS 13C-PCB-79	112	10 -145	
13C-PCB-52	86.6	5 -145		13C-PCB-178	93.3	10 -145	
13C-PCB-54	74.3	5 -145					
13C-PCB-70	94.5	5 -145					
13C-PCB-77	113	10 -145					
13C-PCB-80	93.7	10 -145					
13C-PCB-81	109	10 -145					
13C-PCB-95	84.9	10 -145					
13C-PCB-97	94.5	10 -145					
13C-PCB-101	92.8	10 -145					
13C-PCB-104	85.0	10 -145					
13C-PCB-105	67.8	10 -145					
13C-PCB-114	69.7	10 -145					
13C-PCB-118	104	10 -145					
13C-PCB-123	108	10 -145					
13C-PCB-126	88.6	10 -145					
13C-PCB-127	75.2	10 -145					
13C-PCB-138	91.7	10 -145					
13C-PCB-141	91.6	10 -145					
13C-PCB-153	85.1	10 -145					
13C-PCB-155	75.0	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	107	10 -145					
13C-PCB-159	95.1	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	126	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11
Project:	Locher Road AR	Sample Size:	11.8 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 21:33 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.19			PCB-44	2.78			
PCB-2	ND	1.33			PCB-45	ND	0.576		
PCB-3	ND	1.30			PCB-46	ND	0.638		
PCB-4/10	ND	4.72			PCB-47	ND	0.529		
PCB-5/8	ND	4.20			PCB-48/75	ND	0.428		
PCB-6	ND	4.22			PCB-50	ND	0.588		
PCB-7/9	ND	4.17			PCB-51	ND	0.477		
PCB-11	ND	4.02			PCB-52/69	4.33			J
PCB-12/13	ND	4.27			PCB-53	ND	0.471		
PCB-14	ND	3.57			PCB-54	ND	0.442		
PCB-15	ND	4.17			PCB-55	ND	0.363		
PCB-16/32	ND	0.360			PCB-56/60	2.52			J
PCB-17	ND	0.414			PCB-57	ND	0.344		
PCB-18	ND	0.446			PCB-58	ND	0.363		
PCB-19	ND	0.470			PCB-61/70	5.60			
PCB-20/21/33	1.52			J	PCB-62	ND	0.431		
PCB-22	0.861			J	PCB-63	ND	0.352		
PCB-23	ND	0.309			PCB-65	ND	0.429		
PCB-24/27	ND	0.312			PCB-67	ND	0.380		
PCB-25	ND	0.339			PCB-68	ND	0.387		
PCB-26	ND	0.353			PCB-73	ND	0.385		
PCB-28	1.97			J	PCB-74	0.937			J
PCB-29	ND	0.338			PCB-76/66	2.47			J
PCB-30	ND	0.313			PCB-77	0.670			J
PCB-31	ND		2.26		PCB-78	ND	0.413		
PCB-34	ND	0.344			PCB-79	ND	0.388		
PCB-35	ND	0.356			PCB-80	ND	0.325		
PCB-36	ND	0.350			PCB-81	ND	0.359		
PCB-37	1.94			J	PCB-82	ND	1.20		
PCB-38	ND	0.334			PCB-83	ND	0.725		
PCB-39	ND	0.337			PCB-84/92	4.58			J
PCB-40	ND	0.734			PCB-85/116	3.59			J
PCB-41/64/71/72	2.36			J	PCB-86	ND	1.12		
PCB-42/59	0.902			J	PCB-87/117/125	4.71			J
PCB-43/49	3.80			J	PCB-88/91	1.95			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.8 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	Date Analyzed :	11-Mar-14 21:33	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.09			PCB-136	2.03			J
PCB-90/101	15.4				PCB-137	ND		1.77	
PCB-93	ND	0.941			PCB-138/163/164	30.5			
PCB-94	ND	0.949			PCB-139/149	15.6			
PCB-95/98/102	8.34				PCB-140	ND	1.16		
PCB-96	ND	0.778			PCB-141	4.23			
PCB-97	3.68				PCB-144	ND	1.09		
PCB-99	8.23				PCB-145	ND	0.752		
PCB-100	ND	0.841			PCB-146/165	3.55			J
PCB-103	ND	0.903			PCB-147	ND	1.06		
PCB-104	ND	0.660			PCB-148	ND	1.05		
PCB-105	6.67				PCB-150	ND	0.773		
PCB-106/118	15.8				PCB-151	4.20			
PCB-107/109	1.61			J	PCB-152	ND	0.755		
PCB-108/112	ND	0.874			PCB-153	26.3			
PCB-110	19.4				PCB-154	ND	0.980		
PCB-111/115	ND	0.652			PCB-155	ND	0.720		
PCB-113	ND	0.772			PCB-156	2.99			
PCB-114	ND	0.544			PCB-157	0.819			J
PCB-119	ND	0.650			PCB-158/160	3.30			J
PCB-120	ND	0.636			PCB-159	ND	0.488		
PCB-121	ND	0.637			PCB-166	ND	0.473		
PCB-122	ND	0.604			PCB-167	1.63			J
PCB-123	ND	0.748			PCB-168	ND	0.428		
PCB-124	ND	0.667			PCB-169	ND	0.557		
PCB-126	ND	0.693			PCB-170	6.99			
PCB-127	ND	0.658			PCB-171	1.81			J
PCB-128/162	5.56				PCB-172	2.07			J
PCB-129	1.25			J	PCB-173	ND	0.588		
PCB-130	2.61				PCB-174	7.25			
PCB-131	ND	0.664			PCB-175	ND	0.512		
PCB-132/161	4.93			J	PCB-176	ND	0.373		
PCB-133/142	0.904			J	PCB-177	5.17			
PCB-134/143	1.09			J	PCB-178	2.64			
PCB-135	2.07			J	PCB-179	3.71			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11
Project:	Locher Road AR	Sample Size:	11.8 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 21:33 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	18.6				Total octaCB	36.0			
PCB-181	ND	0.476			Total nonaCB	15.7			
PCB-182/187	15.1				DecaCB	14.1			
PCB-183	4.25				Total PCB	377			
PCB-184	ND	0.400							
PCB-185	1.18			J					
PCB-186	ND	0.374							
PCB-188	ND	0.343							
PCB-189	ND	0.364							
PCB-190	1.61			J					
PCB-191	ND	0.403							
PCB-192	ND	0.421							
PCB-193	1.09			J					
PCB-194	6.31								
PCB-195	2.31			J					
PCB-196/203	10.8								
PCB-197	ND	0.671							
PCB-198	ND	0.962							
PCB-199	10.6								
PCB-200	1.12			J					
PCB-201	1.65			J					
PCB-202	3.22								
PCB-204	ND	0.707							
PCB-205	ND	0.509							
PCB-206	10.5								
PCB-207	1.32			J					
PCB-208	3.88								
PCB-209	14.1								
Total monoCB	ND	1.33							
Total diCB	ND	4.72							
Total triCB	6.29		8.55						
Total tetraCB	26.4								
Total pentaCB	94.0								
Total hexaCB	114		115						
Total heptaCB	71.5								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.8 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	Date Analyzed :	11-Mar-14 21:33	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	75.7	5 -145		13C-PCB-170	92.9	10 -145	
13C-PCB-3	84.7	5 -145		13C-PCB-180	85.2	10 -145	
13C-PCB-4	69.8	5 -145		13C-PCB-188	73.8	10 -145	
13C-PCB-11	81.4	5 -145		13C-PCB-189	88.6	10 -145	
13C-PCB-9	70.0	5 -145		13C-PCB-194	98.3	10 -145	
13C-PCB-19	86.6	5 -145		13C-PCB-202	69.8	10 -145	
13C-PCB-28	91.5	5 -145		13C-PCB-206	92.3	10 -145	
13C-PCB-32	86.3	5 -145		13C-PCB-208	81.6	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	83.8	10 -145	
13C-PCB-47	87.2	5 -145		CRS 13C-PCB-79	109	10 -145	
13C-PCB-52	87.7	5 -145		13C-PCB-178	87.8	10 -145	
13C-PCB-54	76.3	5 -145					
13C-PCB-70	96.5	5 -145					
13C-PCB-77	100	10 -145					
13C-PCB-80	93.7	10 -145					
13C-PCB-81	97.9	10 -145					
13C-PCB-95	93.8	10 -145					
13C-PCB-97	100	10 -145					
13C-PCB-101	99.4	10 -145					
13C-PCB-104	93.0	10 -145					
13C-PCB-105	105	10 -145					
13C-PCB-114	105	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	106	10 -145					
13C-PCB-127	106	10 -145					
13C-PCB-138	96.6	10 -145					
13C-PCB-141	97.1	10 -145					
13C-PCB-153	93.7	10 -145					
13C-PCB-155	79.8	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	96.7	10 -145					
13C-PCB-159	96.1	10 -145					
13C-PCB-167	99.3	10 -145					
13C-PCB-169	109	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 22:37 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-44	ND	0.498		
PCB-2	ND	1.15			PCB-45	ND	0.467		
PCB-3	ND	1.13			PCB-46	ND	0.517		
PCB-4/10	ND	4.79			PCB-47	ND	0.420		
PCB-5/8	ND	4.20			PCB-48/75	ND	0.340		
PCB-6	ND	4.22			PCB-50	ND	0.453		
PCB-7/9	ND	4.17			PCB-51	ND	0.386		
PCB-11	ND	4.11			PCB-52/69	ND	0.353		
PCB-12/13	ND	4.36			PCB-53	ND	0.382		
PCB-14	ND	3.65			PCB-54	ND	0.341		
PCB-15	ND	4.26			PCB-55	ND	0.281		
PCB-16/32	ND	0.340			PCB-56/60	ND		0.582	
PCB-17	ND	0.391			PCB-57	ND	0.286		
PCB-18	ND	0.421			PCB-58	ND	0.302		
PCB-19	ND	0.424			PCB-61/70	0.939			J
PCB-20/21/33	ND	0.350			PCB-62	ND	0.342		
PCB-22	ND	0.332			PCB-63	ND	0.292		
PCB-23	ND	0.326			PCB-65	ND	0.341		
PCB-24/27	ND	0.295			PCB-67	ND	0.316		
PCB-25	ND	0.357			PCB-68	ND	0.308		
PCB-26	ND	0.373			PCB-73	ND	0.312		
PCB-28	ND	0.313			PCB-74	ND	0.266		
PCB-29	ND	0.356			PCB-76/66	0.553			J
PCB-30	ND	0.282			PCB-77	ND	0.315		
PCB-31	ND	0.378			PCB-78	ND	0.335		
PCB-34	ND	0.363			PCB-79	ND	0.300		
PCB-35	ND	0.327			PCB-80	ND	0.251		
PCB-36	ND	0.321			PCB-81	ND	0.292		
PCB-37	ND		0.612		PCB-82	ND	1.06		
PCB-38	ND	0.306			PCB-83	ND	0.702		
PCB-39	ND	0.309			PCB-84/92	ND	0.899		
PCB-40	ND	0.583			PCB-85/116	ND	0.816		
PCB-41/64/71/72	ND	0.343			PCB-86	ND	1.08		
PCB-42/59	ND	0.373			PCB-87/117/125	ND	0.711		
PCB-43/49	ND	0.416			PCB-88/91	ND	0.973		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 22:37 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.925			PCB-136	ND	0.742		
PCB-90/101	1.07			J	PCB-137	ND	0.433		
PCB-93	ND	0.949			PCB-138/163/164	2.61			J
PCB-94	ND	0.957			PCB-139/149	ND		1.36	
PCB-95/98/102	ND	0.892			PCB-140	ND	1.04		
PCB-96	ND	0.710			PCB-141	ND	0.465		
PCB-97	ND	0.875			PCB-144	ND	0.974		
PCB-99	ND	0.749			PCB-145	ND	0.672		
PCB-100	ND	0.767			PCB-146/165	ND	0.402		
PCB-103	ND	0.824			PCB-147	ND	0.947		
PCB-104	ND	0.602			PCB-148	ND	0.942		
PCB-105	0.818			J	PCB-150	ND	0.690		
PCB-106/118	ND		1.30		PCB-151	ND	1.01		
PCB-107/109	ND	0.614			PCB-152	ND	0.675		
PCB-108/112	ND	0.846			PCB-153	2.03			J
PCB-110	1.30			J	PCB-154	ND	0.876		
PCB-111/115	ND	0.630			PCB-155	ND	0.643		
PCB-113	ND	0.658			PCB-156	ND	0.343		
PCB-114	ND	0.393			PCB-157	ND	0.380		
PCB-119	ND	0.629			PCB-158/160	ND	0.362		
PCB-120	ND	0.616			PCB-159	ND	0.387		
PCB-121	ND	0.642			PCB-166	ND	0.375		
PCB-122	ND	0.437			PCB-167	ND	0.367		
PCB-123	ND	0.658			PCB-168	ND	0.354		
PCB-124	ND	0.587			PCB-169	ND	0.418		
PCB-126	ND	0.492			PCB-170	0.814			J
PCB-127	ND	0.423			PCB-171	ND	0.462		
PCB-128/162	ND	0.426			PCB-172	ND	0.516		
PCB-129	ND	0.533			PCB-173	ND	0.551		
PCB-130	ND	0.505			PCB-174	ND	0.459		
PCB-131	ND	0.549			PCB-175	ND	0.522		
PCB-132/161	ND	0.425			PCB-176	ND	0.380		
PCB-133/142	ND	0.524			PCB-177	ND	0.495		
PCB-134/143	ND	0.516			PCB-178	ND	0.553		
PCB-135	ND	1.04			PCB-179	ND	0.393		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 22:37 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND		1.13		Total octaCB	1.21		2.90	
PCB-181	ND	0.446			Total nonaCB	ND		0.964	J
PCB-182/187	1.26			J	DecaCB	ND	1.90		
PCB-183	ND	0.471			Total PCB	12.6			
PCB-184	ND	0.408							
PCB-185	ND	0.460							
PCB-186	ND	0.381							
PCB-188	ND	0.350							
PCB-189	ND	0.334							
PCB-190	ND	0.314							
PCB-191	ND	0.377							
PCB-192	ND	0.394							
PCB-193	ND	0.367							
PCB-194	ND		0.699						
PCB-195	ND	0.403							
PCB-196/203	ND		0.995						
PCB-197	ND	0.558							
PCB-198	ND	0.801							
PCB-199	1.21			J					
PCB-200	ND	0.578							
PCB-201	ND	0.546							
PCB-202	ND	0.554							
PCB-204	ND	0.588							
PCB-205	ND	0.334							
PCB-206	ND		0.562						
PCB-207	ND	0.293							
PCB-208	ND		0.401						
PCB-209	ND	1.90							
Total monoCB	ND	1.15							
Total diCB	ND	4.79							
Total triCB	ND		0.612	J					
Total tetraCB	1.49		2.07	J					
Total pentaCB	3.18		4.49						
Total hexaCB	4.64		6.00						
Total heptaCB	2.08		3.20						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	Date Received:	28-Feb-2014 11:53
				Date Analyzed :	11-Mar-14 22:37
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	71.4	5 -145		13C-PCB-170	92.7	10 -145	
13C-PCB-3	82.1	5 -145		13C-PCB-180	86.8	10 -145	
13C-PCB-4	66.8	5 -145		13C-PCB-188	72.4	10 -145	
13C-PCB-11	77.1	5 -145		13C-PCB-189	89.7	10 -145	
13C-PCB-9	66.2	5 -145		13C-PCB-194	97.7	10 -145	
13C-PCB-19	80.5	5 -145		13C-PCB-202	69.3	10 -145	
13C-PCB-28	90.8	5 -145		13C-PCB-206	94.8	10 -145	
13C-PCB-32	81.9	5 -145		13C-PCB-208	82.2	10 -145	
13C-PCB-37	103	5 -145		13C-PCB-209	88.0	10 -145	
13C-PCB-47	82.2	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	83.5	5 -145		13C-PCB-178	88.4	10 -145	
13C-PCB-54	72.1	5 -145					
13C-PCB-70	91.4	5 -145					
13C-PCB-77	94.7	10 -145					
13C-PCB-80	90.9	10 -145					
13C-PCB-81	94.6	10 -145					
13C-PCB-95	92.1	10 -145					
13C-PCB-97	96.4	10 -145					
13C-PCB-101	96.9	10 -145					
13C-PCB-104	90.4	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	99.6	10 -145					
13C-PCB-123	106	10 -145					
13C-PCB-126	108	10 -145					
13C-PCB-127	107	10 -145					
13C-PCB-138	94.9	10 -145					
13C-PCB-141	101	10 -145					
13C-PCB-153	94.3	10 -145					
13C-PCB-155	77.3	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	95.4	10 -145					
13C-PCB-159	99.2	10 -145					
13C-PCB-167	98.2	10 -145					
13C-PCB-169	107	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13
Project:	Locher Road AR	Sample Size:	12.8 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 23:41
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.09			PCB-44	ND	0.451		
PCB-2	ND	1.24			PCB-45	ND	0.470		
PCB-3	ND	1.21			PCB-46	ND	0.520		
PCB-4/10	ND	4.19			PCB-47	ND	0.381		
PCB-5/8	ND	3.58			PCB-48/75	ND	0.308		
PCB-6	ND	3.60			PCB-50	ND	0.477		
PCB-7/9	ND	3.56			PCB-51	ND	0.388		
PCB-11	ND	3.52			PCB-52/69	ND	0.356		
PCB-12/13	ND	3.73			PCB-53	ND	0.384		
PCB-14	ND	3.12			PCB-54	ND	0.359		
PCB-15	ND	3.64			PCB-55	ND	0.283		
PCB-16/32	ND	0.310			PCB-56/60	0.465			J
PCB-17	ND	0.357			PCB-57	ND	0.271		
PCB-18	ND	0.384			PCB-58	ND	0.287		
PCB-19	ND	0.379			PCB-61/70	0.872			J
PCB-20/21/33	ND	0.342			PCB-62	ND	0.310		
PCB-22	ND	0.325			PCB-63	ND	0.277		
PCB-23	ND	0.319			PCB-65	ND	0.308		
PCB-24/27	ND	0.269			PCB-67	ND	0.300		
PCB-25	ND	0.350			PCB-68	ND	0.279		
PCB-26	ND	0.365			PCB-73	ND	0.314		
PCB-28	ND	0.307			PCB-74	ND	0.252		
PCB-29	ND	0.349			PCB-76/66	ND	0.266		
PCB-30	ND	0.252			PCB-77	ND	0.326		
PCB-31	ND	0.370			PCB-78	ND	0.314		
PCB-34	ND	0.355			PCB-79	ND	0.301		
PCB-35	ND	0.347			PCB-80	ND	0.252		
PCB-36	ND	0.341			PCB-81	ND	0.274		
PCB-37	ND	0.370			PCB-82	ND	1.17		
PCB-38	ND	0.326			PCB-83	ND	0.762		
PCB-39	ND	0.329			PCB-84/92	ND	0.978		
PCB-40	ND	0.528			PCB-85/116	ND	0.886		
PCB-41/64/71/72	ND	0.310			PCB-86	ND	1.18		
PCB-42/59	ND	0.337			PCB-87/117/125	ND	0.771		
PCB-43/49	ND	0.419			PCB-88/91	ND	0.966		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13
Project:	Locher Road AR	Sample Size:	12.8 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	Date Analyzed :	11-Mar-14 23:41
				Date Received:	28-Feb-2014 11:53
				Date Extracted:	06-Mar-2014 11:38
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.01			PCB-136	ND	0.719		
PCB-90/101	ND		0.755		PCB-137	ND	0.463		
PCB-93	ND	0.942			PCB-138/163/164	1.73			J
PCB-94	ND	0.950			PCB-139/149	ND	0.878		
PCB-95/98/102	ND	0.885			PCB-140	ND	1.00		
PCB-96	ND	0.843			PCB-141	ND	0.497		
PCB-97	ND	0.950			PCB-144	ND	0.944		
PCB-99	ND	0.815			PCB-145	ND	0.651		
PCB-100	ND	0.911			PCB-146/165	ND	0.394		
PCB-103	ND	0.978			PCB-147	ND	0.918		
PCB-104	ND	0.714			PCB-148	ND	0.912		
PCB-105	0.769			J	PCB-150	ND	0.668		
PCB-106/118	ND		1.40		PCB-151	ND	0.979		
PCB-107/109	ND	0.682			PCB-152	ND	0.653		
PCB-108/112	ND	0.918			PCB-153	1.14			J
PCB-110	0.934			J	PCB-154	ND	0.848		
PCB-111/115	ND	0.684			PCB-155	ND	0.623		
PCB-113	ND	0.716			PCB-156	ND	0.382		
PCB-114	ND	0.417			PCB-157	ND	0.413		
PCB-119	ND	0.682			PCB-158/160	ND	0.387		
PCB-120	ND	0.668			PCB-159	ND	0.395		
PCB-121	ND	0.637			PCB-166	ND	0.383		
PCB-122	ND	0.464			PCB-167	ND	0.380		
PCB-123	ND	0.732			PCB-168	ND	0.347		
PCB-124	ND	0.652			PCB-169	ND	0.419		
PCB-126	ND	0.515			PCB-170	ND	0.448		
PCB-127	ND	0.462			PCB-171	ND	0.468		
PCB-128/162	ND	0.435			PCB-172	ND	0.523		
PCB-129	ND	0.569			PCB-173	ND	0.558		
PCB-130	ND	0.540			PCB-174	ND	0.465		
PCB-131	ND	0.539			PCB-175	ND	0.486		
PCB-132/161	ND	0.417			PCB-176	ND	0.354		
PCB-133/142	ND	0.515			PCB-177	ND	0.502		
PCB-134/143	ND	0.507			PCB-178	ND	0.515		
PCB-135	ND	1.01			PCB-179	ND	0.365		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13
Project:	Locher Road AR	Sample Size:	12.8 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 23:41 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND		0.506		Total octaCB	ND	0.847		
PCB-181	ND	0.452			Total nonaCB	ND	0.665		
PCB-182/187	ND	0.451			DecaCB	ND	0.904		
PCB-183	ND	0.439			Total PCB	5.91			
PCB-184	ND	0.380							
PCB-185	ND	0.467							
PCB-186	ND	0.355							
PCB-188	ND	0.325							
PCB-189	ND	0.338							
PCB-190	ND	0.320							
PCB-191	ND	0.382							
PCB-192	ND	0.400							
PCB-193	ND	0.372							
PCB-194	ND	0.440							
PCB-195	ND	0.442							
PCB-196/203	ND	0.755							
PCB-197	ND	0.591							
PCB-198	ND	0.847							
PCB-199	ND	0.788							
PCB-200	ND	0.612							
PCB-201	ND	0.578							
PCB-202	ND	0.587							
PCB-204	ND	0.622							
PCB-205	ND	0.366							
PCB-206	ND	0.665							
PCB-207	ND	0.319							
PCB-208	ND	0.308							
PCB-209	ND	0.904							
Total monoCB	ND	1.24							
Total diCB	ND	4.19							
Total triCB	ND	0.384							
Total tetraCB	1.34			J					
Total pentaCB	1.70		3.86						
Total hexaCB	2.87								
Total heptaCB	ND		0.506	J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13
Project:	Locher Road AR	Sample Size:	12.8 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 23:41
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	74.5	5 -145		13C-PCB-170	92.1	10 -145	
13C-PCB-3	81.5	5 -145		13C-PCB-180	85.8	10 -145	
13C-PCB-4	67.5	5 -145		13C-PCB-188	74.4	10 -145	
13C-PCB-11	78.7	5 -145		13C-PCB-189	86.7	10 -145	
13C-PCB-9	67.9	5 -145		13C-PCB-194	96.6	10 -145	
13C-PCB-19	86.2	5 -145		13C-PCB-202	69.6	10 -145	
13C-PCB-28	85.0	5 -145		13C-PCB-206	92.8	10 -145	
13C-PCB-32	85.1	5 -145		13C-PCB-208	81.0	10 -145	
13C-PCB-37	97.1	5 -145		13C-PCB-209	87.1	10 -145	
13C-PCB-47	81.1	5 -145		CRS 13C-PCB-79	99.4	10 -145	
13C-PCB-52	81.0	5 -145		13C-PCB-178	84.6	10 -145	
13C-PCB-54	70.7	5 -145					
13C-PCB-70	91.0	5 -145					
13C-PCB-77	93.0	10 -145					
13C-PCB-80	90.4	10 -145					
13C-PCB-81	93.7	10 -145					
13C-PCB-95	91.5	10 -145					
13C-PCB-97	94.7	10 -145					
13C-PCB-101	94.4	10 -145					
13C-PCB-104	87.2	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	98.0	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	104	10 -145					
13C-PCB-127	105	10 -145					
13C-PCB-138	94.4	10 -145					
13C-PCB-141	96.8	10 -145					
13C-PCB-153	93.8	10 -145					
13C-PCB-155	78.5	10 -145					
13C-PCB-156	99.4	10 -145					
13C-PCB-157	96.4	10 -145					
13C-PCB-159	96.5	10 -145					
13C-PCB-167	98.5	10 -145					
13C-PCB-169	105	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.02			PCB-44	ND	0.529		
PCB-2	ND	1.14			PCB-45	ND	0.500		
PCB-3	ND	1.12			PCB-46	ND	0.553		
PCB-4/10	ND	2.30			PCB-47	ND	0.447		
PCB-5/8	ND	2.02			PCB-48/75	ND	0.361		
PCB-6	ND	2.03			PCB-50	ND	0.476		
PCB-7/9	ND	2.00			PCB-51	ND	0.413		
PCB-11	ND	1.96			PCB-52/69	ND	0.378		
PCB-12/13	ND	2.08			PCB-53	ND	0.409		
PCB-14	ND	1.74			PCB-54	ND	0.358		
PCB-15	ND	2.03			PCB-55	ND	0.324		
PCB-16/32	ND	0.314			PCB-56/60	ND	0.344		
PCB-17	ND	0.361			PCB-57	ND	0.312		
PCB-18	ND	0.389			PCB-58	ND	0.329		
PCB-19	ND	0.412			PCB-61/70	0.806			J
PCB-20/21/33	ND	0.302			PCB-62	ND	0.364		
PCB-22	ND	0.287			PCB-63	ND	0.319		
PCB-23	ND	0.281			PCB-65	ND	0.362		
PCB-24/27	ND	0.272			PCB-67	ND	0.344		
PCB-25	ND	0.309			PCB-68	ND	0.327		
PCB-26	ND	0.322			PCB-73	ND	0.334		
PCB-28	ND	0.270			PCB-74	ND	0.290		
PCB-29	ND	0.308			PCB-76/66	ND	0.306		
PCB-30	ND	0.274			PCB-77	ND	0.351		
PCB-31	ND	0.327			PCB-78	ND	0.343		
PCB-34	ND	0.313			PCB-79	ND	0.346		
PCB-35	ND	0.315			PCB-80	ND	0.290		
PCB-36	ND	0.309			PCB-81	ND	0.299		
PCB-37	ND	0.336			PCB-82	ND	1.03		
PCB-38	ND	0.295			PCB-83	ND	0.657		
PCB-39	ND	0.298			PCB-84/92	ND	0.946		
PCB-40	ND	0.620			PCB-85/116	ND	0.763		
PCB-41/64/71/72	0.386			J	PCB-86	ND	1.01		
PCB-42/59	ND	0.396			PCB-87/117/125	ND	0.665		
PCB-43/49	ND	0.445			PCB-88/91	ND	0.925		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.973			PCB-136	ND	0.771		
PCB-90/101	ND		0.900		PCB-137	ND	0.486		
PCB-93	ND	0.902			PCB-138/163/164	ND		1.26	
PCB-94	ND	0.910			PCB-139/149	ND	0.941		
PCB-95/98/102	ND	0.848			PCB-140	ND	1.08		
PCB-96	ND	0.702			PCB-141	ND	0.522		
PCB-97	ND	0.818			PCB-144	ND	1.01		
PCB-99	ND	0.788			PCB-145	ND	0.698		
PCB-100	ND	0.759			PCB-146/165	ND	0.386		
PCB-103	ND	0.815			PCB-147	ND	0.984		
PCB-104	ND	0.595			PCB-148	ND	0.978		
PCB-105	0.572			J	PCB-150	ND	0.717		
PCB-106/118	1.26			J	PCB-151	ND	1.05		
PCB-107/109	ND	0.595			PCB-152	ND	0.701		
PCB-108/112	ND	0.791			PCB-153	ND		1.02	
PCB-110	ND		1.19		PCB-154	ND	0.910		
PCB-111/115	ND	0.590			PCB-155	ND	0.668		
PCB-113	ND	0.693			PCB-156	ND	0.390		
PCB-114	ND	0.473			PCB-157	ND	0.416		
PCB-119	ND	0.588			PCB-158/160	ND	0.377		
PCB-120	ND	0.576			PCB-159	ND	0.408		
PCB-121	ND	0.611			PCB-166	ND	0.396		
PCB-122	ND	0.526			PCB-167	ND	0.392		
PCB-123	ND	0.639			PCB-168	ND	0.340		
PCB-124	ND	0.569			PCB-169	ND	0.467		
PCB-126	ND	0.598			PCB-170	ND	0.496		
PCB-127	ND	0.553			PCB-171	ND	0.465		
PCB-128/162	ND	0.449			PCB-172	ND	0.519		
PCB-129	ND	0.555			PCB-173	ND	0.554		
PCB-130	ND	0.567			PCB-174	ND	0.462		
PCB-131	ND	0.528			PCB-175	ND	0.485		
PCB-132/161	ND	0.409			PCB-176	ND	0.353		
PCB-133/142	ND	0.504			PCB-177	ND	0.499		
PCB-134/143	ND	0.497			PCB-178	ND	0.514		
PCB-135	ND	1.08			PCB-179	ND	0.365		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.455			Total octaCB	ND	0.935		
PCB-181	ND	0.449			Total nonaCB	ND	0.709		
PCB-182/187	ND	0.450			DecaCB	ND	1.33		
PCB-183	ND	0.438			Total PCB	3.03			
PCB-184	ND	0.379							
PCB-185	ND	0.464							
PCB-186	ND	0.355							
PCB-188	ND	0.325							
PCB-189	ND	0.386							
PCB-190	ND	0.355							
PCB-191	ND	0.379							
PCB-192	ND	0.397							
PCB-193	ND	0.370							
PCB-194	ND	0.468							
PCB-195	ND	0.469							
PCB-196/203	ND	0.834							
PCB-197	ND	0.652							
PCB-198	ND	0.935							
PCB-199	ND	0.870							
PCB-200	ND	0.676							
PCB-201	ND	0.638							
PCB-202	ND	0.648							
PCB-204	ND	0.687							
PCB-205	ND	0.389							
PCB-206	ND	0.709							
PCB-207	ND	0.333							
PCB-208	ND	0.322							
PCB-209	ND	1.33							
Total monoCB	ND	1.14							
Total diCB	ND	2.30							
Total triCB	ND	0.412							
Total tetraCB	1.19			J					
Total pentaCB	1.83		3.93						
Total hexaCB	ND		2.28	J					
Total heptaCB	ND	0.554							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.6	5 -145		13C-PCB-170	90.6	10 -145	
13C-PCB-3	80.3	5 -145		13C-PCB-180	84.0	10 -145	
13C-PCB-4	67.9	5 -145		13C-PCB-188	75.1	10 -145	
13C-PCB-11	78.2	5 -145		13C-PCB-189	84.6	10 -145	
13C-PCB-9	67.8	5 -145		13C-PCB-194	95.3	10 -145	
13C-PCB-19	83.3	5 -145		13C-PCB-202	69.2	10 -145	
13C-PCB-28	78.3	5 -145		13C-PCB-206	90.6	10 -145	
13C-PCB-32	85.1	5 -145		13C-PCB-208	80.3	10 -145	
13C-PCB-37	89.5	5 -145		13C-PCB-209	88.8	10 -145	
13C-PCB-47	83.9	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	84.4	5 -145		13C-PCB-178	84.5	10 -145	
13C-PCB-54	75.8	5 -145					
13C-PCB-70	90.5	5 -145					
13C-PCB-77	95.4	10 -145					
13C-PCB-80	88.5	10 -145					
13C-PCB-81	95.5	10 -145					
13C-PCB-95	88.0	10 -145					
13C-PCB-97	91.9	10 -145					
13C-PCB-101	93.0	10 -145					
13C-PCB-104	88.7	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	95.5	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	99.1	10 -145					
13C-PCB-127	105	10 -145					
13C-PCB-138	94.6	10 -145					
13C-PCB-141	95.5	10 -145					
13C-PCB-153	95.9	10 -145					
13C-PCB-155	74.4	10 -145					
13C-PCB-156	98.9	10 -145					
13C-PCB-157	94.4	10 -145					
13C-PCB-159	93.6	10 -145					
13C-PCB-167	96.3	10 -145					
13C-PCB-169	104	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.93			PCB-44	ND	0.406		
PCB-2	ND	1.96			PCB-45	ND	0.395		
PCB-3	ND	1.92			PCB-46	ND	0.437		
PCB-4/10	ND	2.98			PCB-47	ND	0.343		
PCB-5/8	ND	2.45			PCB-48/75	ND	0.278		
PCB-6	ND	2.46			PCB-50	ND	0.372		
PCB-7/9	ND	2.43			PCB-51	ND	0.327		
PCB-11	ND	2.35			PCB-52/69	ND		0.575	
PCB-12/13	ND	2.49			PCB-53	ND	0.323		
PCB-14	ND	2.08			PCB-54	ND	0.280		
PCB-15	ND	2.43			PCB-55	ND	0.235		
PCB-16/32	ND	0.267			PCB-56/60	0.576			J
PCB-17	ND	0.308			PCB-57	ND	0.216		
PCB-18	ND	0.331			PCB-58	ND	0.228		
PCB-19	ND	0.365			PCB-61/70	0.929			J
PCB-20/21/33	ND	0.300			PCB-62	ND	0.280		
PCB-22	ND	0.285			PCB-63	ND	0.220		
PCB-23	ND	0.280			PCB-65	ND	0.278		
PCB-24/27	ND	0.232			PCB-67	ND	0.238		
PCB-25	ND	0.307			PCB-68	ND	0.251		
PCB-26	ND	0.320			PCB-73	ND	0.264		
PCB-28	ND	0.269			PCB-74	ND		0.269	
PCB-29	ND	0.306			PCB-76/66	0.709			J
PCB-30	ND	0.243			PCB-77	ND	0.197		
PCB-31	ND	0.324			PCB-78	ND	0.219		
PCB-34	ND	0.311			PCB-79	ND	0.250		
PCB-35	ND	0.271			PCB-80	ND	0.210		
PCB-36	ND	0.266			PCB-81	ND	0.190		
PCB-37	ND	0.289			PCB-82	ND	0.497		
PCB-38	ND	0.254			PCB-83	ND	0.339		
PCB-39	ND	0.256			PCB-84/92	ND	0.463		
PCB-40	ND	0.476			PCB-85/116	ND	0.394		
PCB-41/64/71/72	0.855			J	PCB-86	ND	0.523		
PCB-42/59	ND	0.304			PCB-87/117/125	ND	0.343		
PCB-43/49	ND	0.352			PCB-88/91	ND	0.495		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.476			PCB-136	ND	0.399		
PCB-90/101	ND		0.980		PCB-137	ND	0.254		
PCB-93	ND	0.483			PCB-138/163/164	1.63			J
PCB-94	ND	0.487			PCB-139/149	1.28			J
PCB-95/98/102	0.735			J	PCB-140	ND	0.556		
PCB-96	ND	0.373			PCB-141	ND	0.273		
PCB-97	ND	0.423			PCB-144	ND	0.523		
PCB-99	0.691			J	PCB-145	ND	0.361		
PCB-100	ND	0.403			PCB-146/165	ND	0.235		
PCB-103	ND	0.433			PCB-147	ND	0.509		
PCB-104	ND	0.316			PCB-148	ND	0.506		
PCB-105	0.522			J	PCB-150	ND	0.371		
PCB-106/118	1.06			J	PCB-151	ND	0.543		
PCB-107/109	ND	0.288			PCB-152	ND	0.362		
PCB-108/112	ND	0.409			PCB-153	1.25			J
PCB-110	1.25			J	PCB-154	ND	0.470		
PCB-111/115	ND	0.304			PCB-155	ND	0.345		
PCB-113	ND	0.339			PCB-156	ND	0.204		
PCB-114	ND	0.220			PCB-157	ND	0.216		
PCB-119	ND	0.304			PCB-158/160	ND	0.215		
PCB-120	ND	0.297			PCB-159	ND	0.222		
PCB-121	ND	0.327			PCB-166	ND	0.215		
PCB-122	ND	0.245			PCB-167	ND	0.198		
PCB-123	ND	0.309			PCB-168	ND	0.207		
PCB-124	ND	0.276			PCB-169	ND	0.231		
PCB-126	ND	0.238			PCB-170	0.558			J
PCB-127	ND	0.243			PCB-171	ND	0.201		
PCB-128/162	0.396			J	PCB-172	ND	0.224		
PCB-129	ND	0.317			PCB-173	ND	0.240		
PCB-130	ND	0.296			PCB-174	ND	0.200		
PCB-131	ND	0.321			PCB-175	ND	0.251		
PCB-132/161	ND	0.248			PCB-176	ND	0.182		
PCB-133/142	ND	0.306			PCB-177	ND	0.216		
PCB-134/143	ND	0.302			PCB-178	ND	0.266		
PCB-135	ND	0.560			PCB-179	ND	0.189		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1.23			J	Total octaCB	0.881		2.09	J
PCB-181	ND	0.194			Total nonaCB	0.416		1.26	J
PCB-182/187	0.919			J	DecaCB	1.24			J
PCB-183	ND	0.226			Total PCB	17.1			
PCB-184	ND	0.196							
PCB-185	ND	0.200							
PCB-186	ND	0.183							
PCB-188	ND	0.168							
PCB-189	ND	0.150							
PCB-190	ND	0.145							
PCB-191	ND	0.164							
PCB-192	ND	0.172							
PCB-193	ND	0.160							
PCB-194	ND		0.536						
PCB-195	ND	0.240							
PCB-196/203	0.881			J					
PCB-197	ND	0.289							
PCB-198	ND	0.414							
PCB-199	ND		0.669						
PCB-200	ND	0.299							
PCB-201	ND	0.282							
PCB-202	ND	0.287							
PCB-204	ND	0.304							
PCB-205	ND	0.199							
PCB-206	ND		0.848						
PCB-207	ND	0.145							
PCB-208	0.416			J					
PCB-209	1.24			J					
Total monoCB	ND	1.96							
Total diCB	ND	2.98							
Total triCB	ND	0.365							
Total tetraCB	3.07		3.91						
Total pentaCB	4.26		5.24						
Total hexaCB	4.56								
Total heptaCB	2.71								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	55.9	5 -145		13C-PCB-170	94.3	10 -145	
13C-PCB-3	66.1	5 -145		13C-PCB-180	89.2	10 -145	
13C-PCB-4	63.6	5 -145		13C-PCB-188	69.1	10 -145	
13C-PCB-11	77.2	5 -145		13C-PCB-189	98.3	10 -145	
13C-PCB-9	66.4	5 -145		13C-PCB-194	90.1	10 -145	
13C-PCB-19	67.1	5 -145		13C-PCB-202	63.7	10 -145	
13C-PCB-28	95.6	5 -145		13C-PCB-206	94.6	10 -145	
13C-PCB-32	69.3	5 -145		13C-PCB-208	87.8	10 -145	
13C-PCB-37	120	5 -145		13C-PCB-209	92.3	10 -145	
13C-PCB-47	75.3	5 -145		CRS 13C-PCB-79	112	10 -145	
13C-PCB-52	78.1	5 -145		13C-PCB-178	87.2	10 -145	
13C-PCB-54	70.3	5 -145					
13C-PCB-70	95.9	5 -145					
13C-PCB-77	117	10 -145					
13C-PCB-80	94.7	10 -145					
13C-PCB-81	112	10 -145					
13C-PCB-95	80.6	10 -145					
13C-PCB-97	89.9	10 -145					
13C-PCB-101	86.7	10 -145					
13C-PCB-104	78.8	10 -145					
13C-PCB-105	84.9	10 -145					
13C-PCB-114	81.1	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	94.1	10 -145					
13C-PCB-127	89.6	10 -145					
13C-PCB-138	91.5	10 -145					
13C-PCB-141	93.2	10 -145					
13C-PCB-153	90.1	10 -145					
13C-PCB-155	65.7	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	99.8	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	119	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
Arkansas Department of Environmental Quality	13-017-0
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Mississippi Department of Health	N/A
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
North Dakota Department of Health	R-078
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	010
South Carolina Department of Health	87002001
Tennessee Dept of Environment and Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2358
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured Yes No

Laboratory Project ID: 1400175

Storage ID: WR-2

Temp: 0.6 °C

TAT: (Check One) \$1.200
Standard: 21 Days
Rush (surcharge may apply):
 14 days 7 days Specify: _____

Project I.D.: Lochran Road AR P.O.# _____ Sampler: STEVEN PATTEN
(Name)

Invoice to: Name WALLA WALLA BASIN WATERWORKS COUNCIL Company _____ Address 810 S MAIN STREET City MELTON-FRUEWATER State OR Zip 97862 Ph# 541-9382170 Fax# _____
Relinquished by: STEVEN PATTEN (Signature and Printed Name) Date: 2/27/14 Time: 13:45 Received by: UPS (Signature and Printed Name) Date: _____ Time: _____
Relinquished by: UPS (Signature and Printed Name) Date: 02/28/14 Time: 1153 Received by: B. Benedict (Signature and Printed Name) Date: 02/28/14 Time: 1202

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106
ATTN: _____
Method of Shipment: _____
Tracking No.: _____

Container(s)		Add Analysis(es) Requested																					
Quantity	Type	Matrix	2378-TODD	2378-TODD/TCDF	PCDD/PCDF	2378-TODD	2378-TODD/TCDF	PCDD/PCDF	2378-TODD	2378-TODD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	EPA1613	EPA8290	EPA8280	EPA1668	EPA1614	CARB429

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TODD	2378-TODD/TCDF	PCDD/PCDF	2378-TODD	2378-TODD/TCDF	PCDD/PCDF	2378-TODD	2378-TODD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	EPA1613	EPA8290	EPA8280	EPA1668	EPA1614	CARB429	
GW-70	2/27/14	11:50	Lochran Road	2L	A	AQ										X												
GW-71	2/27/14	11:05	Lochran Road	2L	A	AQ										X												
GW-72	2/27/14	10:15	Lochran Road	2L	A	AQ										X												

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: 541-938-2170 Fax: _____
Email: Steven.patten@wwbwc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other _____

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other _____
*Bottle Preservative Type: T = Thiosulfate, O = Other _____



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY
 Storage Secured Yes No
 Laboratory Project ID: 1400175
 Storage ID: WR2 Temp: 1.2 °C

Project I.D.: Lochan Road AR P.O.# _____ Sampler: STEVEN PATTEN
 (Name)

TAT: (Check One):
 Standard: 21 Days
 Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name WALLA WALLA BASIN WATERCRESS COUNCIL Company WATERCRESS COUNCIL Address 810 S MAD ST. City MELTON-FREWATER, OR State OR Zip 97867 Ph# 541-938-2170 Fax#
 Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 2-27-14 Time: 12:45 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) [Signature] Date: 2/28/14 Time: 1:53 Received by: (Signature and Printed Name) B. Benedict Date: 02/28/14 Time: 1:00

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 • Fax (916) 673-0106

 ATTN: _____

Method of Shipment: _____

 Tracking No.: _____

Sample ID	Date	Time	Location/Sample Description
<u>CANAL - SOURCE</u>	<u>2/27/14</u>		<u>Lochan Road</u>
<u>GW-136</u>	<u>2/27/14</u>	<u>12:20</u>	<u>Stream Pond</u>
<u>SOIL #11</u>	<u>2/27/14</u>	<u>8:00</u>	<u>Lochan Road</u>

Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	Add Analysis(es) Requested																	
																		EPA1613	EPA8290	EPA8280	EPA1668	EPA1614	CARB429												

Special Instructions/Comments:

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
 Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: 541-938-2170 Fax: _____
 Email: steven.patten@wlabinc.org
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
 P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate,
 O = Other _____



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured Yes No

Laboratory Project ID: 1400175

Storage ID: WR-2 Temp: 1.2 °C

Project I.D.: Lochlan Road AR P.O.# _____ Sampler: STEVEN PATEN
(Name)

TAT: (Check One):
Standard: 21 Days
Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name WALLA WALLA BASED WATERWORKS COUNCIL Company _____ Address 810 S. MARU ST City MELTON FERRARIAN State OR Zip 97862 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) STEVEN PATEN Date: 2-27-14 Time: 13:45 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) UPS PATEN Date: 02/28/14 Time: 1153 Received by: (Signature and Printed Name) Benedict Date: 02/28/14 Time: 1200

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: _____

Add Analysis(es) Requested

Tracking No.: _____

Container(s)

ATTN: _____

Sample ID	Date	Time	Location/Sample Description	Quantity		Add Analysis(es) Requested															
				Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
SOIL #1	2/27/14	8:00	LOCHLAN ROAD	G	SO																X
SOIL #2		8:03		G	SO																X
SOIL #3		8:10		G	SO																X
SOIL #4		8:13		G	SO																X
SOIL #5		8:17		G	SO																X
SOIL #6		8:20		G	SO																X
SOIL #7		8:27		G	SO																X
SOIL #8		8:30		G	SO																X
SOIL #9		8:37		G	SO																X
SOIL #10		8:45		G	SO																X

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATEN
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: 541-938-2170 Fax: _____
Email: Steven.paten@wslwbc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
AQ = Aqueous, O = Other _____

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MMS Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate,
O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400175

TAT

Samples Arrival:	Date/Time 02/28/14 1153	Initials: CBB	Location: WR2
			Shelf/Rack: NA
Logged In:	Date/Time 02/28/14 1254	Initials: CBB	Location: WR2
			Shelf/Rack: B3
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 0.6 (uncorrected)	Time: 1158		Thermometer ID: IR-2
Temp °C: 0.6 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received? <u>A3B containers</u>	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?			<input checked="" type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Airbill	<input checked="" type="checkbox"/>		
Trk # <u>1Z62E3F70159150627</u>			
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?	<input checked="" type="checkbox"/>		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
Na ₂ S ₂ O ₃ Preservation Documented?			<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
			Return
			Dispose

Comments:

GW-71 A3B containers
 GW-72
 GW-70
 ↓

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400175 TAT Std

Samples Arrival:	Date/Time 02/28/14 1153	Initials: BSP	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 02/28/14 1256	Initials: BSP	Location: WR-2
			Shelf/Rack: B3/E4
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 1.2	(uncorrected)	Time: 1155	Thermometer ID: IR-2
Temp °C: 1.2	(corrected)		

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	Trk # 1Z62E 3F701 9248 2555		
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Anomaly/Sample Acceptance Form completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Na ₂ S ₂ O ₃ Preservation Documented?	COC	Sample Container	<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments: Note No Tape securing cooler lid.

GW-136 A & B containers

Canal Source A & B containers collection time 1245

Soil # 11 listed on COC, but not received in 2/28/14 shipment

Soil #1
2
3
4
5

Soil #6
7
8
9
10

Chain of Custody Anomaly/Sample Acceptance Form



Client: Walla Walla Basin Watershed Council
 Contact: Steven Patten
 Email: steven.patten@wwbwc.org
 Phone: (541) 938-2170

Workorder Number: 1400175
 Date Received: 28-Feb-14 11:53
 Documented by/date: B.Benedict 02/28/2014

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis.

Thank you,

Martha Maier
 mmaier@vista-analytical.com
 916-673-1520

The following information or item is needed to proceed with analysis:

- | | | |
|--|---|---|
| <input type="checkbox"/> Complete Chain-of-Custody | <input type="checkbox"/> Preservative | <input type="checkbox"/> Collector's Name |
| <input type="checkbox"/> Test Method Requested | <input type="checkbox"/> Sample Identification | <input type="checkbox"/> Sample Type |
| <input type="checkbox"/> Analyte List Requested | <input type="checkbox"/> Sample Collection Date and/or Time | <input type="checkbox"/> Sample Location |
| <input checked="" type="checkbox"/> Other:
COC list sample ID "Soil #11" with a collection date & time. However, quantity field left blank. And didn't receive sample in 02/28/14 shipment. | | |

The following anomalies were noted. Authorization is needed to proceed with analysis.

- | | | | |
|--|---|-----|-----------|
| <input type="checkbox"/> Temperature outside < 6°C Range | Samples Affected: _____ | | |
| Temperature _____°C | Ice Present? | Yes | No Melted |
| <input type="checkbox"/> Sample ID Discrepancy | <input type="checkbox"/> Insufficient Sample Size | | |
| <input type="checkbox"/> Sample Holding Time Missed | <input type="checkbox"/> Sample Container(s) Broken | | |
| <input type="checkbox"/> Custody Seals Broken | <input type="checkbox"/> Incorrect Container Type | | |

Comments:

Client Authorization

Proceed with Analysis: YES NO Signature and Date Col. Fisher 2/28/2014

Client Comments/Instructions sample not collected.



Burlington WA
Corporate Office

1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology

805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

June 3, 2014

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-08646 - Water Quality Multiple Locations

Dear Mr. Steven Patten,

Your project: Water Quality Multiple Locations, was received on Thursday May 15, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



Burlington WA
Corporate Office

Bellingham WA
Microbiology

Portland OR
Microbiology/Chemistry

1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

805 Orchard Dr Ste 4 - 98225
360.671.0688

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20858
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/19/14
Extraction Method: 3510C

Report Date: 5/27/14
Date Analyzed: 5/19/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140519

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20859
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/19/14
Extraction Method: 3510C

Report Date: 5/27/14
Date Analyzed: 5/19/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140519

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20860
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/19/14
Extraction Method: 3510C

Report Date: 5/27/14
Date Analyzed: 5/19/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140519

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
	- Organochlorine Pesticides								
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20861
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 5/13/14
Extraction Date: 5/19/14
Extraction Method: 3510C

Report Date: 5/27/14
Date Analyzed: 5/19/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140519

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20858
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/20/14
Extraction Method: 3510C

Report Date: 5/30/14
Date Analyzed: 5/20/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140520

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.10	J	ug/L	0.1	0.1	0.06	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20859
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/20/14
Extraction Method: 3510C

Report Date: 5/30/14
Date Analyzed: 5/20/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140520

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.04	J	ug/L	0.1	0.1	0.06	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20860
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/20/14
Extraction Method: 3510C

Report Date: 5/30/14
Date Analyzed: 5/20/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140520

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20861
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 5/13/14
Extraction Date: 5/20/14
Extraction Method: 3510C

Report Date: 5/30/14
Date Analyzed: 5/20/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140520

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	
1861-32-1	TOTAL DCPA	0.16		ug/L	0.1	0.1	0.06	1.00	Field DUP: 0.16 ug/L
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

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D.F. - Dilution Factor.

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20858
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/23/14
Extraction Method: 5030B

Report Date: 6/3/14
Date Analyzed: 5/23/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140523

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4		1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4		1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4		1.00	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4		1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4		1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4		1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4		1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4		1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20859
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/23/14
Extraction Method: 5030B

Report Date: 6/3/14
Date Analyzed: 5/23/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140523

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.26	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4		1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4		1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4		1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.2	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4		1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0		1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.14	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.29	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.28	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.31	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4		1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.31	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.23	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.25	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.23	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.44	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.27	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.3	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4		1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.29	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4		1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4		1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.18	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.21	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.13	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.26	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.2	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4		1.00	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.17	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20860
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/13/14
Extraction Date: 5/23/14
Extraction Method: 5030B

Report Date: 6/3/14
Date Analyzed: 5/23/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140523

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.26	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.17	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.2	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0		1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.14	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.29	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.31	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.31	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.23	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4		1.00	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.25	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4		1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.23	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.44	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.27	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.3	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0		1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.22	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4		1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4		1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.19	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.13	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.26	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.2	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4		1.00	

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.



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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locati

Lab Number: 20861
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 5/13/14
Extraction Date: 5/23/14
Extraction Method: 5030B

Report Date: 6/3/14
Date Analyzed: 5/23/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140523

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-08646**
Project: Water Quality Multiple Locations

Report Date: 6/3/14
Date Received: 5/15/14
Reviewed by:

Sample Description: GW-70 - Locher Rd.								Sample Date: 5/13/14			
Lab Number: 20858		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.00	245.1	5/19/14	MMH	245.1_140519	
NA	BICARBONATE	54.8	1		mg CaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
NA	CARBONATE	ND	1		mgCaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
E-10617	TURBIDITY	1.56	0.10		NTU	1.00	180.1	5/15/14	MMH	TURB_140515	
16887-00-6	CHLORIDE	1.10	0.1	0.01	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
16984-48-8	FLUORIDE	0.13	0.1	0.006	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14797-55-8	NITRATE-N	0.25	0.100	0.008	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14808-79-8	SULFATE	1.86	0.2	0.015	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
NA	CORROSIVITY	-2.04			SI	1.00	SM203	5/23/14	MVP	COR_140523	
E-11712	COLOR	10	5		Color Units	.00	SM2120 B	5/15/14	MMH	COLOR_140515	pH:6.95
E-11734	ODOR	ND	1		TON	1.00	SM2150	5/15/14	SRF	ODOR_140515	Temperature: 41.1
E-14506	ALKALINITY	54.8	1		mg CaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	95	10		mg/L	1.00	SM2540 C	5/16/14	SRF	TDS_140516	
E-10139	HYDROGEN ION (pH)	6.95			pH Units	1.00	SM4500-H+ B	5/15/14	MMH	PH_140515	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.00	SM5540 C	5/16/14	KF	AMTEST_140516	Analyzed by Amtest
7439-89-6	IRON	0.10	0.050	0.0013	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7439-96-5	MANGANESE	0.007	0.005	0.0001	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7440-39-3	BARIUM	0.012	0.001	1.55E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-47-3	CHROMIUM	ND	0.001	3.52E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-50-8	COPPER	0.003	0.002	2.32E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7439-92-1	LEAD	0.00002 J	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7782-49-2	SELENIUM	0.00008 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-66-6	ZINC	0.001 J	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-70-2	CALCIUM	9.8	0.5	0.007	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7723-14-0	TOTAL PHOSPHORUS	0.168	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	5/29/14	SPL	TPHOS-140529	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. = Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

Data Report

Sample Description: GW-72 - Locher Rd.								Sample Date: 5/13/14			
Lab Number: 20859		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.00	245.1	5/19/14	MMH	245.1_140519	
NA	BICARBONATE	53.2	1		mg CaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
NA	CARBONATE	ND	1		mgCaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
E-10617	TURBIDITY	1.17	0.10		NTU	1.00	180.1	5/15/14	MMH	TURB_140515	
16887-00-6	CHLORIDE	0.95	0.1	0.01	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
16984-48-8	FLUORIDE	0.13	0.1	0.006	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14797-55-8	NITRATE-N	1.41	0.100	0.008	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14808-79-8	SULFATE	2.82	0.2	0.015	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
NA	CORROSIVITY	-2.09			SI	1.00	SM203	5/23/14	MVP	COR_140523	
E-11712	COLOR	5	5		Color Units/L.00		SM2120 B	5/15/14	MMH	COLOR_140515	pH:6.88
E-11734	ODOR	ND	1		TON	1.00	SM2150	5/15/14	SRF	ODOR_140515	Temperature: 38.4
E-14506	ALKALINITY	53.2	1		mg CaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	101	10		mg/L	1.00	SM2540 C	5/16/14	SRF	TDS_140516	
E-10139	HYDROGEN ION (pH)	6.88			pH Units	1.00	SM4500-H+ B	5/15/14	MMH	PH_140515	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.00	SM5540 C	5/16/14	KF	AMTEST_140516	Analyzed by Amtest
7439-89-6	IRON	0.07	0.050	0.0013	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7439-96-5	MANGANESE	0.002 J	0.005	0.0001	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7440-39-3	BARIUM	0.012	0.001	1.55E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-47-3	CHROMIUM	0.0004 J	0.001	3.52E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-50-8	COPPER	0.0014 J	0.002	2.32E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7439-92-1	LEAD	ND	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7782-49-2	SELENIUM	ND	0.002	3.12E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-66-6	ZINC	0.00095 J	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-70-2	CALCIUM	10.6	0.5	0.007	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7723-14-0	TOTAL PHOSPHORUS	0.105	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	5/29/14	SPL	TPHOS-140529	

Sample Description: GW-71 - Locher Rd.								Sample Date: 5/13/14			
Lab Number: 20860		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.00	245.1	5/19/14	MMH	245.1_140519	
NA	BICARBONATE	157.7	1		mg CaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
NA	CARBONATE	ND	1		mgCaCO3/L.00		SM2320 B	5/21/14	SRF	ALK_140521	
E-10617	TURBIDITY	0.50	0.10		NTU	1.00	180.1	5/15/14	MMH	TURB_140515	
16887-00-6	CHLORIDE	4.63	0.1	0.01	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
16984-48-8	FLUORIDE	0.12	0.1	0.006	mg/L	1.00	300.0	5/15/14	SRF	I140515A	

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Data Report

14797-55-8	NITRATE-N	22	0.100	0.008	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14808-79-8	SULFATE	30	0.2	0.015	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
NA	CORROSIVITY	-1.23			SI	1.00	SM203	5/23/14	MVP	COR_140523	
E-11712	COLOR	5	5		Color Units	.00	SM2120 B	5/15/14	MMH	COLOR_140515	pH:6.62
E-11734	ODOR	ND	1		TON	1.00	SM2150	5/15/14	SRF	ODOR_140515	Temperature: 38.4
E-14506	ALKALINITY	157.7	1		mg CaCO3/L	.00	SM2320 B	5/21/14	SRF	ALK_140521	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	373	10		mg/L	1.00	SM2540 C	5/16/14	SRF	TDS_140516	
E-10139	HYDROGEN ION (pH)	6.62			pH Units	1.00	SM4500-H+ B	5/15/14	MMH	PH_140515	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.00	SM5540 C	5/16/14	KF	AMTEST_140516	Analyzed by Amtest
7439-89-6	IRON	0.01 J	0.050	0.0013	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7439-96-5	MANGANESE	0.002 J	0.005	0.0001	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7440-39-3	BARIUM	0.084	0.001	1.55E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-47-3	CHROMIUM	0.0004 J	0.001	3.52E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-50-8	COPPER	0.0034	0.002	2.32E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7439-92-1	LEAD	ND	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7782-49-2	SELENIUM	0.00016 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-66-6	ZINC	0.0012 J	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM	
7440-70-2	CALCIUM	53.3	0.5	0.007	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B	
7723-14-0	TOTAL PHOSPHORUS	0.078	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	5/29/14	SPL	TPHOS-140529	

Sample Description: Intake - Locher Rd. Sample Date: 5/13/14
 Lab Number: 20861 Sample Comment: Collected By: Mr. Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.00	245.1	5/19/14	MMH	245.1_140519	
NA	BICARBONATE	39.3	1		mg CaCO3/L	.00	SM2320 B	5/21/14	SRF	ALK_140521	
NA	CARBONATE	ND	1		mg CaCO3/L	.00	SM2320 B	5/21/14	SRF	ALK_140521	
E-10617	TURBIDITY	6.01	0.10		NTU	1.00	180.1	5/15/14	MMH	TURB_140515	
16887-00-6	CHLORIDE	0.89	0.1	0.01	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
16984-48-8	FLUORIDE	ND	0.1	0.006	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14797-55-8	NITRATE-N	0.19	0.100	0.008	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
14808-79-8	SULFATE	1.84	0.2	0.015	mg/L	1.00	300.0	5/15/14	SRF	I140515A	
NA	CORROSIVITY	-1.71			SI	1.00	SM203	5/23/14	MVP	COR_140523	
E-11712	COLOR	7	5		Color Units	.00	SM2120 B	5/15/14	MMH	COLOR_140515	pH:7.54
E-11734	ODOR	1	1		TON	1.00	SM2150	5/15/14	SRF	ODOR_140515	Temperature: 38.4
E-14506	ALKALINITY	39.3	1		mg CaCO3/L	.00	SM2320 B	5/21/14	SRF	ALK_140521	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	68	10		mg/L	1.00	SM2540 C	5/16/14	SRF	TDS_140516	
E-10139	HYDROGEN ION (pH)	7.54			pH Units	1.00	SM4500-H+ B	5/15/14	MMH	PH_140515	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.00	SM5540 C	5/16/14	KF	AMTEST_140516	Analyzed by Amtest

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Data Report

7439-89-6	IRON	0.53	0.050	0.0013	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B
7439-96-5	MANGANESE	0.015	0.005	0.0001	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B
7440-39-3	BARIUM	0.012	0.001	1.55E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7440-47-3	CHROMIUM	0.0002 J	0.001	3.52E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7440-50-8	COPPER	0.0011 J	0.002	2.32E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7439-92-1	LEAD	0.0002 J	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7782-49-2	SELENIUM	0.00004 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7440-66-6	ZINC	0.003	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	5/21/14	MVP	200.8_140521WM
7440-70-2	CALCIUM	7.5	0.5	0.007	mg/L	1.00	200.7/3010A	5/20/14	BJ	200.7-140520B
7723-14-0	TOTAL PHOSPHORUS	0.044	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	5/29/14	SPL	TPHOS-140529

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
200.7-140520B	CALCIUM	25.5	26	mg/L	200.7	98	85-115	LFB	
	IRON	0.91	1	mg/L	200.7	91	85-115		
	MANGANESE	0.93	1	mg/L	200.7	93	85-115		
200.8_140521WV	BARIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	CADMIUM	0.041	0.040	mg/L	200.8	103	85-115		
	CHROMIUM	0.042	0.040	mg/L	200.8	105	85-115		
	COPPER	0.042	0.040	mg/L	200.8	105	85-115		
	LEAD	0.042	0.040	mg/L	200.8	105	85-115		
	SELENIUM	0.039	0.040	mg/L	200.8	98	85-115		
	SILVER	0.043	0.040	mg/L	200.8	108	85-115		
	ZINC	0.042	0.040	mg/L	200.8	105	85-115		
200.8_140521WV	BARIUM	0.002	0.002	mg/L	200.8	100	85-115	LFB	
	CADMIUM	0.0019	0.002	mg/L	200.8	95	85-115		
	CHROMIUM	0.0023	0.002	mg/L	200.8	115	85-115		
	COPPER	0.0022	0.002	mg/L	200.8	110	85-115		
	LEAD	0.002	0.002	mg/L	200.8	100	85-115		
	SELENIUM	0.0018	0.002	mg/L	200.8	90	85-115		
	SILVER	0.0022	0.002	mg/L	200.8	110	85-115		
	ZINC	0.0022	0.002	mg/L	200.8	110	85-115		
245.1_140519	MERCURY	0.00165	0.00167	mg/L	245.1	99	85-115	LFB	
8081W_140519	4,4' - DDD	0.24	0.25	ug/L	8081A	96	78-132	LFB	
	4,4' - DDE	0.24	0.25	ug/L	8081A	96	73-127		
	4,4' - DDT	0.32	0.25	ug/L	8081A	128	56-158		
	ALDRIN	0.24	0.25	ug/L	8081A	96	68-128		
	ALPHA-CHLORDANE	0.25	0.25	ug/L	8081A	100	70-130		
	BHC, ALPHA -	0.26	0.25	ug/L	8081A	104	37-134		
	BHC, BETA -	0.27	0.25	ug/L	8081A	108	17-147		
	BHC, DELTA -	0.25	0.25	ug/L	8081A	100	32-127		
	DIELDRIN	0.27	0.25	ug/L	8081A	108	74-134		

*Notation:
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-08646

Report Date: 06/03/14

Batch	Analyte	Result	True			Method	% Recovery	Limits*	QC	
			Value	Units					Qualifier Type*	Comment
8081W_140519	ENDOSULFAN I	0.24	0.25	ug/L		8081A	96	67-133	LFB	
	ENDOSULFAN II	0.24	0.25	ug/L		8081A	96	64-142		
	ENDOSULFAN SULFATE	0.29	0.25	ug/L		8081A	116	71-143		
	ENDRIN	0.28	0.25	ug/L		8081A	112	30-147		
	ENDRIN ALDEHYDE	0.23	0.25	ug/L		8081A	92	78-110		
	ENDRIN KETONE	0.31	0.25	ug/L		8081A	124	70-130		
	GAMMA-CHLORDANE	0.25	0.25	ug/L		8081A	100	74-124		
	HEPTACHLOR	0.25	0.25	ug/L		8081A	100	61-133		
	HEPTACHLOR EPOXIDE "B"	0.27	0.25	ug/L		8081A	108	73-127		
	LINDANE (BHC - GAMMA)	0.25	0.25	ug/L		8081A	100	17-140		
	METHOXYCHLOR	0.29	0.25	ug/L		8081A	116	41-157		
	DECACHLOROBIPHENYL (Surr)	80		%		8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	96		%		8081A		67-115		
8151W_140520	PICLORAM	1.99	2.22	ug/L		8151A	90	48-114	LFB	
	3,5 - DICHLOROBENZOIC ACID	2.41	2.22	ug/L		8151A	109	70-130		
	BENTAZON	5.01	4.44	ug/L		8151A	113	67-121		
	TOTAL DCPA	2.44	2.22	ug/L		8151A	110	48-168		
	2,4 - D	4.84	4.44	ug/L		8151A	109	60-120		
	2,4 DB	14.7	17.8	ug/L		8151A	83	49-134		
	2,4,5 - TP (SILVEX)	2.53	2.22	ug/L		8151A	114	68-122		
	2,4,5 T	2.52	2.22	ug/L		8151A	114	62-128		
	DALAPON	29.6	28.9	ug/L		8151A	102	53-142		
	DICAMBA	2.65	2.22	ug/L		8151A	119	66-126		
	DICHLORPROP	7.41	6.66	ug/L		8151A	111	63-123		
	DINOSEB	4.38	4.44	ug/L		8151A	99	73-127		
	MCPA	2.2	2.22	ug/L		8151A	99	49-121		
	MCPP	2	2.22	ug/L		8151A	90	48-126		
	PENTACHLOROPHENOL	2.4	2.22	ug/L		8151A	108	69-123		
	ACIFLUORFEN	2.52	2.22	ug/L		8151A	114	65-125		
	TRICLOPYR	2.64	2.22	ug/L		8151A	119	70-130		
2,4 - DCAA (Surr)	101		%		8151A		61-129			
8260W_140523	1,1 - DICHLOROETHANE	4.2	4	ug/L		8260B	105	80-120	LFB	

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-08646

Report Date: 06/03/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140523	1,1 - DICHLOROETHYLENE	3.9	4	ug/L	8260B	98	80-120	LFB	
	1,1 - DICHLOROPROPENE	3.5	4	ug/L	8260B	88	80-120		
	1,1,1 - TRICHLOROETHANE	4.2	4	ug/L	8260B	105	80-120		
	1,1,1,2 - TETRACHLOROETHANE	4.2	4	ug/L	8260B	105	80-120		
	1,1,2 - TRICHLOROETHANE	4.2	4	ug/L	8260B	105	80-120		
	1,1,2,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	80-120		
	1,2 - DICHLOROBENZENE (ortho)	3.7	4	ug/L	8260B	93	80-120		
	1,2 - DICHLOROETHANE	4.1	4	ug/L	8260B	103	80-120		
	1,2 - DICHLOROPROPANE	3.5	4	ug/L	8260B	88	80-120		
	1,2,3 - TRICHLOROBENZENE	3.6	4	ug/L	8260B	90	80-120		
	1,2,3 - TRICHLOROPROPANE	4.1	4	ug/L	8260B	103	80-120		
	1,2,4 - TRICHLOROBENZENE	3.4	4	ug/L	8260B	85	80-120		
	1,2,4 - TRIMETHYLBENZENE	3.3	4	ug/L	8260B	83	80-120		
	1,2-DIBROMO-3-CHLOROPROPANE	3.5	4	ug/L	8260B	88	80-120		
	1,3 - DICHLOROBENZENE (meta)	3.9	4	ug/L	8260B	98	80-120		
	1,3 - DICHLOROPROPANE	4.0	4	ug/L	8260B	100	80-120		
	1,3,5 - TRIMETHYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	1,4 - DICHLOROBENZENE (para)	4.1	4	ug/L	8260B	103	80-120		
	2,2 - DICHLOROPROPANE	4.1	4	ug/L	8260B	103	80-120		
	BENZENE	3.8	4	ug/L	8260B	95	80-120		
	BROMOBENZENE	3.7	4	ug/L	8260B	93	80-120		
	BROMOCHLOROMETHANE	4.1	4	ug/L	8260B	103	80-120		
	BROMODICHLOROMETHANE	4.3	4	ug/L	8260B	108	80-120		
	BROMOFORM	4.0	4	ug/L	8260B	100	80-120		
	BROMOMETHANE	4.4	4	ug/L	8260B	110	80-120		
	CARBON TETRACHLORIDE	4.3	4	ug/L	8260B	108	80-120		
	CHLOROBENZENE	4.2	4	ug/L	8260B	105	80-120		
	CHLOROETHANE	4.3	4	ug/L	8260B	108	80-120		
	CHLOROFORM	4.4	4	ug/L	8260B	110	80-120		
	CHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120		
	CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	80-120		
	CIS - 1,3 - DICHLOROPROPENE	3.4	4	ug/L	8260B	85	80-120		
	DIBROMOCHLOROMETHANE	4.3	4	ug/L	8260B	108	80-120		
	DIBROMOMETHANE	4.4	4	ug/L	8260B	110	80-120		
	DICHLORODIFLUOROMETHANE	4.0	4	ug/L	8260B	100	80-120		
	ETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120		

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140523	HEXACHLOROBUTADIENE	3.2	4	ug/L	8260B	80	80-120	LFB	
	ISOPROPYLBENZENE	3.4	4	ug/L	8260B	85	80-120		
	M,P- XYLENE	7.3	8	ug/L	8260B	91	80-120		
	METHYL TERT-BUTYL ETHER	3.6	4	ug/L	8260B	90	80-120		
	METHYLENE CHLORIDE	4.2	4	ug/L	8260B	105	80-120		
	N - BUTYLBENZENE	3.2	4	ug/L	8260B	80	80-120		
	N - PROPYLBENZENE	3.4	4	ug/L	8260B	85	80-120		
	NAPHTHALENE	3.7	4	ug/L	8260B	93	80-120		
	O - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	80-120		
	O - XYLENE	3.3	4	ug/L	8260B	83	80-120		
	P - CHLOROTOLUENE	3.6	4	ug/L	8260B	90	80-120		
	P - ISOPROPYLTOLUENE	3.4	4	ug/L	8260B	85	80-120		
	SEC - BUTYLBENZENE	3.4	4	ug/L	8260B	85	80-120		
	STYRENE	3.5	4	ug/L	8260B	88	80-120		
	TERT - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	TETRACHLOROETHYLENE	4.1	4	ug/L	8260B	103	80-120		
	TOLUENE	3.9	4	ug/L	8260B	98	80-120		
	TRANS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120		
	TRANS - 1,3 - DICHLOROPROPENE	3.6	4	ug/L	8260B	90	80-120		
	TRICHLOROETHENE	4.1	4	ug/L	8260B	103	80-120		
TRICHLOROFLUOROMETHANE	4.7	4	ug/L	8260B	118	80-120			
VINYL CHLORIDE	3.8	4	ug/L	8260B	95	80-120			
d8-TOLUENE (Surr)	104	100	%	8260B	104				
ALK_140521	ALKALINITY	102.8	100	mg CaCO3/ISM2320 B		103	70-130	LFB	

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-08646

Report Date: 06/03/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081W_140519	4,4' - DDD	0.058	0.05	ug/L	8081A	116	78-132		LFBD	
	4,4' - DDE	0.058	0.05	ug/L	8081A	116	73-127			
	4,4' - DDT	0.060	0.05	ug/L	8081A	120	56-158			
	ALDRIN	0.055	0.05	ug/L	8081A	110	68-128			
	ALPHA-CHLORDANE	0.048	0.05	ug/L	8081A	96	70-130			
	BHC, ALPHA -	0.06	0.05	ug/L	8081A	120	37-134			
	BHC, BETA -	0.032	0.05	ug/L	8081A	64	17-147			
	BHC, DELTA -	0.062	0.05	ug/L	8081A	124	32-127			
	DIELDRIN	0.06	0.05	ug/L	8081A	120	74-134			
	ENDOSULFAN I	0.061	0.05	ug/L	8081A	122	67-133			
	ENDOSULFAN II	0.063	0.05	ug/L	8081A	126	64-142			
	ENDOSULFAN SULFATE	0.060	0.05	ug/L	8081A	120	71-143			
	ENDRIN	0.065	0.05	ug/L	8081A	130	30-147			
	ENDRIN ALDEHYDE	0.047	0.05	ug/L	8081A	94	78-110			
	ENDRIN KETONE	0.069	0.05	ug/L	8081A	138	70-130			
	GAMMA-CHLORDANE	0.056	0.05	ug/L	8081A	112	74-124			
	HEPTACHLOR	0.055	0.05	ug/L	8081A	110	61-133			
	HEPTACHLOR EPOXIDE "B"	0.061	0.05	ug/L	8081A	122	73-127			
	LINDANE (BHC - GAMMA)	0.048	0.05	ug/L	8081A	96	17-140			
	METHOXYCHLOR	0.070	0.05	ug/L	8081A	140	41-157			
	DECACHLOROBIIPHENYL (Surr)	104		%	8081A		58-132			
	TETRACHLORO-M-XYLENE (Surr)	122		%	8081A		67-115			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
200.7-140520B	CALCIUM	ND		mg/L	200.7		0.00000	LRB	
	IRON	ND		mg/L	200.7		0.02500		
	MANGANESE	ND		mg/L	200.7		0.00250		
200.8_140521WV	BARIUM	ND		mg/L	200.8		0.00050	LRB	
	CADMIUM	ND		mg/L	200.8		0.00050		
	CHROMIUM	ND		mg/L	200.8		0.00250		
	COPPER	ND		mg/L	200.8		0.00250		
	LEAD	ND		mg/L	200.8		0.00050		
	SELENIUM	ND		mg/L	200.8		0.00250		
	SILVER	ND		mg/L	200.8		0.00050		
	ZINC	ND		mg/L	200.8		0.00250		
245.1_140519	MERCURY	ND		mg/L	245.1		0.00010	LRB	
ALK_140521	ALKALINITY	ND		mg CaCO3/ISM2320 B			0.00000	LRB	
I140515A	FLUORIDE	ND		mg/L	300.0		0.01000	LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000		
	CHLORIDE	ND		mg/L	300.0		0.10000		
	SULFATE	ND		mg/L	300.0		0.10000		
TPHOS-140529	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.01000	LRB	

*Notation:
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 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
200.7-140520B	CALCIUM	ND		mg/L	200.7		0.00000	MB	
	IRON	ND		mg/L	200.7		0.02500		
	MANGANESE	ND		mg/L	200.7		0.00250		
200.8_140521WV	BARIUM	ND		mg/L	200.8		0.00050	MB	
	CADMIUM	ND		mg/L	200.8		0.00050		
	CHROMIUM	ND		mg/L	200.8		0.00250		
	COPPER	ND		mg/L	200.8		0.00250		
	LEAD	ND		mg/L	200.8		0.00050		
	SELENIUM	ND		mg/L	200.8		0.00250		
	SILVER	ND		mg/L	200.8		0.00050		
	ZINC	ND		mg/L	200.8		0.00250		
8081W_140519	4,4' - DDD	ND		ug/L	8081A		0.02000	MB	
	4,4' - DDE	ND		ug/L	8081A		0.02000		
	4,4' - DDT	ND		ug/L	8081A		0.02000		
	ALDRIN	ND		ug/L	8081A		0.02000		
	ALPHA-CHLORDANE	ND		ug/L	8081A		0.02000		
	BHC, ALPHA -	ND		ug/L	8081A		0.02000		
	BHC, BETA -	ND		ug/L	8081A		0.02000		
	BHC, DELTA -	ND		ug/L	8081A		0.02000		
	DIELDRIN	ND		ug/L	8081A		0.02000		
	ENDOSULFAN I	ND		ug/L	8081A		0.02000		
	ENDOSULFAN II	ND		ug/L	8081A		0.02000		
	ENDOSULFAN SULFATE	ND		ug/L	8081A		0.02000		
	ENDRIN	ND		ug/L	8081A		0.02000		
	ENDRIN ALDEHYDE	ND		ug/L	8081A		0.02000		
	ENDRIN KETONE	ND		ug/L	8081A		0.02000		
	GAMMA-CHLORDANE	ND		ug/L	8081A		0.02000		
	HEPTACHLOR	ND		ug/L	8081A		0.02000		
	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0.02000		
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0.02000		
	METHOXYCHLOR	ND		ug/L	8081A		0.02000		
DECACHLOROBIPHENYL (Surr)	81		%	8081A					

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	Qualifier Type*	Comment
8081W_140519	TETRACHLORO-M-XYLENE (Surr)	92		%	8081A			MB	
8151W_140520	PICLORAM	ND		ug/L	8151A		0.07000	MB	
	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	8151A		0.20000		
	BENTAZON	ND		ug/L	8151A		0.20000		
	TOTAL DCPA	ND		ug/L	8151A		0.03000		
	2,4 - D	ND		ug/L	8151A		0.03000		
	2,4 DB	ND		ug/L	8151A		0.30000		
	2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0.03000		
	2,4,5 T	ND		ug/L	8151A		0.03000		
	DALAPON	ND		ug/L	8151A		0.40000		
	DICAMBA	ND		ug/L	8151A		0.03000		
	DICHLORPROP	ND		ug/L	8151A		0.03000		
	DINOSEB	ND		ug/L	8151A		0.03000		
	MCPA	ND		ug/L	8151A		0.03000		
	MCPP	ND		ug/L	8151A		0.03000		
	PENTACHLOROPHENOL	ND		ug/L	8151A		0.03000		
	ACIFLUORFEN	ND		ug/L	8151A		0.03000		
	TRICLOPYR	ND		ug/L	8151A		0.03000		
	2,4 - DCAA (Surr)	108		%	8151A		0.00000		
8260W_140523	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0.12000	MB	
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0.12000		
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000		
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000		
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000		
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000		
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000		
	1,2 - DICHLORO BENZENE (ortho)	ND		ug/L	8260B		0.12000		
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0.12000		
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000		
	1,2,3 - TRICHLORO BENZENE	ND		ug/L	8260B		0.12000		
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0.12000		
	1,2,4 - TRICHLORO BENZENE	ND		ug/L	8260B		0.12000		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-08646

Report Date: 06/03/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8260W_140523	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000		MB	
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0.12000			
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0.12000			
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000			
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000			
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0.12000			
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000			
	BENZENE	ND		ug/L	8260B		0.12000			
	BROMOBENZENE	ND		ug/L	8260B		0.12000			
	BROMOCHLOROMETHANE	ND		ug/L	8260B		0.12000			
	BROMODICHLOROMETHANE	ND		ug/L	8260B		0.12000			
	BROMOFORM	ND		ug/L	8260B		0.12000			
	BROMOMETHANE	ND		ug/L	8260B		0.12000			
	CARBON TETRACHLORIDE	ND		ug/L	8260B		0.12000			
	CHLOROBENZENE	ND		ug/L	8260B		0.12000			
	CHLOROETHANE	ND		ug/L	8260B		0.12000			
	CHLOROFORM	ND		ug/L	8260B		0.12000			
	CHLOROMETHANE	ND		ug/L	8260B		0.12000			
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0.12000			
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000			
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0.12000			
	DIBROMOMETHANE	ND		ug/L	8260B		0.12000			
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0.12000			
	ETHYLBENZENE	ND		ug/L	8260B		0.12000			
	HEXACHLOROBUTADIENE	ND		ug/L	8260B		0.12000			
	ISOPROPYLBENZENE	ND		ug/L	8260B		0.12000			
	M,P- XYLENE	ND		ug/L	8260B		0.12000			
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0.25000			
	METHYLENE CHLORIDE	ND		ug/L	8260B		0.50000			
	N - BUTYLBENZENE	ND		ug/L	8260B		0.12000			
	N - PROPYLBENZENE	ND		ug/L	8260B		0.12000			
	NAPHTHALENE	ND		ug/L	8260B		0.12000			
	O - CHLOROTOLUENE	ND		ug/L	8260B		0.12000			
	O - XYLENE	ND		ug/L	8260B		0.12000			
	P - CHLOROTOLUENE	ND		ug/L	8260B		0.12000			
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0.12000			

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8260W_140523	SEC - BUTYLBENZENE	ND		ug/L	8260B		0.12000	MB	
	STYRENE	ND		ug/L	8260B		0.12000		
	TERT - BUTYLBENZENE	ND		ug/L	8260B		0.12000		
	TETRACHLOROETHYLENE	ND		ug/L	8260B		0.12000		
	TOLUENE	ND		ug/L	8260B		0.12000		
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0.12000		
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000		
	TRICHLOROETHENE	ND		ug/L	8260B		0.12000		
	TRICHLOROFUOROMETHANE	ND		ug/L	8260B		0.12000		
	VINYL CHLORIDE	ND		ug/L	8260B		0.12000		
	d8-TOLUENE (Surr)	102		%	8260B				
color_140515	COLOR	ND		CU	SM2120 B		1.25000	MB	
TDS_140516	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000	MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000		
TDS_140516	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000	MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000		
TPHOS-140529	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.02000	MB	
TURB_140515	TURBIDITY	ND		NTU	180.1		0.02000	MB	

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-08646
Report Date: 06/03/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140520B	IRON	0.98	1	mg/L	200.7	98	85-115	QCS	
	MANGANESE	1.02	1	mg/L	200.7	102	85-115		
200.7-140520B	CALCIUM	19.8	20	mg/L	200.7	99	85-115	QCS	
200.8_140521WW	BARIUM	0.038	0.040	mg/L	200.8	95	85-115	QCS	
	CADMIUM	0.037	0.040	mg/L	200.8	93	85-115		
	CHROMIUM	0.038	0.040	mg/L	200.8	95	85-115		
	COPPER	0.039	0.040	mg/L	200.8	98	85-115		
	LEAD	0.039	0.040	mg/L	200.8	98	85-115		
	SELENIUM	0.038	0.040	mg/L	200.8	95	85-115		
	SILVER	0.039	0.040	mg/L	200.8	98	85-115		
	ZINC	0.038	0.040	mg/L	200.8	95	85-115		
245.1_140519	MERCURY	0.00204	0.00200	mg/L	245.1	102	85-115	QCS	
ALK_140521	ALKALINITY	100.6	100	mg CaCO3/ISM2320 B		101	70-130	QCS	
color_140515	COLOR	10	10	CU	SM2120 B	100	80-120	QCS	
I140515A	FLUORIDE	2.50	2.5	mg/L	300.0	100	90-110	QCS	
	NITRATE-N	2.41	2.5	mg/L	300.0	96	80-120		
	CHLORIDE	29	30	mg/L	300.0	97	80-120		
	SULFATE	30	30	mg/L	300.0	100	80-120		
TDS_140516	TOTAL DISSOLVED SOLIDS (TDS)	482	500	mg/L	SM2540 C	96	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	482	500	mg/L	SM2540 C	96	80-120		
TDS_140516	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120		

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-08646

Report Date: 06/03/14

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type*	Comment
TPHOS-140529	TOTAL PHOSPHORUS	0.108	0.102	mg/L	SM4500-P F	106	70-130	QCS	
TURB_140515	TURBIDITY	1.06	1.00	NTU	180.1	106	70-130	QCS	

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



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**SAMPLE DEPENDENT
 QUALITY CONTROL REPORT**
 Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-08646
 Report Date: 6/3/2014

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
200.7-140520B										
	20861	MANGANESE	0.015	0.016	mg/L	6.5	0-20		DUP	
	20861	IRON	0.53	0.57	mg/L	7.3	0-20		DUP	
	20861	CALCIUM	7.5	7.5	mg/L	0.0	0-20		DUP	
200.8_140521WW										
	20861	CHROMIUM	0.0002	0.0002	mg/L	0.0	0-20		DUP	
	20861	COPPER	0.0011	0.00096	mg/L	13.6	0-50		DUP	
	20861	ZINC	0.003	0.0026	mg/L	14.3	0-50		DUP	
	20861	SELENIUM	0.00004	0.00014	mg/L	111.1	0-20	IEV	DUP	
	20861	BARIUM	0.012	0.012	mg/L	0.0	0-20		DUP	
	20861	LEAD	0.00021	0.00027	mg/L	25.0	0-20	IEV	DUP	
245.1_140519										
8081W_140519										
	20859	DECACHLOROBIPHENYL (Surr)	91	79	%	14.1	0-35		DUP	
	20859	TETRACHLORO-M-XYLENE (Surr)	122	102	%	17.9	0-35		DUP	
8151W_140520										
	20861	TOTAL DCPA	0.16	0.16	ug/L	0.0	0-35		DUP	
	20861	2,4 - DCAA (Surr)	116	98	%	16.8	0-35		DUP	
COLOR_140515										
	20861	COLOR	7	7	Color Units	0.0	0-45		DUP	
ODOR_140515										
TPHOS-140529										
	20859	TOTAL PHOSPHORUS	0.105	0.108	mg/L	2.8	0-50		DUP	
TURB_140515										
	20861	TURBIDITY	6.01	5.85	NTU	2.7	0-50		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc			MS	MSD				Qualifier	Type	
200.7-140520B															
	20861	MANGANESE	0.015	0.069		0.050	mg/L	108		70-130	NA	0-50			LFM
	20861	IRON	0.53	0.63		0.050	mg/L	200		70-130	NA	0-50	IS		LFM
	20861	CALCIUM	7.5	7.6		0.050	mg/L	200		70-130	NA	0-50	IS		LFM
200.8_140521WW															
	20861	CHROMIUM	0.0002	0.053		0.050	mg/L	106		70-130	NA	0-50			LFM
	20861	COPPER	0.0011	0.052		0.050	mg/L	102		70-130	NA	0-50			LFM
	20861	ZINC	0.003	0.054		0.050	mg/L	102		70-130	NA	0-50			LFM
	20861	SELENIUM	0.00004	0.053		0.050	mg/L	106		70-130	NA	0-50			LFM
	20861	SILVER	ND	0.055		0.050	mg/L	110		70-130	NA	0-50			LFM
	20861	CADMIUM	ND	0.052		0.050	mg/L	104		70-130	NA	0-50			LFM
	20861	BARIUM	0.012	0.063		0.050	mg/L	102		70-130	NA	0-50			LFM
	20861	LEAD	0.0002	0.053		0.050	mg/L	106		70-130	NA	0-50			LFM
245.1_140519															
	20859	MERCURY	ND	0.00175	0.00174	0.00167	mg/L	105	104	70-130	0.6	0-50			LFM
8081W_140519															
	20858	ALDRIN	ND	0.29		0.25	ug/L	116	NA	68-128	NA	0-30			LFM
	20858	BHC, ALPHA -	ND	0.27		0.25	ug/L	108	NA	37-134	NA	0-30			LFM
	20858	BHC, BETA -	ND	0.22		0.25	ug/L	88	NA	17-147	NA	0-30			LFM
	20858	LINDANE (BHC - GAMMA)	ND	0.23		0.25	ug/L	92	NA	19-140	NA	0-30			LFM
	20858	BHC, DELTA -	ND	0.29		0.25	ug/L	116	NA	32-127	NA	0-30			LFM
	20858	ALPHA-CHLORDANE	ND	0.27		0.25	ug/L	108	NA	70-130	NA	0-30			LFM
	20858	GAMMA-CHLORDANE	ND	0.27		0.25	ug/L	108	NA	74-124	NA	0-30			LFM
	20858	4,4' - DDT	ND	0.34		0.25	ug/L	136	NA	56-158	NA	0-30			LFM
	20858	4,4' - DDE	ND	0.25		0.25	ug/L	100	NA	73-127	NA	0-30			LFM
	20858	4,4' - DDD	ND	0.27		0.25	ug/L	108	NA	78-132	NA	0-30			LFM
	20858	DIELDRIN	ND	0.31		0.25	ug/L	124	NA	74-134	NA	0-30			LFM
	20858	ENDOSULFAN I	ND	0.26		0.25	ug/L	104	NA	67-133	NA	0-30			LFM
	20858	ENDOSULFAN II	ND	0.25		0.25	ug/L	100	NA	64-142	NA	0-30			LFM
	20858	ENDOSULFAN SULFATE	ND	0.31		0.25	ug/L	124	NA	71-143	NA	0-30			LFM
	20858	ENDRIN	ND	0.32		0.25	ug/L	128	NA	30-147	NA	0-30			LFM
	20858	ENDRIN ALDEHYDE	ND	0.23		0.25	ug/L	92	NA	78-110	NA	0-30			LFM
	20858	ENDRIN KETONE	ND	0.33		0.25	ug/L	132	NA	70-130	NA	0-30	M1		LFM
	20858	HEPTACHLOR	ND	0.31		0.25	ug/L	124	NA	61-133	NA	0-30			LFM
	20858	HEPTACHLOR EPOXIDE "B"	ND	0.29		0.25	ug/L	116	NA	73-127	NA	0-30			LFM

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Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	20858	METHOXYCHLOR	ND	0.38	0.25	ug/L	152	NA	41-157	NA	0-30		LFM	
	20858	DECACHLOROBIPHENYL (Surr)	92	92		%		NA	58-132	NA	0-30		LFM	
	20858	TETRACHLORO-M-XYLENE (Surr)	126	116		%		NA	67-115	NA	0-30		LFM	
8151W_140520														
	20858	PICLORAM	ND	2.2	2.2	ug/L	100	NA	48-114	NA	0-30		LFM	
	20858	3,5 - DICHLOROBENZOIC ACID	ND	2.45	2.2	ug/L	111	NA	70-130	NA	0-30		LFM	
	20858	BENTAZON	ND	4.5	4.5	ug/L	100	NA	67-121	NA	0-30		LFM	
	20858	TOTAL DCPA	0.1	2.36	2.2	ug/L	103	NA	48-168	NA	0-30		LFM	
	20858	DALAPON	ND	27.5	29.2	ug/L	94	NA	53-142	NA	0-30		LFM	
	20858	2,4 DB	ND	20.7	18	ug/L	115	NA	49-134	NA	0-30		LFM	
	20858	DINOSEB	ND	4.41	4.5	ug/L	98	NA	73-127	NA	0-30		LFM	
	20858	DICAMBA	ND	2.42	2.2	ug/L	110	NA	66-126	NA	0-30		LFM	
	20858	DICHLORPROP	ND	7.01	6.7	ug/L	105	NA	63-123	NA	0-30		LFM	
	20858	2,4 - D	ND	4.73	4.5	ug/L	105	NA	60-120	NA	0-30		LFM	
	20858	PENTACHLOROPHENOL	ND	2.15	2.2	ug/L	98	NA	69-123	NA	0-30		LFM	
	20858	2,4,5 - TP (SILVEX)	ND	2.37	2.2	ug/L	108	NA	68-122	NA	0-30		LFM	
	20858	2,4,5 T	ND	2.39	2.2	ug/L	109	NA	62-128	NA	0-30		LFM	
	20858	MCPA	ND	2.25	2.2	ug/L	102	NA	49-121	NA	0-30		LFM	
	20858	MCPP	ND	2.02	2.2	ug/L	92	NA	48-126	NA	0-30		LFM	
	20858	ACIFLUORFEN	ND	2.56	2.2	ug/L	116	NA	65-125	NA	0-30		LFM	
	20858	TRICLOPYR	ND	2.48	2.2	ug/L	113	NA	65-135	NA	0-30		LFM	
	20858	2,4 - DCAA (SURRE)	116	117		%		NA	61-129	NA	0-30		LFM	
8260W_140523														
	20858	1,2-DIBROMO-3-CHLOROPROPANE	ND	3.3	4	ug/L	83	NA	70-130	NA	0-60		LFM	
	20858	TRANS - 1,2 - DICHLOROETHENE	ND	3.3	4	ug/L	83	NA	70-130	NA	0-60		LFM	
	20858	1,1 - DICHLOROETHANE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	20858	2,2 - DICHLOROPROPANE	ND	3.5	4	ug/L	88	NA	70-130	NA	0-60		LFM	
	20858	CIS - 1,2 - DICHLOROETHENE	ND	3.2	4	ug/L	80	NA	70-130	NA	0-60		LFM	
	20858	BROMOCHLOROMETHANE	ND	3.7	4	ug/L	93	NA	70-130	NA	0-60		LFM	
	20858	CHLOROFORM	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	20858	1,1,1 - TRICHLOROETHANE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	20858	1,1 - DICHLOROPROPENE	ND	3.0	4	ug/L	75	NA	70-130	NA	0-60		LFM	
	20858	CARBON TETRACHLORIDE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	20858	BENZENE	ND	3.2	4	ug/L	80	NA	70-130	NA	0-60		LFM	
	20858	DICHLORODIFLUOROMETHANE	ND	3.4	4	ug/L	85	NA	70-130	NA	0-60		LFM	

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NA = Indicates %RPD could not be calculated

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
					Result	Conc		MS	MSD				Qualifier	Type	
20858	1,2 - DICHLOROETHANE	ND	3.4	4	4	ug/L	85	NA	70-130	NA	0-60		LFM		
20858	TRICHLOROETHENE	ND	3.2	4	4	ug/L	80	NA	70-130	NA	0-60		LFM		
20858	1,2 - DICHLOROPROPANE	ND	3.4	4	4	ug/L	85	NA	70-130	NA	0-60		LFM		
20858	DIBROMOMETHANE	ND	3.6	4	4	ug/L	90	NA	70-130	NA	0-60		LFM		
20858	BROMODICHLOROMETHANE	ND	3.7	4	4	ug/L	93	NA	70-130	NA	0-60		LFM		
20858	CIS - 1,3 - DICHLOROPROPENE	ND	2.9	4	4	ug/L	73	NA	70-130	NA	0-60		LFM		
20858	TOLUENE	ND	3.4	4	4	ug/L	85	NA	70-130	NA	0-60		LFM		
20858	TRANS - 1,3 - DICHLOROPROPENE	ND	3.0	4	4	ug/L	75	NA	70-130	NA	0-60		LFM		
20858	CHLOROMETHANE	ND	3.3	4	4	ug/L	83	NA	70-130	NA	0-60		LFM		
20858	1,1,2 - TRICHLOROETHANE	ND	3.3	4	4	ug/L	83	NA	70-130	NA	0-60		LFM		
20858	TETRACHLOROETHYLENE	ND	3.4	4	4	ug/L	85	NA	70-130	NA	0-60		LFM		
20858	1,3 - DICHLOROPROPANE	ND	3.1	4	4	ug/L	78	NA	70-130	NA	0-60		LFM		
20858	DIBROMOCHLOROMETHANE	ND	3.6	4	4	ug/L	90	NA	70-130	NA	0-60		LFM		
20858	CHLOROBENZENE	ND	3.5	4	4	ug/L	88	NA	70-130	NA	0-60		LFM		
20858	1,1,1,2 - TETRACHLOROETHANE	ND	3.5	4	4	ug/L	88	NA	70-130	NA	0-60		LFM		
20858	ETHYLBENZENE	ND	3.6	4	4	ug/L	90	NA	70-130	NA	0-60		LFM		
20858	M,P- XYLENE	ND	7.3	8	8	ug/L	91	NA	70-130	NA	0-60		LFM		
20858	VINYL CHLORIDE	ND	3.2	4	4	ug/L	80	NA	70-130	NA	0-60		LFM		
20858	O - XYLENE	ND	3.6	4	4	ug/L	90	NA	70-130	NA	0-60		LFM		
20858	STYRENE	ND	3.6	4	4	ug/L	90	NA	70-130	NA	0-60		LFM		
20858	BROMOFORM	ND	3.3	4	4	ug/L	83	NA	70-130	NA	0-60		LFM		
20858	ISOPROPYLBENZENE	ND	3.5	4	4	ug/L	88	NA	70-130	NA	0-60		LFM		
20858	1,2,3 - TRICHLOROPROPANE	ND	3.0	4	4	ug/L	75	NA	70-130	NA	0-60		LFM		
20858	BROMOBENZENE	ND	3.0	4	4	ug/L	75	NA	70-130	NA	0-60		LFM		
20858	1,1,2,2 - TETRACHLOROETHANE	ND	3.2	4	4	ug/L	80	NA	70-130	NA	0-60		LFM		
20858	O - CHLOROTOLUENE	ND	3.0	4	4	ug/L	75	NA	70-130	NA	0-60		LFM		
20858	N - PROPYLBENZENE	ND	3.5	4	4	ug/L	88	NA	70-130	NA	0-60		LFM		
20858	1,3,5 - TRIMETHYLBENZENE	ND	3.5	4	4	ug/L	88	NA	70-130	NA	0-60		LFM		
20858	BROMOMETHANE	ND	2.4	4	4	ug/L	60	NA	70-130	NA	0-60		LFM		
20858	P - CHLOROTOLUENE	ND	2.8	4	4	ug/L	70	NA	70-130	NA	0-60		LFM		
20858	TERT - BUTYLBENZENE	ND	3.5	4	4	ug/L	88	NA	70-130	NA	0-60		LFM		
20858	1,2,4 - TRIMETHYLBENZENE	ND	3.4	4	4	ug/L	85	NA	70-130	NA	0-60		LFM		
20858	SEC - BUTYLBENZENE	ND	3.4	4	4	ug/L	85	NA	70-130	NA	0-60		LFM		
20858	1,3 - DICHLOROBENZENE (meta)	ND	3.0	4	4	ug/L	75	NA	70-130	NA	0-60		LFM		
20858	P - ISOPROPYLTOLUENE	ND	2.8	4	4	ug/L	70	NA	70-130	NA	0-60		LFM		

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
					Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
20858	1,4 - DICHLOROBENZENE (para)		ND	3.3		4	ug/L	83	NA	70-130	NA	0-60			LFM
20858	1,2 - DICHLOROBENZENE (ortho)		ND	2.8		4	ug/L	70	NA	70-130	NA	0-60			LFM
20858	N - BUTYLBENZENE		ND	3.0		4	ug/L	75	NA	70-130	NA	0-60			LFM
20858	CHLOROETHANE		ND	3.0		4	ug/L	75	NA	70-130	NA	0-60			LFM
20858	1,2,4 - TRICHLOROBENZENE		ND	3.2		4	ug/L	80	NA	70-130	NA	0-60			LFM
20858	HEXACHLOROBUTADIENE		ND	3.2		4	ug/L	80	NA	70-130	NA	0-60			LFM
20858	NAPHTHALENE		ND	3.2		4	ug/L	80	NA	70-130	NA	0-60			LFM
20858	1,2,3 - TRICHLOROBENZENE		ND	2.9		4	ug/L	73	NA	70-130	NA	0-60			LFM
20858	TRICHLOROFLUOROMETHANE		ND	0.2		4	ug/L	5	NA	70-130	NA	0-60			LFM
20858	1,1 - DICHLOROETHYLENE		ND	3.4		4	ug/L	85	NA	70-130	NA	0-60			LFM
20858	METHYLENE CHLORIDE		ND	3.6		4	ug/L	90	NA	70-130	NA	0-60			LFM
20858	METHYL TERT-BUTYL ETHER		ND	2.8		4	ug/L	70	NA	70-130	NA	0-60			LFM
20858	d8-TOLUENE (Surr)		102	102		100	%	0	NA		NA				LFM
TPHOS-140529															
20859	TOTAL PHOSPHORUS		0.105	0.154	0.164	0.050	mg/L	98	118	70-130	18.5	0-50			LFM

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QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 14-08646

Report Date: 06/03/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081W_140519 20858	DECACHLOROBIPHENYL (Surr)	92		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	126	S3	%		Acceptance Limits 67-115%
8151W_140520 20858	2,4 - DCAA (Surr)	116		%	8151A	Acceptance Range 61-129%
8260W_140523 20858	1,2 - DICHLOROETHANE-d4 (Surr)	104		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	105		%		
	d8-TOLUENE (Surr)	102		%		Acceptance Range is 70-130%
8081W_140519 20859	DECACHLOROBIPHENYL (Surr)	91		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	122	S3	%		Acceptance Limits 67-115%
8151W_140520 20859	2,4 - DCAA (Surr)	103		%	8151A	Acceptance Range 61-129%
8260W_140523 20859	1,2 - DICHLOROETHANE-d4 (Surr)	103		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	105		%		
	d8-TOLUENE (Surr)	100		%		Acceptance Range is 70-130%
8081W_140519 20860	DECACHLOROBIPHENYL (Surr)	82		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	115		%		Acceptance Limits 67-115%
8151W_140520 20860	2,4 - DCAA (Surr)	115		%	8151A	Acceptance Range 61-129%
8260W_140523 20860	1,2 - DICHLOROETHANE-d4 (Surr)	101		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	103		%		
	d8-TOLUENE (Surr)	101		%		Acceptance Range is 70-130%
8081W_140519 20861	DECACHLOROBIPHENYL (Surr)	86		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	132	S3	%		Acceptance Limits 67-115%
8151W_140520 20861	2,4 - DCAA (Surr)	116		%	8151A	Acceptance Range 61-129%
8260W_140523 20861	1,2 - DICHLOROETHANE-d4 (Surr)	105		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	104		%		
	d8-TOLUENE (Surr)	102		%		Acceptance Range is 70-130%

***Notation:**

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-08646

Report Date: 06/03/14

Qualifier	Definition
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Matrix bias indicated.
S3	Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-08646**

Date: June 4, 2014

Project: Water Quality Multiple Locations

Date Received: May 15, 2014

Attn: Steven Patton

Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	20858.00	GW-70	Locher Rd.	Pesticides in Water	\$182.00
2	20858.00	GW-70	Locher Rd.	Chlorinated Herbicides	\$231.00
3	20858.00	GW-70	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
4	20858.00	GW-70	Locher Rd.	Total Metals in Water	\$168.00
5	20858.00	GW-70	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
6	20858.10	GW-70	Locher Rd.	Chloride	\$21.00
7	20858.10	GW-70	Locher Rd.	Sulfate	\$20.00
8	20858.10	GW-70	Locher Rd.	Fluoride	\$21.00
9	20858.10	GW-70	Locher Rd.	Total Dissolved Solids	\$20.00
10	20858.10	GW-70	Locher Rd.	Color	\$19.00
11	20858.10	GW-70	Locher Rd.	Surfactants	\$70.00
12	20858.10	GW-70	Locher Rd.	Nitrate-N	\$21.00
13	20858.10	GW-70	Locher Rd.	Turbidity	\$15.00
14	20858.10	GW-70	Locher Rd.	Corrosivity	\$53.00
15	20858.10	GW-70	Locher Rd.	ODOR	\$21.00
16	20858.20	GW-70	Locher Rd.	Chromogenic Substrate Test (Coliforms)	
17	20858.20	GW-70	Locher Rd.	Total Phosphorus	\$24.00
18	20859.00	GW-72	Locher Rd.	Pesticides in Water	\$182.00
19	20859.00	GW-72	Locher Rd.	Chlorinated Herbicides	\$231.00
20	20859.00	GW-72	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
21	20859.00	GW-72	Locher Rd.	Total Metals in Water	\$168.00
22	20859.00	GW-72	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
23	20859.10	GW-72	Locher Rd.	Chloride	\$21.00
24	20859.10	GW-72	Locher Rd.	Sulfate	\$20.00
25	20859.10	GW-72	Locher Rd.	Fluoride	\$21.00
26	20859.10	GW-72	Locher Rd.	Total Dissolved Solids	\$20.00
27	20859.10	GW-72	Locher Rd.	Color	\$19.00
28	20859.10	GW-72	Locher Rd.	Surfactants	\$70.00

Thank You for Your Business

Please pay to corporate office by July 4, 2014 to avoid a 1.5% per month finance charge.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-08646**

Date: June 4, 2014

Project: Water Quality Multiple Locations

Date Received: May 15, 2014

Attn: Steven Patton

Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
29	20859.10	GW-72	Locher Rd.	Nitrate-N	\$21.00
30	20859.10	GW-72	Locher Rd.	Turbidity	\$15.00
31	20859.10	GW-72	Locher Rd.	Corrosivity	\$53.00
32	20859.10	GW-72	Locher Rd.	ODOR	\$21.00
33	20859.20	GW-72	Locher Rd.	Chromogenic Substrate Test (Coliforms)	
34	20859.20	GW-72	Locher Rd.	Total Phosphorus	\$24.00
35	20860.00	GW-71	Locher Rd.	Pesticides in Water	\$182.00
36	20860.00	GW-71	Locher Rd.	Chlorinated Herbicides	\$231.00
37	20860.00	GW-71	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
38	20860.00	GW-71	Locher Rd.	Total Metals in Water	\$168.00
39	20860.00	GW-71	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
40	20860.10	GW-71	Locher Rd.	Chloride	\$21.00
41	20860.10	GW-71	Locher Rd.	Sulfate	\$20.00
42	20860.10	GW-71	Locher Rd.	Fluoride	\$21.00
43	20860.10	GW-71	Locher Rd.	Total Dissolved Solids	\$20.00
44	20860.10	GW-71	Locher Rd.	Color	\$19.00
45	20860.10	GW-71	Locher Rd.	Surfactants	\$70.00
46	20860.10	GW-71	Locher Rd.	Nitrate-N	\$21.00
47	20860.10	GW-71	Locher Rd.	Turbidity	\$15.00
48	20860.10	GW-71	Locher Rd.	Corrosivity	\$53.00
49	20860.10	GW-71	Locher Rd.	ODOR	\$21.00
50	20860.20	GW-71	Locher Rd.	Chromogenic Substrate Test (Coliforms)	
51	20860.20	GW-71	Locher Rd.	Total Phosphorus	\$24.00
52	20861.00	Intake	Locher Rd.	Pesticides in Water	\$182.00
53	20861.00	Intake	Locher Rd.	Chlorinated Herbicides	\$231.00
54	20861.00	Intake	Locher Rd.	Volatile Organic Compounds GC/MS	\$261.00
55	20861.00	Intake	Locher Rd.	Total Metals in Water	\$168.00
56	20861.00	Intake	Locher Rd.	carbonate/bicarbonate/hydroxide	\$25.00
57	20861.10	Intake	Locher Rd.	Chloride	\$21.00

Thank You for Your Business

Please pay to corporate office by July 4, 2014 to avoid a 1.5% per month finance charge.



Burlington WA
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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-08646**

Date: June 4, 2014

Project: Water Quality Multiple Locations

Date Received: May 15, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
58	20861.10	Intake	Locher Rd.	Sulfate	\$20.00
59	20861.10	Intake	Locher Rd.	Fluoride	\$21.00
60	20861.10	Intake	Locher Rd.	Total Dissolved Solids	\$20.00
61	20861.10	Intake	Locher Rd.	Color	\$19.00
62	20861.10	Intake	Locher Rd.	Surfactants	\$70.00
63	20861.10	Intake	Locher Rd.	Nitrate-N	\$21.00
64	20861.10	Intake	Locher Rd.	Turbidity	\$15.00
65	20861.10	Intake	Locher Rd.	Corrosivity	\$53.00
66	20861.10	Intake	Locher Rd.	ODOR	\$21.00
67	20861.20	Intake	Locher Rd.	Total Phosphorus	\$24.00
68	20861.20	Intake	Locher Rd.	QuantiTray Total Coliform and E Coli Cour	

Grand Total: \$4,688.00

Amount Paid: \$0.00

Amount Due: **\$4,688.00**

Thank You for Your Business

Please pay to corporate office by July 4, 2014 to avoid a 1.5% per month finance charge.

22477



Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Chain of Custody / Analysis Request (Please complete all applicable sections)

14-08646
 20858 - 20861

Report to: Walla Walla Basin Watershed Cour	Bill to:
Ship Address: 810 S Main Street	Address:
City: Milton-Freewater St: OR Zip: 97862	City: St: Zip:
Attn: Steven Patten	Phone: FAX:
Phone: 541.938-2170 FAX:	P.O.#: Attn:
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /
Project: Water Quality	Card#:

Check Regulatory Program

Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

Instructions

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. (NEW) List each metal individually (NEW)
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.

Analyses Requested

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)



CO022477

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Nitrate as N, Turbidity, Corrosivity	Number of Containers	Special Instructions Conditions on Receipt
1	GW-70	GRAB	GW	5-13-14	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PLEASE NOTE REPORTING LIMITS FOR CHLORINATED PESTICIDES IN QAPP, MAY 2013 VERSION 1.2
2	GW-72	GRAB	GW	5-13-14	12:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE Total Containers

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
STEVEN PATTEN	5-13-14	14:30	UPS	5/15/14	11:00	UPS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						Sample temp <u>4</u> C satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Samples received intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

22477



Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 305 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070

Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	
City: Milton-Freewater St: OR Zip: 97862	City: St: Zip:	Ref #
Attn: Steven Patten	Phone: FAX:	Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Phone: 541.938-2170 FAX:	P.O.#: Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	
Project: Water Quality	Card#:	

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW)* **List each metal individually** *(NEW)*
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested



Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	TRIP BLANK (8260)					Number of Containers	Special Instructions Conditions on Receipt
1	GLW-70	GRAB	GLW	5-13-14	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2	GLW-72	GRAB	GLW	5-13-14	12:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE Total Containers

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
STEVEN PATTEN	5-13-14	14:30	UPS		

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

22477



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Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to: <u>SAME</u>	For Lab Use Only Ref #
Ship Address: 810 S Main Street	Address:	
City: Milton-Freewater St: OR Zip: 97862	City: St: Zip:	Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone: FAX:	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	
Project: Water Quality	Card#:	

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)**
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested



Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Nitrate as N, Turbidity, Corrosivity	Number of Containers	Special Instructions Conditions on Receipt
1	GW-71 Lochter Road	GRAB	GW	5-13-14	13:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		REPORTING LIMITS FOR CHECK REPORTING LIMITS FOR CHLORINATED PESTICIDES IN QAPP, MAY 2013 VERSION 1.2
2	INTAKE Lochter Road	GRAB	SW	5-13-14	12:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE Total Containers

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
<u>STEVEN PATTEN</u>	<u>5-13-14</u>	<u>14:30</u>	<u>UPS</u>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Sample temp _____ C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

22477



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Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070

Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only Ref #
Ship Address: 810 S Main Street	Address:	
City: Milton-Freewater St. OR Zip: 97862	City: St: Zip:	Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone: FAX:	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	
Project: Water Quality	Card#:	

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)**
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested



Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	TRIP BLANK (8260)					Number of Containers	Special Instructions Conditions on Receipt
1	LOCHER ROAD	GRAB	GW	5-13-14	13:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2	LOCHER ROAD	GRAB	SW	5-13-14	12:20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE Total Containers

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
STEVEN PATTEN	5-13-14	14130	WPS				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Sample temp _____ C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



May 22, 2014

Vista Project I.D.: 1400358

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 14, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Locher Road'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

A handwritten signature in blue ink that reads "Cah Maier for".

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400358

Case Narrative

Sample Condition on Receipt:

Four groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

Table of Contents

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	28
Certifications.....	29
Sample Receipt.....	30

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400358-01	GW-70	13-May-14 11:00	14-May-14 11:07	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400358-02	GW-71	13-May-14 11:50	14-May-14 11:07	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400358-03	GW-72	13-May-14 13:25	14-May-14 11:07	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400358-04	Intake	13-May-14 12:35	14-May-14 11:07	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0052
Date Extracted: 15-May-2014 9:19

Lab Sample: B4E0052-BLK1
Date Analyzed: 20-May-14 11:16 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.63			PCB-43/49	ND	1.41		
PCB-2	ND	1.79			PCB-44	ND	1.58		
PCB-3	ND	1.75			PCB-45	ND	1.59		
PCB-4/10	ND	6.81			PCB-46	ND	1.76		
PCB-5/8	ND	6.01			PCB-47	ND	1.33		
PCB-6	ND	6.05			PCB-48/75	ND	1.08		
PCB-7/9	ND	5.98			PCB-50	ND	1.35		
PCB-11	16.6				PCB-51	ND	1.31		
PCB-12/13	ND	6.01			PCB-52/69	ND		1.93	
PCB-14	ND	5.03			PCB-53	ND	1.30		
PCB-15	ND	5.87			PCB-54	ND	1.02		
PCB-16/32	ND	0.712			PCB-55	ND	0.973		
PCB-17	ND	0.819			PCB-56/60	ND	1.03		
PCB-18	1.89			J	PCB-57	ND	0.925		
PCB-19	ND	0.892			PCB-58	ND	0.978		
PCB-20/21/33	ND		1.37		PCB-61/70	ND	0.992		
PCB-22	ND	1.02			PCB-62	ND	1.09		
PCB-23	ND	1.00			PCB-63	ND	0.945		
PCB-24/27	ND	0.617			PCB-65	ND	1.08		
PCB-25	ND	1.10			PCB-67	ND	1.02		
PCB-26	ND	1.15			PCB-68	ND	0.977		
PCB-28	ND		1.78		PCB-73	ND	1.06		
PCB-29	ND	1.10			PCB-74	ND	0.859		
PCB-30	ND	0.594			PCB-76/66	ND	0.908		
PCB-31	2.21			J	PCB-77	ND	0.784		
PCB-34	ND	1.12			PCB-78	ND	0.889		
PCB-35	ND	0.920			PCB-79	ND	1.04		
PCB-36	ND	0.904			PCB-80	ND	0.869		
PCB-37	ND	0.982			PCB-81	ND	0.774		
PCB-38	ND	0.863			PCB-82	ND	2.54		
PCB-39	ND	0.872			PCB-83	ND	1.74		
PCB-40	ND	1.85			PCB-84/92	ND	2.34		
PCB-41/64/71/72	ND		1.36		PCB-85/116	ND	2.03		
PCB-42/59	ND	1.18			PCB-86	ND	2.69		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0052
Date Extracted: 15-May-2014 9:19

Lab Sample: B4E0052-BLK1
Date Analyzed: 20-May-14 11:16 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.77			PCB-133/142	ND	1.24		
PCB-88/91	ND	2.39			PCB-134/143	ND	1.22		
PCB-89	ND	2.41			PCB-135	ND	2.50		
PCB-90/101	ND	2.04			PCB-136	ND	1.78		
PCB-93	ND	2.33			PCB-137	ND	1.15		
PCB-94	ND	2.35			PCB-138/163/164	1.77			J
PCB-95/98/102	ND	2.19			PCB-139/149	ND	2.17		
PCB-96	ND	2.03			PCB-140	ND	2.48		
PCB-97	ND	2.18			PCB-141	ND	1.23		
PCB-99	ND	1.95			PCB-144	ND	2.34		
PCB-100	ND	2.20			PCB-145	ND	1.61		
PCB-103	ND	2.36			PCB-146/165	ND	0.950		
PCB-104	ND	1.72			PCB-147	ND	2.27		
PCB-105	ND	1.35			PCB-148	ND	2.26		
PCB-106/118	ND	1.57			PCB-150	ND	1.65		
PCB-107/109	ND	1.48			PCB-151	ND	2.42		
PCB-108/112	ND	2.10			PCB-152	ND	1.62		
PCB-110	ND	1.65			PCB-153	ND	0.965		
PCB-111/115	ND	1.57			PCB-154	ND	2.10		
PCB-113	ND	1.71			PCB-155	ND	1.54		
PCB-114	ND	1.39			PCB-156	ND	0.790		
PCB-119	ND	1.56			PCB-157	ND	0.839		
PCB-120	ND	1.53			PCB-158/160	ND	0.863		
PCB-121	ND	1.58			PCB-159	ND	0.873		
PCB-122	ND	1.54			PCB-166	ND	0.846		
PCB-123	ND	1.58			PCB-167	ND	0.794		
PCB-124	ND	1.41			PCB-168	ND	0.837		
PCB-126	ND	1.36			PCB-169	ND	0.711		
PCB-127	ND	1.41			PCB-170	ND	0.784		
PCB-128/162	ND	0.960			PCB-171	ND	0.806		
PCB-129	ND	1.27			PCB-172	ND	0.900		
PCB-130	ND	1.34			PCB-173	ND	0.960		
PCB-131	ND	1.30			PCB-174	ND	0.800		
PCB-132/161	ND	1.01			PCB-175	ND	1.07		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0052
Date Extracted: 15-May-2014 9:19

Lab Sample: B4E0052-BLK1
Date Analyzed: 20-May-14 11:16 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.782			Total triCB	4.10		7.25	
PCB-177	ND	0.864			Total tetraCB	ND		3.29	
PCB-178	ND	1.14			Total pentaCB	ND	2.69		
PCB-179	ND	0.808			Total hexaCB	1.77			J
PCB-180	ND	0.788			Total heptaCB	ND	1.14		
PCB-181	ND	0.778			Total octaCB	ND	2.12		
PCB-182/187	ND	0.997			Total nonaCB	ND	0.937		
PCB-183	ND	0.971			DecaCB	ND	0.942		
PCB-184	ND	0.840			Total PCB	22.4			
PCB-185	ND	0.803							
PCB-186	ND	0.786							
PCB-188	ND	0.720							
PCB-189	ND	0.534							
PCB-190	ND	0.560							
PCB-191	ND	0.657							
PCB-192	ND	0.688							
PCB-193	ND	0.640							
PCB-194	ND	0.619							
PCB-195	ND	0.621							
PCB-196/203	ND	1.89							
PCB-197	ND	1.48							
PCB-198	ND	2.12							
PCB-199	ND	1.97							
PCB-200	ND	1.53							
PCB-201	ND	1.45							
PCB-202	ND	1.47							
PCB-204	ND	1.56							
PCB-205	ND	0.515							
PCB-206	ND	0.937							
PCB-207	ND	0.530							
PCB-208	ND	0.511							
PCB-209	ND	0.942							
Total monoCB	ND	1.79							
Total diCB	16.6								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0052
Date Extracted: 15-May-2014 9:19

Lab Sample: B4E0052-BLK1
Date Analyzed: 20-May-14 11:16 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	61.7	5- 145		13C-PCB-157	86.6	10- 145	
13C-PCB-3	62.4	5- 145		13C-PCB-159	84.6	10- 145	
13C-PCB-4	58.0	5- 145		13C-PCB-167	89.1	10- 145	
13C-PCB-11	68.0	5- 145		13C-PCB-169	110	10- 145	
13C-PCB-9	56.9	5- 145		13C-PCB-170	86.6	10- 145	
13C-PCB-19	76.9	5- 145		13C-PCB-180	80.1	10- 145	
13C-PCB-28	80.3	5- 145		13C-PCB-188	61.9	10- 145	
13C-PCB-32	74.5	5- 145		13C-PCB-189	85.2	10- 145	
13C-PCB-37	100	5- 145		13C-PCB-194	93.4	10- 145	
13C-PCB-47	71.3	5- 145		13C-PCB-202	58.1	10- 145	
13C-PCB-52	70.1	5- 145		13C-PCB-206	77.9	10- 145	
13C-PCB-54	66.9	5- 145		13C-PCB-208	72.9	10- 145	
13C-PCB-70	81.4	5- 145		13C-PCB-209	61.5	10- 145	
13C-PCB-77	103	10- 145		CRS 13C-PCB-79	114	10- 145	
13C-PCB-80	80.2	10- 145		13C-PCB-178	89.2	10- 145	
13C-PCB-81	98.7	10- 145					
13C-PCB-95	73.6	10- 145					
13C-PCB-97	80.5	10- 145					
13C-PCB-101	78.4	10- 145					
13C-PCB-104	70.3	10- 145					
13C-PCB-105	78.8	10- 145					
13C-PCB-114	76.2	10- 145					
13C-PCB-118	88.6	10- 145					
13C-PCB-123	90.9	10- 145					
13C-PCB-126	96.1	10- 145					
13C-PCB-127	83.9	10- 145					
13C-PCB-138	80.8	10- 145					
13C-PCB-141	80.6	10- 145					
13C-PCB-153	77.5	10- 145					
13C-PCB-155	59.3	10- 145					
13C-PCB-156	91.1	10- 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0052
Date Extracted: 15-May-2014 9:19

Lab Sample: B4E0052-BS1
Date Analyzed: 20-May-14 09:08 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	943	1000	94.3	60 - 135	IS 13C-PCB-1	41.2	15 - 145
PCB-3	920	1000	92.0	60 - 135	IS 13C-PCB-3	48.8	15 - 145
PCB-4/10	3950	4000	98.8	60 - 135	IS 13C-PCB-4	47.8	15 - 145
PCB-15	2180	2000	109	60 - 135	IS 13C-PCB-11	63.7	15 - 145
PCB-19	1180	1000	118	60 - 135	IS 13C-PCB-9	49.9	15 - 145
PCB-37	1040	1000	104	60 - 135	IS 13C-PCB-19	61.8	15 - 145
PCB-54	1150	1000	115	60 - 135	IS 13C-PCB-28	62.8	15 - 145
PCB-77	1070	1000	107	60 - 135	IS 13C-PCB-32	68.0	15 - 145
PCB-81	1060	1000	106	60 - 135	IS 13C-PCB-37	93.6	15 - 145
PCB-104	1100	1000	110	60 - 135	IS 13C-PCB-47	68.5	15 - 145
PCB-105	952	1000	95.2	60 - 135	IS 13C-PCB-52	68.3	15 - 145
PCB-106/118	2130	2000	106	60 - 135	IS 13C-PCB-54	59.9	15 - 145
PCB-114	955	1000	95.5	60 - 135	IS 13C-PCB-70	72.0	15 - 145
PCB-126	922	1000	92.2	60 - 135	IS 13C-PCB-77	96.3	40 - 145
PCB-155	1110	1000	111	60 - 135	IS 13C-PCB-80	72.6	40 - 145
PCB-156	927	1000	92.7	60 - 135	IS 13C-PCB-81	92.4	40 - 145
PCB-157	974	1000	97.4	60 - 135	IS 13C-PCB-95	72.5	40 - 145
PCB-167	940	1000	94.0	60 - 135	IS 13C-PCB-97	79.3	40 - 145
PCB-169	947	1000	94.7	60 - 135	IS 13C-PCB-101	76.0	40 - 145
PCB-188	1080	1000	108	60 - 135	IS 13C-PCB-104	67.3	40 - 145
PCB-189	1050	1000	105	60 - 135	IS 13C-PCB-105	75.5	40 - 145
PCB-202	1070	1000	107	60 - 135	IS 13C-PCB-114	72.5	40 - 145
PCB-205	956	1000	95.6	60 - 135	IS 13C-PCB-118	85.7	40 - 145
PCB-206	984	1000	98.4	60 - 135	IS 13C-PCB-123	89.4	40 - 145
PCB-208	1020	1000	102	60 - 135	IS 13C-PCB-126	91.8	40 - 145
PCB-209	1030	1000	103	60 - 135	IS 13C-PCB-127	80.0	40 - 145
					IS 13C-PCB-138	77.5	40 - 145
					IS 13C-PCB-141	76.7	40 - 145
					IS 13C-PCB-153	74.4	40 - 145
					IS 13C-PCB-155	56.5	40 - 145
					IS 13C-PCB-156	88.1	40 - 145
					IS 13C-PCB-157	84.0	40 - 145
					IS 13C-PCB-159	80.8	40 - 145
					IS 13C-PCB-167	85.5	40 - 145
					IS 13C-PCB-169	106	40 - 145
					IS 13C-PCB-170	84.3	40 - 145
					IS 13C-PCB-180	77.5	40 - 145
					IS 13C-PCB-188	60.4	40 - 145
					IS 13C-PCB-189	81.5	40 - 145
					IS 13C-PCB-194	84.9	40 - 145

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4E0052
Date Extracted: 15-May-2014 9:19Lab Sample: B4E0052-BS1
Date Analyzed: 20-May-14 09:08 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	55.5	40 - 145
					IS 13C-PCB-206	75.4	40 - 145
					IS 13C-PCB-208	71.3	40 - 145
					IS 13C-PCB-209	58.2	40 - 145
					CRS 13C-PCB-79	97.8	40 - 145
					CRS 13C-PCB-178	86.2	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-01
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:00			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 16:34
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	43.1				PCB-44	12.7			
PCB-2	ND		2.88		PCB-45	5.89			
PCB-3	15.8				PCB-46	2.76			J
PCB-4/10	87.4				PCB-47	39.1			
PCB-5/8	198				PCB-48/75	3.03			J
PCB-6	37.5				PCB-50	ND	1.24		
PCB-7/9	17.7			J	PCB-51	8.31			
PCB-11	24.9			B	PCB-52/69	12.3			
PCB-12/13	8.14			J	PCB-53	4.49			J
PCB-14	ND	7.15			PCB-54	ND	0.935		
PCB-15	47.6				PCB-55	ND	0.902		
PCB-16/32	85.9				PCB-56/60	2.71			J
PCB-17	44.4				PCB-57	ND	0.822		
PCB-18	137			B	PCB-58	ND	0.870		
PCB-19	15.9				PCB-61/70	4.49			J
PCB-20/21/33	43.5				PCB-62	ND	1.04		
PCB-22	22.8				PCB-63	ND	0.841		
PCB-23	ND	1.04			PCB-65	ND	1.04		
PCB-24/27	10.5				PCB-67	ND	0.909		
PCB-25	5.46				PCB-68	5.30			
PCB-26	12.4				PCB-73	ND	0.927		
PCB-28	44.1				PCB-74	1.63			J
PCB-29	ND	1.14			PCB-76/66	2.66			J
PCB-30	ND	0.693			PCB-77	ND	0.793		
PCB-31	59.0			B	PCB-78	ND	0.869		
PCB-34	ND	1.16			PCB-79	ND	0.961		
PCB-35	ND	0.999			PCB-80	ND	0.806		
PCB-36	ND	0.981			PCB-81	ND	0.757		
PCB-37	6.16				PCB-82	ND	2.61		
PCB-38	ND	0.937			PCB-83	ND	1.68		
PCB-39	ND	0.946			PCB-84/92	ND	2.36		
PCB-40	3.34			J	PCB-85/116	ND	1.96		
PCB-41/64/71/72	9.46			J	PCB-86	ND	2.60		
PCB-42/59	4.42			J	PCB-87/117/125	ND	1.71		
PCB-43/49	9.30			J	PCB-88/91	ND	2.34		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-01
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:00			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 16:34
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.43			PCB-136	ND	2.22		
PCB-90/101	ND	2.06			PCB-137	ND	0.876		
PCB-93	ND	2.28			PCB-138/163/164	ND	0.754		
PCB-94	ND	2.30			PCB-139/149	ND	2.71		
PCB-95/98/102	ND	2.14			PCB-140	ND	3.10		
PCB-96	ND	1.75			PCB-141	ND	0.941		
PCB-97	ND	2.10			PCB-144	ND	2.92		
PCB-99	ND	1.96			PCB-145	ND	2.01		
PCB-100	ND	1.89			PCB-146/165	ND	0.714		
PCB-103	ND	2.03			PCB-147	ND	2.83		
PCB-104	ND	1.48			PCB-148	ND	2.82		
PCB-105	ND	1.46			PCB-150	ND	2.07		
PCB-106/118	1.64			J	PCB-151	ND	3.02		
PCB-107/109	ND	1.51			PCB-152	ND	2.02		
PCB-108/112	ND	2.03			PCB-153	1.22			J
PCB-110	2.65			J	PCB-154	ND	2.62		
PCB-111/115	ND	1.51			PCB-155	ND	1.92		
PCB-113	ND	1.73			PCB-156	ND	0.616		
PCB-114	ND	1.48			PCB-157	ND	0.697		
PCB-119	ND	1.51			PCB-158/160	ND	0.728		
PCB-120	ND	1.48			PCB-159	ND	0.705		
PCB-121	ND	1.54			PCB-166	ND	0.683		
PCB-122	ND	1.65			PCB-167	ND	0.690		
PCB-123	ND	1.62			PCB-168	ND	0.629		
PCB-124	ND	1.45			PCB-169	ND	0.586		
PCB-126	ND	1.55			PCB-170	ND	0.657		
PCB-127	ND	1.50			PCB-171	ND	0.623		
PCB-128/162	ND	0.776			PCB-172	ND	0.696		
PCB-129	ND	1.07			PCB-173	ND	0.743		
PCB-130	ND	1.02			PCB-174	ND	0.619		
PCB-131	ND	0.976			PCB-175	ND	0.880		
PCB-132/161	ND	0.756			PCB-176	ND	0.640		
PCB-133/142	ND	0.932			PCB-177	ND	0.668		
PCB-134/143	ND	0.918			PCB-178	ND	0.932		
PCB-135	ND	3.12			PCB-179	ND	0.662		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-01
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:00			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 16:34
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	1.70			J	Total octaCB	ND	1.55		
PCB-181	ND	0.602			Total nonaCB	ND	1.18		
PCB-182/187	1.36			J	DecaCB	1.97			J
PCB-183	ND	0.794			Total PCB	1110			B
PCB-184	ND	0.688							
PCB-185	ND	0.621							
PCB-186	ND	0.643							
PCB-188	ND	0.589							
PCB-189	ND	0.411							
PCB-190	ND	0.469							
PCB-191	ND	0.508							
PCB-192	ND	0.532							
PCB-193	ND	0.496							
PCB-194	ND	0.702							
PCB-195	ND	0.704							
PCB-196/203	ND	1.38							
PCB-197	ND	1.08							
PCB-198	ND	1.55							
PCB-199	ND	1.44							
PCB-200	ND	1.12							
PCB-201	ND	1.06							
PCB-202	ND	1.07							
PCB-204	ND	1.14							
PCB-205	ND	0.584							
PCB-206	ND	1.18							
PCB-207	ND	0.639							
PCB-208	ND	0.617							
PCB-209	1.97			J					
Total monoCB	59.0		61.8						
Total diCB	421			B					
Total triCB	487			B					
Total tetraCB	132								
Total pentaCB	4.29			J					
Total hexaCB	1.22			J, B					
Total heptaCB	3.06			J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-01	Date Received:	14-May-2014 11:07
Project:	Locher Road	Sample Size:	1.03 L	QC Batch:	B4E0052	Date Extracted:	15-May-2014 9:19
Date Collected:	13-May-2014 11:00			Date Analyzed :	20-May-14 16:34	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.0	5 -145		13C-PCB-170	77.2	10 -145	
13C-PCB-3	59.7	5 -145		13C-PCB-180	73.3	10 -145	
13C-PCB-4	56.5	5 -145		13C-PCB-188	59.3	10 -145	
13C-PCB-11	66.0	5 -145		13C-PCB-189	78.2	10 -145	
13C-PCB-9	56.3	5 -145		13C-PCB-194	86.1	10 -145	
13C-PCB-19	68.8	5 -145		13C-PCB-202	50.8	10 -145	
13C-PCB-28	70.7	5 -145		13C-PCB-206	72.7	10 -145	
13C-PCB-32	65.6	5 -145		13C-PCB-208	69.1	10 -145	
13C-PCB-37	87.8	5 -145		13C-PCB-209	55.6	10 -145	
13C-PCB-47	65.5	5 -145		CRS 13C-PCB-79	97.1	10 -145	
13C-PCB-52	65.0	5 -145		13C-PCB-178	83.6	10 -145	
13C-PCB-54	62.3	5 -145					
13C-PCB-70	70.2	5 -145					
13C-PCB-77	91.0	10 -145					
13C-PCB-80	68.9	10 -145					
13C-PCB-81	87.2	10 -145					
13C-PCB-95	73.3	10 -145					
13C-PCB-97	79.4	10 -145					
13C-PCB-101	77.5	10 -145					
13C-PCB-104	71.3	10 -145					
13C-PCB-105	74.4	10 -145					
13C-PCB-114	74.1	10 -145					
13C-PCB-118	84.8	10 -145					
13C-PCB-123	87.9	10 -145					
13C-PCB-126	90.6	10 -145					
13C-PCB-127	83.7	10 -145					
13C-PCB-138	77.7	10 -145					
13C-PCB-141	78.5	10 -145					
13C-PCB-153	75.5	10 -145					
13C-PCB-155	57.7	10 -145					
13C-PCB-156	84.6	10 -145					
13C-PCB-157	82.8	10 -145					
13C-PCB-159	82.1	10 -145					
13C-PCB-167	84.4	10 -145					
13C-PCB-169	101	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-02
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:50			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 17:38
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	34.7				PCB-44	9.16			
PCB-2	ND		2.51		PCB-45	4.04			J
PCB-3	14.6				PCB-46	1.95			J
PCB-4/10	69.9				PCB-47	197			
PCB-5/8	171				PCB-48/75	2.64			J
PCB-6	32.1				PCB-50	ND	1.08		
PCB-7/9	16.5			J	PCB-51	34.7			
PCB-11	23.8			B	PCB-52/69	9.48			J
PCB-12/13	7.44			J	PCB-53	3.23			J
PCB-14	ND	6.32			PCB-54	ND	0.813		
PCB-15	39.9				PCB-55	ND	0.686		
PCB-16/32	67.4				PCB-56/60	1.73			J
PCB-17	36.5				PCB-57	ND	0.719		
PCB-18	110			B	PCB-58	ND	0.760		
PCB-19	12.5				PCB-61/70	2.99			J
PCB-20/21/33	35.5				PCB-62	ND	0.815		
PCB-22	17.6				PCB-63	ND	0.735		
PCB-23	ND	1.03			PCB-65	ND	0.811		
PCB-24/27	8.10			J	PCB-67	ND	0.795		
PCB-25	4.51			J	PCB-68	26.1			
PCB-26	10.1				PCB-73	ND	0.781		
PCB-28	31.4				PCB-74	ND		0.754	
PCB-29	ND	1.13			PCB-76/66	2.47			J
PCB-30	ND	0.615			PCB-77	ND	0.630		
PCB-31	45.5			B	PCB-78	ND	0.687		
PCB-34	ND	1.15			PCB-79	ND	0.732		
PCB-35	ND	0.937			PCB-80	ND	0.613		
PCB-36	ND	0.921			PCB-81	ND	0.598		
PCB-37	4.69			J	PCB-82	ND	2.83		
PCB-38	6.78				PCB-83	ND	1.79		
PCB-39	ND	0.888			PCB-84/92	ND	2.54		
PCB-40	ND	1.39			PCB-85/116	ND	2.09		
PCB-41/64/71/72	6.64			J	PCB-86	ND	2.77		
PCB-42/59	2.96			J	PCB-87/117/125	ND	1.82		
PCB-43/49	10.0				PCB-88/91	ND	2.57		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-02
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:50			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 17:38
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.61			PCB-136	ND	1.77		
PCB-90/101	ND	2.22			PCB-137	ND	1.09		
PCB-93	ND	2.50			PCB-138/163/164	ND		0.870	
PCB-94	ND	2.52			PCB-139/149	ND	2.17		
PCB-95/98/102	ND		2.46		PCB-140	ND	2.48		
PCB-96	ND	2.00			PCB-141	ND	1.17		
PCB-97	ND	2.24			PCB-144	ND	2.33		
PCB-99	ND	2.11			PCB-145	ND	1.61		
PCB-100	ND	2.16			PCB-146/165	ND	0.957		
PCB-103	ND	2.32			PCB-147	ND	2.26		
PCB-104	ND	1.69			PCB-148	ND	2.25		
PCB-105	ND	1.41			PCB-150	ND	1.65		
PCB-106/118	ND	1.72			PCB-151	ND	2.42		
PCB-107/109	ND	1.64			PCB-152	ND	1.61		
PCB-108/112	ND	2.16			PCB-153	0.972			J
PCB-110	ND		1.48		PCB-154	ND	2.09		
PCB-111/115	ND	1.61			PCB-155	ND	1.54		
PCB-113	ND	1.86			PCB-156	ND	0.807		
PCB-114	ND	1.39			PCB-157	ND	0.847		
PCB-119	ND	1.61			PCB-158/160	ND	0.860		
PCB-120	ND	1.57			PCB-159	ND	0.888		
PCB-121	ND	1.69			PCB-166	ND	0.861		
PCB-122	ND	1.55			PCB-167	ND	0.790		
PCB-123	ND	1.76			PCB-168	ND	0.843		
PCB-124	ND	1.57			PCB-169	ND	0.770		
PCB-126	ND	1.39			PCB-170	ND	0.842		
PCB-127	ND	1.52			PCB-171	ND	0.902		
PCB-128/162	ND	0.977			PCB-172	ND	1.01		
PCB-129	ND	1.27			PCB-173	ND	1.08		
PCB-130	ND	1.27			PCB-174	ND	0.896		
PCB-131	ND	1.31			PCB-175	ND	1.09		
PCB-132/161	ND	1.01			PCB-176	ND	0.790		
PCB-133/142	ND	1.25			PCB-177	ND	0.967		
PCB-134/143	ND	1.23			PCB-178	ND	1.15		
PCB-135	ND	2.49			PCB-179	ND	0.816		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-02
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:50			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 17:38
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		0.165		Total octaCB	ND	2.20		
PCB-181	ND	0.871			Total nonaCB	ND	1.06		
PCB-182/187	ND	1.01			DecaCB	ND	1.29		
PCB-183	ND	0.980			Total PCB	1120			B
PCB-184	ND	0.848							
PCB-185	ND	0.899							
PCB-186	ND	0.793							
PCB-188	ND	0.727							
PCB-189	ND	0.540							
PCB-190	ND	0.601							
PCB-191	ND	0.736							
PCB-192	ND	0.770							
PCB-193	ND	0.717							
PCB-194	ND	0.699							
PCB-195	ND	0.701							
PCB-196/203	ND	1.96							
PCB-197	ND	1.54							
PCB-198	ND	2.20							
PCB-199	ND	2.05							
PCB-200	ND	1.59							
PCB-201	ND	1.50							
PCB-202	ND	1.53							
PCB-204	ND	1.62							
PCB-205	ND	0.581							
PCB-206	ND	1.06							
PCB-207	ND	0.549							
PCB-208	ND	0.529							
PCB-209	ND	1.29							
Total monoCB	49.3		51.8						
Total diCB	360			B					
Total triCB	390			B					
Total tetraCB	315		316						
Total pentaCB	ND		3.94						
Total hexaCB	0.972		1.84	J, B					
Total heptaCB	ND		0.165						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-02
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 11:50			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 17:38
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	54.5	5 -145		13C-PCB-170	85.8	10 -145	
13C-PCB-3	58.2	5 -145		13C-PCB-180	79.0	10 -145	
13C-PCB-4	60.8	5 -145		13C-PCB-188	65.1	10 -145	
13C-PCB-11	72.5	5 -145		13C-PCB-189	85.2	10 -145	
13C-PCB-9	60.0	5 -145		13C-PCB-194	96.2	10 -145	
13C-PCB-19	72.3	5 -145		13C-PCB-202	56.8	10 -145	
13C-PCB-28	77.9	5 -145		13C-PCB-206	81.3	10 -145	
13C-PCB-32	70.7	5 -145		13C-PCB-208	77.4	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	61.6	10 -145	
13C-PCB-47	81.0	5 -145		CRS 13C-PCB-79	122	10 -145	
13C-PCB-52	79.9	5 -145		13C-PCB-178	90.9	10 -145	
13C-PCB-54	69.1	5 -145					
13C-PCB-70	85.7	5 -145					
13C-PCB-77	112	10 -145					
13C-PCB-80	86.3	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	79.4	10 -145					
13C-PCB-97	86.8	10 -145					
13C-PCB-101	84.4	10 -145					
13C-PCB-104	76.7	10 -145					
13C-PCB-105	81.9	10 -145					
13C-PCB-114	81.9	10 -145					
13C-PCB-118	92.2	10 -145					
13C-PCB-123	96.1	10 -145					
13C-PCB-126	101	10 -145					
13C-PCB-127	87.5	10 -145					
13C-PCB-138	84.4	10 -145					
13C-PCB-141	85.7	10 -145					
13C-PCB-153	82.6	10 -145					
13C-PCB-155	62.7	10 -145					
13C-PCB-156	93.5	10 -145					
13C-PCB-157	91.6	10 -145					
13C-PCB-159	89.4	10 -145					
13C-PCB-167	93.2	10 -145					
13C-PCB-169	110	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-03
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 13:25			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 18:42
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	31.0				PCB-44	8.50			
PCB-2	2.22			J	PCB-45	ND		3.69	
PCB-3	12.2				PCB-46	ND	1.74		
PCB-4/10	58.9				PCB-47	2.77			J
PCB-5/8	145				PCB-48/75	1.64			J
PCB-6	27.9				PCB-50	ND	1.58		
PCB-7/9	13.1			J	PCB-51	ND	1.30		
PCB-11	16.5			B	PCB-52/69	7.50			J
PCB-12/13	ND	8.73			PCB-53	2.49			J
PCB-14	ND	7.31			PCB-54	ND	1.19		
PCB-15	33.3				PCB-55	ND	0.966		
PCB-16/32	60.3				PCB-56/60	2.10			J
PCB-17	32.4				PCB-57	ND	1.00		
PCB-18	92.6			B	PCB-58	ND	1.06		
PCB-19	10.6				PCB-61/70	3.40			J
PCB-20/21/33	27.1				PCB-62	ND	1.15		
PCB-22	14.7				PCB-63	ND	1.03		
PCB-23	ND	1.36			PCB-65	ND	1.14		
PCB-24/27	7.20			J	PCB-67	ND	1.11		
PCB-25	3.57			J	PCB-68	ND	1.03		
PCB-26	ND		7.46		PCB-73	ND	1.05		
PCB-28	28.7				PCB-74	1.43			J
PCB-29	ND	1.49			PCB-76/66	ND	0.987		
PCB-30	ND	0.963			PCB-77	ND	0.857		
PCB-31	36.3			B	PCB-78	ND	0.963		
PCB-34	ND	1.52			PCB-79	ND	1.03		
PCB-35	ND	1.40			PCB-80	ND	0.864		
PCB-36	ND	1.38			PCB-81	ND	0.838		
PCB-37	ND		3.22		PCB-82	ND	3.78		
PCB-38	ND	1.31			PCB-83	ND	2.46		
PCB-39	ND	1.33			PCB-84/92	ND	3.33		
PCB-40	ND	1.96			PCB-85/116	ND	2.86		
PCB-41/64/71/72	6.71			J	PCB-86	ND	3.79		
PCB-42/59	2.95			J	PCB-87/117/125	ND	2.49		
PCB-43/49	5.56			J	PCB-88/91	ND	3.45		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-03
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 13:25			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 18:42
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.43			PCB-136	ND	2.49		
PCB-90/101	ND	2.91			PCB-137	ND	1.85		
PCB-93	ND	3.36			PCB-138/163/164	ND	1.53		
PCB-94	ND	3.39			PCB-139/149	ND	3.05		
PCB-95/98/102	ND	3.16			PCB-140	ND	3.48		
PCB-96	ND	2.77			PCB-141	ND	1.99		
PCB-97	ND	3.07			PCB-144	ND	3.27		
PCB-99	ND	2.78			PCB-145	ND	2.26		
PCB-100	ND	2.99			PCB-146/165	ND	1.52		
PCB-103	ND	3.21			PCB-147	ND	3.18		
PCB-104	ND	2.35			PCB-148	ND	3.16		
PCB-105	ND	1.72			PCB-150	ND	2.32		
PCB-106/118	ND	2.28			PCB-151	ND	3.40		
PCB-107/109	ND	2.19			PCB-152	ND	2.27		
PCB-108/112	ND	2.96			PCB-153	ND	1.54		
PCB-110	ND	2.33			PCB-154	ND	2.94		
PCB-111/115	ND	2.21			PCB-155	ND	2.16		
PCB-113	ND	2.44			PCB-156	ND	1.37		
PCB-114	ND	1.79			PCB-157	ND	1.40		
PCB-119	ND	2.20			PCB-158/160	ND	1.48		
PCB-120	ND	2.16			PCB-159	ND	1.39		
PCB-121	ND	2.27			PCB-166	ND	1.35		
PCB-122	ND	1.99			PCB-167	ND	1.38		
PCB-123	ND	2.35			PCB-168	ND	1.34		
PCB-124	ND	2.10			PCB-169	ND	1.24		
PCB-126	ND	1.90			PCB-170	ND	1.12		
PCB-127	ND	1.84			PCB-171	ND	1.16		
PCB-128/162	ND	1.53			PCB-172	ND	1.30		
PCB-129	ND	2.17			PCB-173	ND	1.38		
PCB-130	ND	2.16			PCB-174	ND	1.15		
PCB-131	ND	2.07			PCB-175	ND	1.38		
PCB-132/161	ND	1.61			PCB-176	ND	1.01		
PCB-133/142	ND	1.98			PCB-177	ND	1.24		
PCB-134/143	ND	1.95			PCB-178	ND	1.46		
PCB-135	ND	3.50			PCB-179	ND	1.04		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-03
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 13:25			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 18:42
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.13			Total octaCB	ND	2.89		
PCB-181	ND	1.12			Total nonaCB	ND	1.48		
PCB-182/187	ND	1.28			DecaCB	ND	1.37		
PCB-183	ND	1.25			Total PCB	699			B
PCB-184	ND	1.08							
PCB-185	ND	1.16							
PCB-186	ND	1.01							
PCB-188	ND	0.926							
PCB-189	ND	0.745							
PCB-190	ND	0.802							
PCB-191	ND	0.946							
PCB-192	ND	0.990							
PCB-193	ND	0.922							
PCB-194	ND	0.941							
PCB-195	ND	0.944							
PCB-196/203	ND	2.58							
PCB-197	ND	2.02							
PCB-198	ND	2.89							
PCB-199	ND	2.69							
PCB-200	ND	2.09							
PCB-201	ND	1.97							
PCB-202	ND	2.00							
PCB-204	ND	2.13							
PCB-205	ND	0.782							
PCB-206	ND	1.48							
PCB-207	ND	0.759							
PCB-208	ND	0.732							
PCB-209	ND	1.37							
Total monoCB	45.4								
Total diCB	295			B					
Total triCB	314		324	B					
Total tetraCB	45.0		48.7						
Total pentaCB	ND	3.79							
Total hexaCB	ND	3.50							
Total heptaCB	ND	1.46							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-03
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 13:25			QC Batch:	B4E0052
				Date Analyzed :	20-May-14 18:42
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	41.1	5 -145		13C-PCB-170	84.4	10 -145	
13C-PCB-3	48.6	5 -145		13C-PCB-180	79.4	10 -145	
13C-PCB-4	50.1	5 -145		13C-PCB-188	65.4	10 -145	
13C-PCB-11	65.6	5 -145		13C-PCB-189	85.2	10 -145	
13C-PCB-9	50.3	5 -145		13C-PCB-194	91.5	10 -145	
13C-PCB-19	62.3	5 -145		13C-PCB-202	56.4	10 -145	
13C-PCB-28	82.4	5 -145		13C-PCB-206	75.6	10 -145	
13C-PCB-32	64.9	5 -145		13C-PCB-208	74.4	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	53.4	10 -145	
13C-PCB-47	70.3	5 -145		CRS 13C-PCB-79	112	10 -145	
13C-PCB-52	70.3	5 -145		13C-PCB-178	89.8	10 -145	
13C-PCB-54	60.3	5 -145					
13C-PCB-70	78.8	5 -145					
13C-PCB-77	99.5	10 -145					
13C-PCB-80	80.9	10 -145					
13C-PCB-81	93.1	10 -145					
13C-PCB-95	78.9	10 -145					
13C-PCB-97	85.6	10 -145					
13C-PCB-101	83.3	10 -145					
13C-PCB-104	77.1	10 -145					
13C-PCB-105	82.0	10 -145					
13C-PCB-114	79.0	10 -145					
13C-PCB-118	91.2	10 -145					
13C-PCB-123	94.2	10 -145					
13C-PCB-126	95.6	10 -145					
13C-PCB-127	87.2	10 -145					
13C-PCB-138	82.6	10 -145					
13C-PCB-141	83.8	10 -145					
13C-PCB-153	81.9	10 -145					
13C-PCB-155	62.7	10 -145					
13C-PCB-156	92.0	10 -145					
13C-PCB-157	89.0	10 -145					
13C-PCB-159	88.2	10 -145					
13C-PCB-167	89.3	10 -145					
13C-PCB-169	107	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-04
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 12:35			QC Batch:	B4E0052
				Date Analyzed :	21-May-14 02:21
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	2.25			PCB-44	ND	1.75		
PCB-2	ND	2.14			PCB-45	ND	1.77		
PCB-3	ND	2.10			PCB-46	ND	1.96		
PCB-4/10	ND	11.0			PCB-47	22.9			
PCB-5/8	ND	9.75			PCB-48/75	ND	1.20		
PCB-6	ND	9.80			PCB-50	ND	1.52		
PCB-7/9	ND	9.68			PCB-51	2.87			J
PCB-11	9.63			J, B	PCB-52/69	3.64			J
PCB-12/13	ND	9.34			PCB-53	ND	1.44		
PCB-14	ND	7.82			PCB-54	ND	1.14		
PCB-15	ND	9.13			PCB-55	ND	0.971		
PCB-16/32	ND	1.02			PCB-56/60	ND	1.03		
PCB-17	ND	1.17			PCB-57	ND	1.02		
PCB-18	ND	1.26			PCB-58	ND	1.08		
PCB-19	ND	1.29			PCB-61/70	3.44			J
PCB-20/21/33	ND	1.85			PCB-62	ND	1.21		
PCB-22	ND	1.76			PCB-63	ND	1.05		
PCB-23	ND	1.73			PCB-65	ND	1.20		
PCB-24/27	ND	0.885			PCB-67	ND	1.13		
PCB-25	ND	1.89			PCB-68	4.38			J
PCB-26	ND	1.97			PCB-73	ND	1.18		
PCB-28	5.47				PCB-74	ND	0.953		
PCB-29	ND	1.89			PCB-76/66	2.68			J
PCB-30	ND	0.858			PCB-77	ND	0.847		
PCB-31	4.68			J, B	PCB-78	ND	0.984		
PCB-34	ND	1.92			PCB-79	ND	1.04		
PCB-35	ND	1.46			PCB-80	ND	0.868		
PCB-36	ND	1.43			PCB-81	ND	0.857		
PCB-37	ND	1.56			PCB-82	ND	3.53		
PCB-38	ND	1.37			PCB-83	ND	2.36		
PCB-39	ND	1.38			PCB-84/92	ND	3.22		
PCB-40	ND	2.06			PCB-85/116	ND	2.74		
PCB-41/64/71/72	2.25			J	PCB-86	ND	3.64		
PCB-42/59	ND	1.31			PCB-87/117/125	ND	2.39		
PCB-43/49	ND	1.57			PCB-88/91	ND	3.31		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-04
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 12:35			QC Batch:	B4E0052
				Date Analyzed :	21-May-14 02:21
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.32			PCB-136	ND	1.88		
PCB-90/101	ND	2.82			PCB-137	ND	1.22		
PCB-93	ND	3.23			PCB-138/163/164	2.01			J, B
PCB-94	ND	3.25			PCB-139/149	ND	2.30		
PCB-95/98/102	ND	3.03			PCB-140	ND	2.63		
PCB-96	ND	2.75			PCB-141	ND	1.31		
PCB-97	ND	2.94			PCB-144	ND	2.47		
PCB-99	ND	2.69			PCB-145	ND	1.70		
PCB-100	ND	2.97			PCB-146/165	ND	1.06		
PCB-103	ND	3.19			PCB-147	ND	2.40		
PCB-104	ND	2.33			PCB-148	ND	2.39		
PCB-105	ND	2.05			PCB-150	ND	1.75		
PCB-106/118	1.99			J	PCB-151	ND	2.56		
PCB-107/109	ND	2.05			PCB-152	ND	1.71		
PCB-108/112	ND	2.84			PCB-153	ND		1.71	
PCB-110	2.52			J	PCB-154	ND	2.22		
PCB-111/115	ND	2.12			PCB-155	ND	1.63		
PCB-113	ND	2.36			PCB-156	ND	0.893		
PCB-114	ND	2.08			PCB-157	ND	0.976		
PCB-119	ND	2.11			PCB-158/160	ND	0.972		
PCB-120	ND	2.07			PCB-159	ND	1.01		
PCB-121	ND	2.18			PCB-166	ND	0.977		
PCB-122	ND	2.31			PCB-167	ND	0.960		
PCB-123	ND	2.20			PCB-168	ND	0.933		
PCB-124	ND	1.96			PCB-169	ND	0.899		
PCB-126	ND	2.21			PCB-170	ND	0.857		
PCB-127	ND	2.29			PCB-171	ND	0.859		
PCB-128/162	ND	1.11			PCB-172	ND	0.959		
PCB-129	ND	1.43			PCB-173	ND	1.02		
PCB-130	ND	1.43			PCB-174	ND	0.853		
PCB-131	ND	1.45			PCB-175	ND	1.09		
PCB-132/161	ND	1.12			PCB-176	ND	0.794		
PCB-133/142	ND	1.38			PCB-177	ND	0.921		
PCB-134/143	ND	1.36			PCB-178	ND	1.16		
PCB-135	ND	2.65			PCB-179	ND	0.820		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-04
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 12:35			QC Batch:	B4E0052
				Date Analyzed :	21-May-14 02:21
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.840			Total octaCB	ND	1.98		
PCB-181	ND	0.829			Total nonaCB	ND	1.67		
PCB-182/187	ND	1.01			DecaCB	ND	3.92		
PCB-183	ND	0.985			Total PCB	68.5			B
PCB-184	ND	0.852							
PCB-185	ND	0.856							
PCB-186	ND	0.797							
PCB-188	ND	0.731							
PCB-189	ND	0.531							
PCB-190	ND	0.612							
PCB-191	ND	0.700							
PCB-192	ND	0.733							
PCB-193	ND	0.683							
PCB-194	ND	1.18							
PCB-195	ND	1.18							
PCB-196/203	ND	1.77							
PCB-197	ND	1.38							
PCB-198	ND	1.98							
PCB-199	ND	1.84							
PCB-200	ND	1.43							
PCB-201	ND	1.35							
PCB-202	ND	1.37							
PCB-204	ND	1.46							
PCB-205	ND	0.978							
PCB-206	ND	1.67							
PCB-207	ND	0.861							
PCB-208	ND	0.830							
PCB-209	ND	3.92							
Total monoCB	ND	2.25							
Total diCB	9.63			J, B					
Total triCB	10.1			B					
Total tetraCB	42.2								
Total pentaCB	4.51			J					
Total hexaCB	2.01		3.71	J, B					
Total heptaCB	ND	1.16							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400358

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400358-04
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	14-May-2014 11:07
Date Collected:	13-May-2014 12:35			QC Batch:	B4E0052
				Date Analyzed :	21-May-14 02:21
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	46.0	5 -145		13C-PCB-170	85.6	10 -145	
13C-PCB-3	56.1	5 -145		13C-PCB-180	79.8	10 -145	
13C-PCB-4	47.9	5 -145		13C-PCB-188	65.0	10 -145	
13C-PCB-11	59.4	5 -145		13C-PCB-189	85.9	10 -145	
13C-PCB-9	48.2	5 -145		13C-PCB-194	84.2	10 -145	
13C-PCB-19	61.8	5 -145		13C-PCB-202	59.7	10 -145	
13C-PCB-28	70.5	5 -145		13C-PCB-206	78.8	10 -145	
13C-PCB-32	60.8	5 -145		13C-PCB-208	77.4	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	58.3	10 -145	
13C-PCB-47	64.0	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	63.4	5 -145		13C-PCB-178	92.0	10 -145	
13C-PCB-54	56.1	5 -145					
13C-PCB-70	71.8	5 -145					
13C-PCB-77	92.7	10 -145					
13C-PCB-80	74.5	10 -145					
13C-PCB-81	86.8	10 -145					
13C-PCB-95	71.3	10 -145					
13C-PCB-97	80.1	10 -145					
13C-PCB-101	75.6	10 -145					
13C-PCB-104	67.5	10 -145					
13C-PCB-105	68.8	10 -145					
13C-PCB-114	67.7	10 -145					
13C-PCB-118	85.0	10 -145					
13C-PCB-123	88.5	10 -145					
13C-PCB-126	79.7	10 -145					
13C-PCB-127	76.3	10 -145					
13C-PCB-138	78.8	10 -145					
13C-PCB-141	80.0	10 -145					
13C-PCB-153	77.2	10 -145					
13C-PCB-155	59.4	10 -145					
13C-PCB-156	88.1	10 -145					
13C-PCB-157	85.3	10 -145					
13C-PCB-159	82.5	10 -145					
13C-PCB-167	84.8	10 -145					
13C-PCB-169	103	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	010
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2207
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1400358 Yes No
Storage ID: WR-2 Temp: 0.7 °C

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Project I.D.: LOCHER ROAD P.O.# _____ Sampler: STEVEN PATTEN
(Name)

Invoice to: Name CHRIS STREET Company WWBWC Address 810 S. MAIN City MELTON-FREEMAN State OR Zip 97862 Ph# 541-938-2170 Fax# SAME
Relinquished by: (Signature and Printed Name) _____ Date: 5-13-14 Time: 14:30 Received by: (Signature and Printed Name) UPS Date: 5-13-14 Time: _____
Relinquished by: (Signature and Printed Name) UPS Date: 05/14/14 Time: _____ Received by: (Signature and Printed Name) B. Benedict Date: 05/14/14 Time: 1109

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: _____

Add Analysis(es) Requested

ATTN: _____

Tracking No.: _____

Container(s)

Sample ID	Date	Time	Location/Sample Description	Add Analysis(es) Requested																																
				Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29															
GW-70	5-13-14	11:00	Locher Road	2L	A	AQ																	X													
AW-71	5-13-14	11:50	Locher Road	2L	A	AQ																		X												
GW-72	5-13-14	13:05	Locher Road	2L	A	AQ																		X												
FOUNCE	5-13-14	17:35	Locher Road	2L	A	AQ																		X												

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
Company: WWBWC
Address: 810 S MAIN
City: MELTON FREEMAN State: OR Zip: 97862
Phone: 541-938-2170 Fax: SAME
Email: steven.patten@wwbwc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate, O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400358 TAT Std

Samples Arrival:	Date/Time <u>05/14/14 1107</u>	Initials: <u>UBB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>NA</u>
Logged In:	Date/Time <u>05/14/14 1307</u>	Initials: <u>UBB</u>	Location: <u>WR 2</u>
			Shelf/Rack: <u>B 4</u>
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: <u>0.7</u> (uncorrected)	Time: <u>1109</u>		Thermometer ID: IR-1
Temp °C: <u>0.7</u> (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill			
Trk # <u>1Z6253F70161155421</u>	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented? <u>NA</u>			
	COC	Sample Container	None
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments:



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Corporate Office

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Microbiology

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360.671.0688

Portland OR
Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-09285
Project: Resample Job #14-08646 bacte

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Road
County:
Sampled By:
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22358
Field ID: GW-71
Date Collected: 5/22/14 11:45
Date Received: 5/23/14
Date Analyzed: 5/24/14 14:10
Report Date: 5/28/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Unsatisfactory, Coliform Present	per 100mL	jmm	SM9223 B	M_140523w	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140523w	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample. If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



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Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-09285
Project: Resample Job #14-08646 bacte

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Road
County:
Sampled By:
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22359
Field ID: INTAKE
Date Collected: 5/22/14 11:20
Date Received: 5/23/14
Date Analyzed: 5/24/14 14:10
Report Date: 5/28/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	>2419.6	MPN/100mL	jmm	SM9223 B.2.f	QT_140523	
3	E. Coli	78.9	MPN/100mL		SM9223 B.2.f	QT_140523	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:

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If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



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Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-09286
Project: Resample Job #14-08646 bacte

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Road
County:
Sampled By:
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22360
Field ID: GW - 70
Date Collected: 5/22/14 11:15
Date Received: 5/23/14
Date Analyzed: 5/24/14 14:10
Report Date: 5/28/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Unsatisfactory, Coliform Present	per 100mL	jmm	SM9223 B	M_140523w	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140523w	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample. If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



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Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-09286
Project: Resample Job #14-08646 bacte

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Road
County:
Sampled By:
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22361
Field ID: GW - 72
Date Collected: 5/22/14 11:30
Date Received: 5/23/14
Date Analyzed: 5/24/14 14:10
Report Date: 5/28/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Unsatisfactory, Coliform Present	per 100mL	jmm	SM9223 B	M_140523w	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140523w	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample. If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-09285**

Date: May 28, 2014

Project: Resample Job #14-08646 bacteria

Date Received: May 23, 2014

Purchase Order:

Attn:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	22358.00	GW-71	Locher Road	Chromogenic Substrate Test (Coliforms)	\$22.00
2	22359.00	INTAKE	Locher Road	QuantiTray Total Coliform and E Coli Coun	\$29.00

Grand Total: \$51.00

Amount Paid: \$0.00

Amount Due: **\$51.00**

Thank You for Your Business

Please pay to corporate office by June 27, 2014 to avoid a 1.5% per month finance charge.



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 Corporate Office
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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-09286**

Date: May 28, 2014

Project: Resample Job #14-08646 bacteria

Date Received: May 23, 2014

Purchase Order:

Attn:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	22360.00	GW - 70	Locher Road	Chromogenic Substrate Test (Coliforms)	\$22.00
2	22361.00	GW - 72	Locher Road	Chromogenic Substrate Test (Coliforms)	\$22.00

Grand Total: \$44.00

Amount Paid: \$0.00

Amount Due: **\$44.00**

Thank You for Your Business

Please pay to corporate office by June 27, 2014 to avoid a 1.5% per month finance charge.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

22571



Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Ref #
City: Milton-Freewz St. OR Zip: 97862	City: St: Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA
Project Resample Job# 14-08646 bacteria	Card#:	<input type="checkbox"/> Other

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Turn Around Time Required		Special Instructions		Number of Containers
						<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)	Conditions on Receipt	Conditions on Receipt	
1	LOCATER Road	6	GW	5/22/14	11:45	<input checked="" type="checkbox"/> SM9223B (ground water)	<input type="checkbox"/> SM9223B 2b (surface water)			1
2	LOCATER Road	6	SW	5/22/14	11:20	<input checked="" type="checkbox"/>	<input type="checkbox"/>			1
3						<input type="checkbox"/>	<input type="checkbox"/>			
4						<input type="checkbox"/>	<input type="checkbox"/>			
5						<input type="checkbox"/>	<input type="checkbox"/>			
6						<input type="checkbox"/>	<input type="checkbox"/>			
7						<input type="checkbox"/>	<input type="checkbox"/>			
8						<input type="checkbox"/>	<input type="checkbox"/>			
9						<input type="checkbox"/>	<input type="checkbox"/>			
10						<input type="checkbox"/>	<input type="checkbox"/>			

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil
 S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
<u>STEVEN PATTEN</u>	<u>5-22-14</u>					Sample temp _____ C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ben Miller

To: steven.patten@wwbwc.org
Subject: RE: JOB#14-08646

Hi Steven-

I am sending you two more Bacteria bottles to include with the order I sent on Friday. GW-70 and GW-72 needs to be re-sampled.

Best regards,

Ben Miller
EDGE

From: Ben Miller
Sent: Friday, May 16, 2014 12:47 PM
To: 'steven.patten@wwbwc.org'
Cc: Larry Henderson; Fran McAdow; receiving
Subject: JOB#14-08646

Hi Steven-

We need to have you resample the bacteria for GW-71 and Intake Job#14-08646. I looked into this further of why the samples were out of hold time. The reason this happened is, the UPS program gave you return **Ground** shipping label. Ground from your location is 2 days in transit. The program was supposed to send you NEXDAY AIR RETURN label. I am contacting UPS support to get this fixed. Fran just placed another order for your Stiller Pond project. We will not be including return labels for this order in tell we get the issue fixed with the UPS program.

We are sending you 2 bacteria bottles today for a resample. I am going to manually have the UPS program print out NEXT DAY AIR RETURN on EDGE's dime. Please make sure that you get the package to a UPS representative in time for Next Day Delivery.

Best regards,

Ben Miller
VP Support Services
PH: 800-755-9295
FX: 360-757-1402

EDGE
ANALYTICAL
LABORATORIES



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

22588



Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 905 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070

Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Council	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Ref #
City: Milton-Freewr St	City: Milton-Freewr St	Check Regulatory Program
Attn: Steven Patten	Phone: /	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170	FAX: /	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	P.O.#: /	<input type="checkbox"/> RCRA / CERCLA
Project: Resample Job# 14-08646 bacteria	Card#: /	<input type="checkbox"/> Other

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	SM9223B (ground Water)	Turn Around Time Required		Number of Containers	Special Instructions Conditions on Receipt
							<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)		
1	Locoax Key	G	bw	5/22/14	11:15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
2	Locoax Key	G	bw	5/22/14	11:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE

SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
<u>STEVEN PATTEN</u>	<u>5/22/14</u>					Sample temp <u> </u> C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ben Miller

To:

Cc:

Subject:

steven.patten@wwbwc.org

Larry Henderson; Fran McAdow; receiving

JOB#14-08646

Hi Steven-

We need to have you resample the bacteria for GW-71 and Intake Job#14-08646. I looked into this further of why the samples were out of hold time. The reason this happened is, the UPS program gave you return **Ground** shipping label. I am contacting UPS support to get this fixed. Fran just placed another order for your Stillier Pond project. We will not be including return labels for this order in tell we get the issue fixed with the UPS program.

We are sending you 2 bacteria bottles today for a resample. I am going to manually have the UPS program print out NEXT DAY AIR RETURN on EDGE's dime. Please make sure that you get the package to a UPS representative in time for Next Day Delivery.

Best regards,

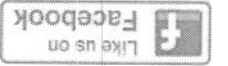
Ben Miller

VP Support Services

PH: 800-755-9295

FX: 360-757-1402

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June 27, 2014

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-10373 - Water Quality Locher Road

Dear Mr. Steven Patten,

Your project: Water Quality Locher Road, was received on Tuesday June 10, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



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360.671.0688

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

June 27, 2014

Page 1 of 1

Case Narrative

Reference: **14-10373**

Lab Sample ID	Sample Information	
24850	GW-70 - Locher Rd.	
Analytical Method	Notes	Created by
8081A	Bromacil was detected in the analysis and estimated at 0.1 ug/L. The compound was confirmed by GC/MS.	ERM



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503.682.7802

Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Report Date: 6/27/14

Date Received: 6/10/14

Reviewed by:

Sample Description: GW-71 - Locher Rd.										Sample Date: 6/9/14 11:50 am		
Lab Number: 24848		Sample Comment:							Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	
E-10617	TURBIDITY	3.24	0.10		NTU	1.0	180.1	6/10/14	MMH	TURB_140610		
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.0	245.1	6/20/14	MMH	245.1_140620		
16887-00-6	CHLORIDE	4.03	0.1	0.0211	mg/L	1.0	300.0	6/10/14	SRF	I140610A		
16984-48-8	FLUORIDE	0.10	0.1	0.0054	mg/L	1.0	300.0	6/10/14	SRF	I140610A		
14797-55-8	NITRATE-N	10	0.100	0.0114	mg/L	1.0	300.0	6/10/14	SRF	I140610A		
14808-79-8	SULFATE	17	0.2	0.0174	mg/L	1.0	300.0	6/10/14	SRF	I140610A		
E-14506	ALKALINITY	120	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612		
NA	BICARBONATE	120	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612		
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612		
NA	CORROSIVITY	-1.31			SI	1.0	SM203	6/20/14	mvp	COR_140620		
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	6/10/14	MMH	COLOR_140610	pH: 6.82	
E-11734	ODOR	ND	1		TON	1.0	SM2150	6/10/14	MMH	ODOR_140610	Temperature: 40.7C	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	250	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612		
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	250	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612		
E-10139	HYDROGEN ION (pH)	6.82			pH Units	1.0	SM4500-H+ B	6/10/14	MMH	PH_140610		
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C	6/11/14	AB	AMTEST_140611	Analyzed by Amtest	
7440-70-2	CALCIUM	34.3	0.5	0.007	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B		
7439-89-6	IRON	0.45	0.050	0.0013	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B		
7439-96-5	MANGANESE	0.010	0.005	0.0001	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B		
7440-39-3	BARIUM	0.047	0.001	0.00016	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7440-50-8	COPPER	0.0019 J	0.002	0.00028	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7782-49-2	SELENIUM	ND	0.002	0.00022	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		
7440-66-6	ZINC	0.0023 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616		

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	6/11/14	JMM	M_140610w
	TOTAL COLIFORM	P	P/A		per 100mL	1.0	SM9223 B/Colilert-18	6/11/14	JMM	M_140610w
7723-14-0	TOTAL PHOSPHORUS	0.092	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	6/11/14	SPL	TPHOS-140611

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

Data Report

Sample Description: GW-72 - Locher Rd.								Sample Date: 6/9/14 12:30 pm			
Lab Number: 24849		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.13	0.10		NTU	1.0	180.1	6/10/14	MMH	TURB_140610	
7439-97-6	MERCURY	ND	0.0002	0.0005	mg/L	1.0	245.1	6/17/14	MMH	245.1_140617	
16887-00-6	CHLORIDE	1.67	0.1	0.0211	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
16984-48-8	FLUORIDE	0.12	0.1	0.0054	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
14797-55-8	NITRATE-N	0.86	0.100	0.0114	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
14808-79-8	SULFATE	3.75	0.2	0.0174	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
E-14506	ALKALINITY	49.7	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	BICARBONATE	49.7	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	CORROSIVITY	-2.22			SI	1.0	SM203	6/20/14	mvp	COR_140620	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	6/10/14	MMH	COLOR_140610	pH: 6.76
E-11734	ODOR	ND	1		TON	1.0	SM2150	6/10/14	MMH	ODOR_140610	Temperature: 40.7C
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	98	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	98	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	6.76			pH Units	1.0	SM4500-H+ B	6/10/14	MMH	PH_140610	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C	6/11/14	AB	AMTEST_140611	Analyzed by Amtest
7440-70-2	CALCIUM	11.1	0.5	0.007	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7439-89-6	IRON	0.007	0.050	0.0013	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7440-39-3	BARIUM	0.012	0.001	0.00016	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-50-8	COPPER	0.0007 J	0.002	0.00028	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7439-96-5	MANGANESE	0.00015 J	0.001	0.00025	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7782-49-2	SELENIUM	ND	0.002	0.00022	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-66-6	ZINC	0.00096 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	6/11/14	JMM	M_140610w	
	TOTAL COLIFORM	P	P/A		per 100mL	1.0	SM9223 B/Colilert-18	6/11/14	JMM	M_140610w	
7723-14-0	TOTAL PHOSPHORUS	0.077	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	6/11/14	SPL	TPHOS-140611	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: GW-70 - Locher Rd.								Sample Date: 6/9/14 11:10 am			
Lab Number: 24850		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.40	0.10		NTU	1.0	180.1	6/10/14	MMH	TURB_140610	
7439-97-6	MERCURY	ND	0.0002	0.0005	mg/L	1.0	245.1	6/17/14	MMH	245.1_140617	
16887-00-6	CHLORIDE	3.31	0.1	0.0211	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
16984-48-8	FLUORIDE	0.11	0.1	0.0054	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
14797-55-8	NITRATE-N	3.31	0.100	0.0114	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
14808-79-8	SULFATE	6.93	0.2	0.0174	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
E-14506	ALKALINITY	105	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	BICARBONATE	105	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	CORROSIVITY	-1.48			SI	1.0	SM203	6/20/14	mvp	COR_140620	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	6/10/14	MMH	COLOR_140610	pH: 6.87
E-11734	ODOR	ND	1		TON	1.0	SM2150	6/12/14	MMH	ODOR_140612	Temperature: 40.6C
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	174	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	174	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	6.87			pH Units	1.0	SM4500-H+ B	6/10/14	MMH	PH_140610	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C	6/11/14	AB	AMTEST_140611	Analyzed by Amtest
7440-70-2	CALCIUM	23.4	0.5	0.007	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7439-89-6	IRON	0.08	0.050	0.0013	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7439-96-5	MANGANESE	0.003	0.005	0.0001	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7440-39-3	BARIUM	0.026	0.001	0.00016	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-50-8	COPPER	0.0007 J	0.002	0.00028	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7782-49-2	SELENIUM	ND	0.002	0.00022	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-66-6	ZINC	ND	0.0025	0.00091	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	6/11/14	JMM	M_140610w	
	TOTAL COLIFORM	P	P/A		per 100mL	1.0	SM9223 B/Colilert-18	6/11/14	JMM	M_140610w	
7723-14-0	TOTAL PHOSPHORUS	0.095	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	6/11/14	SPL	TPHOS-140611	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Intake - Locher Rd.								Sample Date: 6/9/14 12:55 pm			
Lab Number: 24851		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	3.58	0.10		NTU	1.0	180.1	6/10/14	MMH	TURB_140610	
7439-97-6	MERCURY	ND	0.0002	0.0005	mg/L	1.0	245.1	6/17/14	MMH	245.1_140617	
16887-00-6	CHLORIDE	2.06	0.1	0.0211	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
16984-48-8	FLUORIDE	0.11	0.1	0.0054	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
14797-55-8	NITRATE-N	0.65	0.100	0.0114	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
14808-79-8	SULFATE	4.50	0.2	0.0174	mg/L	1.0	300.0	6/10/14	SRF	I140610A	
E-14506	ALKALINITY	57.9	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	BICARBONATE	57.9	5.00		mg CaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/12/14	SPL	310.2_140612	
NA	CORROSIVITY	-1.06			SI	1.0	SM203	6/20/14	mvp	COR_140620	
E-11712	COLOR	7	5		Color Units	1.0	SM2120 B	6/10/14	MMH	COLOR_140610	pH: 7.78
E-11734	ODOR	2.0	1		TON	1.0	SM2150	6/12/14	MMH	ODOR_140612	Temperature: 39.2C
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	105	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	105	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	7.78			pH Units	1.0	SM4500-H+ B	6/10/14	MMH	PH_140610	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C	6/11/14	AB	AMTEST_140611	Analyzed by Amtest
7440-70-2	CALCIUM	13.2	0.5	0.007	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7439-89-6	IRON	0.47	0.050	0.0013	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7439-96-5	MANGANESE	0.015	0.005	0.0001	mg/L	1.0	200.7/3010A	6/16/14	BJ	200.7-140616B	
7440-39-3	BARIUM	0.019	0.001	0.00016	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-50-8	COPPER	0.001 J	0.002	0.00028	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7439-92-1	LEAD	0.0002 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7782-49-2	SELENIUM	ND	0.002	0.00022	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7440-66-6	ZINC	0.0027	0.0025	0.00091	mg/L	1.0	200.8/3010A	6/16/14	MVP	200.8_140616	
7723-14-0	TOTAL PHOSPHORUS	0.070	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	6/11/14	SPL	TPHOS-140611	

Notes:

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 D.F. - Dilution Factor



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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24848
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24849
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24850
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24851
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24848
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24849
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

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DATA REPORT

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Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24850
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24851
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24848
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/26/14
Date Analyzed: 6/24/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND	M1	ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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D.F. - Dilution Factor.

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24849
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/26/14
Date Analyzed: 6/24/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24850
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/26/14
Date Analyzed: 6/24/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10373**
Project: Water Quality Locher Road

Lab Number: 24851
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 6/9/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/26/14
Date Analyzed: 6/24/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.67		ug/L	0.1	0.1	0.06	1.00	Verified with GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	

Notes:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
200.7-140616B	CALCIUM	26.2	26	mg/L	200.7	101	85-115	LFB	
	IRON	0.97	1	mg/L	200.7	97	85-115		
	MANGANESE	0.98	1	mg/L	200.7	98	85-115		
200.8_140616	BARIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	CADMIUM	0.041	0.040	mg/L	200.8	103	85-115		
	CHROMIUM	0.036	0.040	mg/L	200.8	90	85-115		
	COPPER	0.040	0.040	mg/L	200.8	100	85-115		
	LEAD	0.039	0.040	mg/L	200.8	98	85-115		
	MANGANESE	0.037	0.040	mg/L	200.8	93	85-115		
	SELENIUM	0.042	0.040	mg/L	200.8	105	85-115		
	SILVER	0.040	0.040	mg/L	200.8	100	85-115		
ZINC	0.042	0.040	mg/L	200.8	105	85-115			
245.1_140617	MERCURY	0.00170	0.00167	mg/L	245.1	102	85-115	LFB	
245.1_140620	MERCURY	0.00171	0.00167	mg/L	245.1	102	85-115	LFB	
8081W_140613	4,4' - DDD	0.56	0.5	ug/L	8081A	112	78-132	LFB	
	4,4' - DDE	0.52	0.5	ug/L	8081A	104	73-127		
	4,4' - DDT	0.64	0.5	ug/L	8081A	128	56-158		
	ALDRIN	0.53	0.5	ug/L	8081A	106	68-128		
	ALPHA-CHLORDANE	0.56	0.5	ug/L	8081A	112	70-130		
	BHC, ALPHA -	0.52	0.5	ug/L	8081A	104	37-134		
	BHC, BETA -	0.58	0.5	ug/L	8081A	116	17-147		
	BHC, DELTA -	0.55	0.5	ug/L	8081A	110	32-127		
	DIELDRIN	0.56	0.5	ug/L	8081A	112	74-134		
	ENDOSULFAN I	0.5	0.5	ug/L	8081A	100	67-133		
	ENDOSULFAN II	0.55	0.5	ug/L	8081A	110	64-142		
	ENDOSULFAN SULFATE	0.51	0.5	ug/L	8081A	102	71-143		
	ENDRIN	0.59	0.5	ug/L	8081A	118	30-147		
	ENDRIN ALDEHYDE	0.54	0.5	ug/L	8081A	108	70-130		

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8081W_140613	ENDRIN KETONE	0.64	0.5	ug/L	8081A	128	70-130	LFB	
	GAMMA-CHLORDANE	0.57	0.5	ug/L	8081A	114	74-124		
	HEPTACHLOR	0.57	0.5	ug/L	8081A	114	61-133		
	HEPTACHLOR EPOXIDE "B"	0.55	0.5	ug/L	8081A	110	73-127		
	LINDANE (BHC - GAMMA)	0.53	0.5	ug/L	8081A	106	17-140		
	METHOXYCHLOR	0.65	0.5	ug/L	8081A	130	41-157		
	DECACHLOROBIIPHENYL (Surr)	111		%	8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	98		%	8081A		67-115		
8151W_140613	PICLORAM	1.46	2.22	ug/L	8151A	66	48-114	LFB	
	3,5 - DICHLOROBENZOIC ACID	1.53	2.22	ug/L	8151A	69	70-130	LM	
	BENTAZON	2.99	4.44	ug/L	8151A	67	67-121		
	TOTAL DCPA	1.14	2.22	ug/L	8151A	51	48-168		
	2,4 - D	3.14	4.44	ug/L	8151A	71	60-120		
	2,4 DB	13.5	17.8	ug/L	8151A	76	49-134		
	2,4,5 - TP (SILVEX)	1.56	2.22	ug/L	8151A	70	68-122		
	2,4,5 T	1.61	2.22	ug/L	8151A	73	62-128		
	DALAPON	12.4	28.9	ug/L	8151A	43	53-142	LM	
	DICAMBA	1.47	2.22	ug/L	8151A	66	66-126		
	DICHLORPROP	4.53	6.66	ug/L	8151A	68	63-123		
	DINOSEB	2.35	4.44	ug/L	8151A	53	73-127	LM	
	MCPA	1.38	2.22	ug/L	8151A	62	49-121		
	MCPP	1.42	2.22	ug/L	8151A	64	48-126		
	PENTACHLOROPHENOL	1.34	2.22	ug/L	8151A	60	69-123	LM	
	ACIFLUORFEN	1.59	2.22	ug/L	8151A	72	65-125		
TRICLOPYR	1.64	2.22	ug/L	8151A	74	70-130			
2,4 - DCAA (Surr)	75		%	8151A		61-129			
8260W_140610	1,1 - DICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120	LFB	
	1,1 - DICHLOROETHYLENE	3.8	4	ug/L	8260B	95	80-120		
	1,1 - DICHLOROPROPENE	3.6	4	ug/L	8260B	90	80-120		
	1,1,1 - TRICHLOROETHANE	3.8	4	ug/L	8260B	95	80-120		
	1,1,1,2 - TETRACHLOROETHANE	3.6	4	ug/L	8260B	90	80-120		
	1,1,2 - TRICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120		

*Notation:
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 NA = Indicates % Recovery could not be calculated.
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 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140610	1,1,2,2 - TETRACHLOROETHANE	3.4	4	ug/L	8260B	85	80-120	LFB	
	1,2 - DICHLOROBENZENE (ortho)	3.6	4	ug/L	8260B	90	80-120		
	1,2 - DICHLOROETHANE	3.8	4	ug/L	8260B	95	80-120		
	1,2 - DICHLOROPROPANE	3.6	4	ug/L	8260B	90	80-120		
	1,2,3 - TRICHLOROBENZENE	3.3	4	ug/L	8260B	83	80-120		
	1,2,3 - TRICHLOROPROPANE	3.6	4	ug/L	8260B	90	80-120		
	1,2,4 - TRICHLOROBENZENE	3.5	4	ug/L	8260B	88	80-120		
	1,2,4 - TRIMETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120		
	1,2-DIBROMO-3-CHLOROPROPANE	3.4	4	ug/L	8260B	85	80-120		
	1,3 - DICHLOROBENZENE (meta)	3.7	4	ug/L	8260B	93	80-120		
	1,3 - DICHLOROPROPANE	3.7	4	ug/L	8260B	93	80-120		
	1,3,5 - TRIMETHYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	1,4 - DICHLOROBENZENE (para)	3.7	4	ug/L	8260B	93	80-120		
	2,2 - DICHLOROPROPANE	5.1	4	ug/L	8260B	128	80-120	HR	
	BENZENE	3.7	4	ug/L	8260B	93	80-120		
	BROMOBENZENE	3.7	4	ug/L	8260B	93	80-120		
	BROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120		
	BROMODICHLOROMETHANE	3.8	4	ug/L	8260B	95	80-120		
	BROMOFORM	3.5	4	ug/L	8260B	88	80-120		
	BROMOMETHANE	5.0	4	ug/L	8260B	125	80-120	HR	
	CARBON TETRACHLORIDE	3.7	4	ug/L	8260B	93	80-120		
	CHLOROBENZENE	3.7	4	ug/L	8260B	93	80-120		
	CHLOROETHANE	4.0	4	ug/L	8260B	100	80-120		
	CHLOROFORM	3.7	4	ug/L	8260B	93	80-120		
	CHLOROMETHANE	3.7	4	ug/L	8260B	93	80-120		
	CIS - 1,2 - DICHLOROETHENE	3.8	4	ug/L	8260B	95	80-120		
	CIS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	80-120		
	DIBROMOCHLOROMETHANE	3.6	4	ug/L	8260B	90	80-120		
	DIBROMOMETHANE	3.7	4	ug/L	8260B	93	80-120		
	DICHLORODIFLUOROMETHANE	4.1	4	ug/L	8260B	103	80-120		
	ETHYLBENZENE	3.8	4	ug/L	8260B	95	80-120		
	HEXACHLOROBUTADIENE	3.6	4	ug/L	8260B	90	80-120		
	ISOPROPYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
M,P- XYLENE	7.5	8	ug/L	8260B	94	80-120			
METHYL TERT-BUTYL ETHER	3.7	4	ug/L	8260B	93	80-120			
METHYLENE CHLORIDE	3.8	4	ug/L	8260B	95	80-120			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140610	N - BUTYLBENZENE	3.4	4	ug/L	8260B	85	80-120	LFB	
	N - PROPYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	NAPHTHALENE	3.4	4	ug/L	8260B	85	80-120		
	O - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	80-120		
	O - XYLENE	3.7	4	ug/L	8260B	93	80-120		
	P - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	80-120		
	P - ISOPROPYLTOLUENE	3.5	4	ug/L	8260B	88	80-120		
	SEC - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	STYRENE	3.5	4	ug/L	8260B	88	80-120		
	TERT - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	TETRACHLOROETHYLENE	3.8	4	ug/L	8260B	95	80-120		
	TOLUENE	3.8	4	ug/L	8260B	95	80-120		
	TRANS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	80-120		
	TRANS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	80-120		
	TRICHLOROETHENE	3.7	4	ug/L	8260B	93	80-120		
	TRICHLOROFLUOROMETHANE	3.6	4	ug/L	8260B	90	80-120		
	VINYL CHLORIDE	4.1	4	ug/L	8260B	103	80-120		
	d8-TOLUENE (Surr)	102	100	%	8260B	102			

*Notation:

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NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-10373

Report Date: 06/30/14

Batch	Analyte	True		Units	Method	% Recovery		QC		Comment
		Result	Value			Recovery	Limits*	Qualifier Type*		
8081W_140613	4,4' - DDD	0.051	0.05	ug/L	8081A	102	78-132		LFBD	
	4,4' - DDE	0.047	0.05	ug/L	8081A	94	73-127			
	4,4' - DDT	0.051	0.05	ug/L	8081A	102	56-158			
	ALDRIN	0.042	0.05	ug/L	8081A	84	68-128			
	ALPHA-CHLORDANE	0.047	0.05	ug/L	8081A	94	70-130			
	BHC, ALPHA -	0.047	0.05	ug/L	8081A	94	37-134			
	BHC, BETA -	0.046	0.05	ug/L	8081A	92	17-147			
	BHC, DELTA -	0.05	0.05	ug/L	8081A	100	32-127			
	DIELDRIN	0.055	0.05	ug/L	8081A	110	74-134			
	ENDOSULFAN I	0.049	0.05	ug/L	8081A	98	67-133			
	ENDOSULFAN II	0.053	0.05	ug/L	8081A	106	64-142			
	ENDOSULFAN SULFATE	0.056	0.05	ug/L	8081A	112	71-143			
	ENDRIN	0.051	0.05	ug/L	8081A	102	30-147			
	ENDRIN ALDEHYDE	0.051	0.05	ug/L	8081A	102	70-130			
	ENDRIN KETONE	0.058	0.05	ug/L	8081A	116	70-130			
	GAMMA-CHLORDANE	0.05	0.05	ug/L	8081A	100	74-124			
	HEPTACHLOR	0.047	0.05	ug/L	8081A	94	61-133			
	HEPTACHLOR EPOXIDE "B"	0.051	0.05	ug/L	8081A	102	73-127			
	LINDANE (BHC - GAMMA)	0.05	0.05	ug/L	8081A	100	17-140			
	METHOXYCHLOR	0.062	0.05	ug/L	8081A	124	41-157			
DECACHLOROBIIPHENYL (Surr)	108		%	8081A			58-132			
TETRACHLORO-M-XYLENE (Surr)	98		%	8081A			67-115			

***Notation:**

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140616B	CALCIUM	ND		mg/L	200.7	0.00000		LRB		
	IRON	ND		mg/L	200.7	0.02500				
	MANGANESE	ND		mg/L	200.7	0.00250				
200.8_140616	BARIUM	ND		mg/L	200.8	0.00050		LRB		
	CADMIUM	ND		mg/L	200.8	0.00050				
	CHROMIUM	ND		mg/L	200.8	0.00250				
	COPPER	ND		mg/L	200.8	0.00250				
	LEAD	ND		mg/L	200.8	0.00050				
	MANGANESE	ND		mg/L	200.8	0.00250				
	SELENIUM	ND		mg/L	200.8	0.00250				
	SILVER	ND		mg/L	200.8	0.00050				
	ZINC	ND		mg/L	200.8	0.00250				
245.1_140617	MERCURY	ND		mg/L	245.1	0.00010		LRB		
245.1_140620	MERCURY	ND		mg/L	245.1	0.00010		LRB		
310.2_140612	ALKALINITY	ND		mg CaCO3/l310.2		0.00000		LRB		
I140610A	FLUORIDE	ND		mg/L	300.0	0.01000		LRB		
	NITRATE-N	ND		mg/L	300.0	0.10000				
	CHLORIDE	ND		mg/L	300.0	0.10000				
	SULFATE	ND		mg/L	300.0	0.10000				
TPHOS-140611	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0.01000		LRB		

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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140616B	CALCIUM	ND		mg/L	200.7	0.00000		MB		
	IRON	ND		mg/L	200.7	0.02500				
	MANGANESE	ND		mg/L	200.7	0.00250				
200.8_140616	BARIUM	ND		mg/L	200.8	0.00050		MB		
	CADMIUM	ND		mg/L	200.8	0.00050				
	CHROMIUM	ND		mg/L	200.8	0.00250				
	COPPER	ND		mg/L	200.8	0.00250				
	LEAD	ND		mg/L	200.8	0.00050				
	MANGANESE	ND		mg/L	200.8	0.00250				
	SELENIUM	ND		mg/L	200.8	0.00250				
	SILVER	ND		mg/L	200.8	0.00050				
	ZINC	ND		mg/L	200.8	0.00250				
310.2_140612	ALKALINITY	ND		mg CaCO3/l	310.2	0.00000		MB		
8081W_140613	4,4' - DDD	ND		ug/L	8081A	0.02000		MB		
	4,4' - DDE	ND		ug/L	8081A	0.02000				
	4,4' - DDT	ND		ug/L	8081A	0.02000				
	ALDRIN	ND		ug/L	8081A	0.02000				
	ALPHA-CHLORDANE	ND		ug/L	8081A	0.02000				
	BHC, ALPHA -	ND		ug/L	8081A	0.02000				
	BHC, BETA -	ND		ug/L	8081A	0.02000				
	BHC, DELTA -	ND		ug/L	8081A	0.02000				
	DIELDRIN	ND		ug/L	8081A	0.02000				
	ENDOSULFAN I	ND		ug/L	8081A	0.02000				
	ENDOSULFAN II	ND		ug/L	8081A	0.02000				
	ENDOSULFAN SULFATE	ND		ug/L	8081A	0.02000				
	ENDRIN	ND		ug/L	8081A	0.02000				
	ENDRIN ALDEHYDE	ND		ug/L	8081A	0.02000				
	ENDRIN KETONE	ND		ug/L	8081A	0.02000				
	GAMMA-CHLORDANE	ND		ug/L	8081A	0.02000				
HEPTACHLOR	ND		ug/L	8081A	0.02000					

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10373

Report Date: 06/30/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8081W_140613	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0.02000	MB	
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0.02000		
	METHOXYCHLOR	ND		ug/L	8081A		0.02000		
	DECACHLOROBIPHENYL (Surr)	100		%	8081A				
	TETRACHLORO-M-XYLENE (Surr)	95		%	8081A				
8151W_140613	PICLORAM	ND		ug/L	8151A		0.07000	MB	
	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	8151A		0.20000		
	BENTAZON	ND		ug/L	8151A		0.20000		
	TOTAL DCPA	ND		ug/L	8151A		0.03000		
	2,4 - D	ND		ug/L	8151A		0.03000		
	2,4 DB	ND		ug/L	8151A		0.30000		
	2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0.03000		
	2,4,5 T	ND		ug/L	8151A		0.03000		
	DALAPON	ND		ug/L	8151A		0.40000		
	DICAMBA	ND		ug/L	8151A		0.03000		
	DICHLORPROP	ND		ug/L	8151A		0.03000		
	DINOSEB	ND		ug/L	8151A		0.03000		
	MCPA	ND		ug/L	8151A		0.03000		
	MCPP	ND		ug/L	8151A		0.03000		
	PENTACHLOROPHENOL	ND		ug/L	8151A		0.03000		
	ACIFLUORFEN	ND		ug/L	8151A		0.03000		
TRICLOPYR	ND		ug/L	8151A		0.03000			
2,4 - DCAA (Surr)	71		%	8151A		0.00000			
8260W_140610	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0.12000	MB	TB 14-10224
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0.12000		TB 14-10224
1,2 - DICHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224	

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10373

Report Date: 06/30/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8260W_140610	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000	MB		TB 14-10224
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0.12000			TB 14-10224
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0.12000			TB 14-10224
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-10224
	BENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	BROMOBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	BROMOCHLOROMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	BROMODICHLOROMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	BROMOFORM	ND		ug/L	8260B		0.12000			TB 14-10224
	BROMOMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	CARBON TETRACHLORIDE	ND		ug/L	8260B		0.12000			TB 14-10224
	CHLOROBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	CHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	CHLOROFORM	ND		ug/L	8260B		0.12000			TB 14-10224
	CHLOROMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0.12000			TB 14-10224
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000			TB 14-10224
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	DIBROMOMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0.12000			TB 14-10224
	ETHYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	HEXACHLOROBUTADIENE	ND		ug/L	8260B		0.12000			TB 14-10224
	ISOPROPYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	M,P- XYLENE	ND		ug/L	8260B		0.12000			TB 14-10224
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0.25000			TB 14-10224
	METHYLENE CHLORIDE	ND		ug/L	8260B		0.50000			TB 14-10224
	N - BUTYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	N - PROPYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-10224
	NAPHTHALENE	ND		ug/L	8260B		0.12000			TB 14-10224

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NA = Indicates % Recovery could not be calculated.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8260W_140610	O - CHLOROTOLUENE	ND		ug/L	8260B	0.12000		MB	TB 14-10224
	O - XYLENE	ND		ug/L	8260B	0.12000			TB 14-10224
	P - CHLOROTOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	SEC - BUTYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	STYRENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TERT - BUTYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TETRACHLOROETHYLENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRICHLOROETHENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B	0.12000			TB 14-10224
	VINYL CHLORIDE	ND		ug/L	8260B	0.12000			TB 14-10224
d8-TOLUENE (Surr)	102		%	8260B					TB 14-10224
COLOR_140610	COLOR	ND		CU	SM2120 B	1.25000		MB	
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000			
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000			
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000			
TPHOS-140611	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0.02000		MB	
TURB_140610	TURBIDITY	ND		NTU	180.1	0.02000		MB	

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
200.7-140616B	IRON	1	1	mg/L	200.7	100	85-115	QCS		
	MANGANESE	1.02	1	mg/L	200.7	102	85-115			
200.7-140616B	CALCIUM	20.5	20	mg/L	200.7	103	85-115	QCS		
200.8_140616	BARIUM	0.041	0.040	mg/L	200.8	103	85-115	QCS		
	CADMIUM	0.040	0.040	mg/L	200.8	100	85-115			
	CHROMIUM	0.037	0.040	mg/L	200.8	93	85-115			
	COPPER	0.040	0.040	mg/L	200.8	100	85-115			
	LEAD	0.039	0.040	mg/L	200.8	98	85-115			
	MANGANESE	0.037	0.040	mg/L	200.8	93	85-115			
	SELENIUM	0.041	0.040	mg/L	200.8	103	85-115			
	SILVER	0.040	0.040	mg/L	200.8	100	85-115			
ZINC	0.040	0.040	mg/L	200.8	100	85-115				
245.1_140617	MERCURY	0.00200	0.00200	mg/L	245.1	100	85-115	QCS		
245.1_140620	MERCURY	0.00202	0.00200	mg/L	245.1	101	85-115	QCS		
310.2_140612	ALKALINITY	96.6	100	mg CaCO3/l310.2		97	85-115	QCS		
COLOR_140610	COLOR	10	10	CU	SM2120 B	100	80-120	QCS		
I140610A	FLUORIDE	2.43	2.5	mg/L	300.0	97	90-110	QCS		
	NITRATE-N	2.56	2.5	mg/L	300.0	102	80-120			
	CHLORIDE	31	30	mg/L	300.0	103	80-120			
	SULFATE	32	30	mg/L	300.0	107	80-120			
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	70-130	QCS		
	TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	80-120			

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-10373
Report Date: 06/30/14

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type*	Comment
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	80-120		
TPHOS-140611	TOTAL PHOSPHORUS	0.095	0.102	mg/L	SM4500-P F	93	70-130	QCS	
TURB_140610	TURBIDITY	1.03	1.00	NTU	180.1	103	70-130	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



Burlington WA Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802



SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-10373
Report Date: 6/27/2014

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		
			Result	Result				Qualifier	Type	Comments
310.2_140612										
	24851	BICARBONATE	57.9	57.1	mg CaCO3/L	1.4	0-20		DUP	
	24851	ALKALINITY	57.9	57.1	mg CaCO3/L	1.4	0-20		DUP	
8151W_140613										
	24851	TOTAL DCPA	0.67	0.63	ug/L	6.2	0-35		DUP	
	24851	2,4 - DCAA (SURRE)	126	122	%	3.2	0-35		DUP	
ODOR_140610										
ODOR_140612										
	24851	ODOR	2.0	2.3	TON	14.0	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc			MS	MSD				Qualifier	Type	
310.2_140612															
	24851	BICARBONATE	57.9	308	307	250	mg CaCO3/L	100	100	70-130	0.4	0-20		LFM	
	24851	ALKALINITY	57.9	308	307	250	mg CaCO3/L	100	100	70-130	0.4	0-50		LFM	
8081W_140613															
	24848	ALDRIN	ND	0.42		0.5	ug/L	84	NA	68-128	NA	0-30		LFM	
	24848	BHC, ALPHA -	ND	0.41		0.5	ug/L	82	NA	37-134	NA	0-30		LFM	
	24848	BHC, BETA -	ND	0.44		0.5	ug/L	88	NA	17-147	NA	0-30		LFM	
	24848	LINDANE (BHC - GAMMA)	ND	0.42		0.5	ug/L	84	NA	19-140	NA	0-30		LFM	
	24848	BHC, DELTA -	ND	0.42		0.5	ug/L	84	NA	32-127	NA	0-30		LFM	
	24848	ALPHA-CHLORDANE	ND	0.38		0.5	ug/L	76	NA	70-130	NA	0-30		LFM	
	24848	GAMMA-CHLORDANE	ND	0.42		0.5	ug/L	84	NA	74-124	NA	0-30		LFM	
	24848	4,4' - DDT	ND	0.52		0.5	ug/L	104	NA	56-158	NA	0-30		LFM	
	24848	4,4' - DDE	ND	0.38		0.5	ug/L	76	NA	73-127	NA	0-30		LFM	
	24848	4,4' - DDD	ND	0.41		0.5	ug/L	82	NA	78-132	NA	0-30		LFM	
	24848	DIELDRIN	ND	0.49		0.5	ug/L	98	NA	74-134	NA	0-30		LFM	
	24848	ENDOSULFAN I	ND	0.37		0.5	ug/L	74	NA	67-133	NA	0-30		LFM	
	24848	ENDOSULFAN II	ND	0.37		0.5	ug/L	74	NA	64-142	NA	0-30		LFM	
	24848	ENDOSULFAN SULFATE	ND	0.44		0.5	ug/L	88	NA	71-143	NA	0-30		LFM	
	24848	ENDRIN	ND	0.44		0.5	ug/L	88	NA	30-147	NA	0-30		LFM	
	24848	ENDRIN ALDEHYDE	ND	0.35		0.5	ug/L	70	NA	70-130	NA	0-30		LFM	
	24848	ENDRIN KETONE	ND	0.47		0.5	ug/L	94	NA	70-130	NA	0-30		LFM	
	24848	HEPTACHLOR	ND	0.44		0.5	ug/L	88	NA	61-133	NA	0-30		LFM	
	24848	HEPTACHLOR EPOXIDE "B"	ND	0.41		0.5	ug/L	82	NA	73-127	NA	0-30		LFM	
	24848	METHOXYCHLOR	ND	0.57		0.5	ug/L	114	NA	41-157	NA	0-30		LFM	
	24848	DECACHLOROBIPHENYL (Surr)	92	82			%		NA	58-132	NA	0-30		LFM	
	24848	TETRACHLORO-M-XYLENE (Surr)	97	84			%		NA	67-115	NA	0-30		LFM	
8151W_140613															
	24848	PICLORAM	ND	2.41		2.3	ug/L	105	NA	48-114	NA	0-30		LFM	
	24848	3,5 - DICHLOROBENZOIC ACID	ND	2.92		2.3	ug/L	127	NA	70-130	NA	0-30		LFM	
	24848	BENTAZON	ND	4.98		4.6	ug/L	108	NA	67-121	NA	0-30		LFM	
	24848	TOTAL DCPA	ND	2.66		2.3	ug/L	116	NA	48-168	NA	0-30		LFM	
	24848	DALAPON	ND	30.0		29.9	ug/L	100	NA	53-142	NA	0-30		LFM	
	24848	2,4 DB	ND	20.1		18.4	ug/L	109	NA	49-134	NA	0-30		LFM	
	24848	DINOSEB	ND	5.21		4.6	ug/L	113	NA	73-127	NA	0-30		LFM	
	24848	DICAMBA	ND	2.63		2.3	ug/L	114	NA	66-126	NA	0-30		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		
					Spike Result	Spike Conc		MS	MSD				Qualifier	Type	Comments
24848	DICHLORPROP		ND	7.74		6.9	ug/L	112	NA	63-123	NA	0-30		LFM	
24848	2,4 - D		ND	5.21		4.6	ug/L	113	NA	60-120	NA	0-30		LFM	
24848	PENTACHLOROPHENOL		ND	2.45		2.3	ug/L	107	NA	69-123	NA	0-30		LFM	
24848	2,4,5 - TP (SILVEX)		ND	2.68		2.3	ug/L	117	NA	68-122	NA	0-30		LFM	
24848	2,4,5 T		ND	2.62		2.3	ug/L	114	NA	62-128	NA	0-30		LFM	
24848	MCPA		ND	2.23		2.3	ug/L	97	NA	49-121	NA	0-30		LFM	
24848	MCPP		ND	2.48		2.3	ug/L	108	NA	48-126	NA	0-30		LFM	
24848	ACIFLUORFEN		ND	3.14		2.3	ug/L	137	NA	65-125	NA	0-30	M1	LFM	
24848	TRICLOPYR		ND	2.77		2.3	ug/L	120	NA	65-135	NA	0-30		LFM	
24848	2,4 - DCAA (SURR)		120	120			%		NA	61-129	NA	0-30		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 14-10373

Report Date: 06/27/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081W_140613 24848	DECACHLOROBIPHENYL (Surr)	92		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	97		%		Acceptance Limits 67-115%
8151W_140613 24848	2,4 - DCAA (Surr)	120		%	8151A	Acceptance Range 61-129%
8260W_140610 24848	1,2 - DICHLOROETHANE-d4 (Surr)	98		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	103		%		Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	103		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	105		%		Acceptance Range is 70-130%
8081W_140613 24849	DECACHLOROBIPHENYL (Surr)	86		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	95		%		Acceptance Limits 67-115%
8151W_140613 24849	2,4 - DCAA (Surr)	118		%	8151A	Acceptance Range 61-129%
8260W_140610 24849	1,2 - DICHLOROETHANE-d4 (Surr)	96		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	104		%		Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	99		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	105		%		Acceptance Range is 70-130%
8081W_140613 24850	DECACHLOROBIPHENYL (Surr)	90		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	94		%		Acceptance Limits 67-115%
8151W_140613 24850	2,4 - DCAA (Surr)	117		%	8151A	Acceptance Range 61-129%
8260W_140610 24850	1,2 - DICHLOROETHANE-d4 (Surr)	100		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	103		%		Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	99		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	104		%		Acceptance Range is 70-130%
8081W_140613 24851	DECACHLOROBIPHENYL (Surr)	72		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	93		%		Acceptance Limits 67-115%
8151W_140613 24851	2,4 - DCAA (Surr)	126		%	8151A	Acceptance Range 61-129%
8260W_140610 24851	1,2 - DICHLOROETHANE-d4 (Surr)	96		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	104		%		Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	100		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	105		%		Acceptance Range is 70-130%

***Notation:**

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-10373

Report Date: 06/27/14

Qualifier	Definition
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
IEV	Acceptance criteria do not apply to estimated values
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LM	The LFB recovery for this sample set was below the acceptance limit. The matrix spike recovery was acceptable. Since there were no detections in the samples and there was adequate sensitivity below the SRL, no further action was taken.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Matrix bias indicated.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:	
Ship Address:	810 S Main Street	Address:	
City:	Milton-Freewe St. OR Zip: 97862	City:	St. Zip:
Attn:	Steven Patten	Phone:	FAX:
Phone:	541.938-2170 FAX:	P.O.#:	Attn:
Email:	steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires
Project:	Water Quality/Locher Road	Card#:	/

For Lab Use Only	Ref # <u>14-10373</u>
<input type="checkbox"/> Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other	

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	Turn Around Time Required		Special Instructions	
						<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)	Number of Containers	Conditions on Receipt
1	6W-71 Locher Rd	G	6W	6/9/14	11:50	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2	6W-72 Locher Rd	G	6W	6/9/14	12:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: Steven Patten Phone: 541-938-2170 FAX: 541-938-2170 Email: SPATE@BBWE

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
<u>Steven Patten</u>	<u>6/9/14</u>	<u>13:45</u>	<u>WBS</u>	<u>6/10/14</u>	<u>09:30</u>

Custody seals intact Yes No N/A

Sample temp 4 C satisfactory

Samples received intact

Chain of custody & labels agree



CO022730

Willsomville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Willsomville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333



Report to: Walla Walla Basin Watershed Cour
 Ship Address: 810 S Main Street
 City: Milton-Freewr St OR Zip: 97862
 Attn: Steven Patten
 Phone: 541.938-2170 FAX:
 Email: steven.patten@wwbwc.org
 Project: Water Quality/Locher Road

Bill to: Address: City: St: Zip:
 Phone: FAX:
 P.O.#: Attn:
 Visa M/C A/E Expires /
 Card#:

For Lab Use Only
 Ref #
 Check Regulatory Program
 Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 905 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-662-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions
 1. Use one line per sample Location.
 2. Be specific in analysis requests.
 3. (MEW) List each metal individually. (MEW)
 4. Check off analyses to be performed for each sample Location.
 5. Enter number of containers.

Turn Around Time Required
 Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	TRIP BLANK (8260)	Number of Containers	Special Instructions Conditions on Receipt
1	6W-71 Locher RD	G	6W	6/9/14	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	6W-72 Locher RD	G	6W	6/9/14	12:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SP@RSP@VW											Total Containers	

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
Steven Patten	6/9/14	13:45	WPS			Sample temp _____ C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act	ANALYTICAL LABORATORIES
City: Milton-Freewe St OR Zip: 97862	City: St. Zip:	<input type="checkbox"/> Clean Water Act	<input type="checkbox"/> RCRA / CERCLA	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Other		
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires / / <input type="checkbox"/> Card#:		
Email: steven.patten@wwbwc.org	Project: Water Quality/Locher Road			

Wilsonville Lab (503-682-7802)
 8150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)		8151		8260		Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Fe, Mn, Zn		Carbonate and Bicarbonate		Chloride, Sulfate, Fluoride, TDS, Color		MBAS (Foaming Agents)		Nitrate as N, Turbidity, Corrosivity		Number of Containers	Special Instructions Conditions on Receipt
						X		X		X		X		X		X		X		X			
1	612-70		612	6/9/14	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	INSTAKE		6	6/9/14	12:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN		Phone: 541-938-2170		FAX: 541-938-2170		Email: SPATTEN@WWBWC.ORG		SW - surface water		WW - waste water		OL - oil		Total Containers									

Sample Receipt Request (Must include FAX or Email)

* W - water
DW - drinking water

SW - surface water
GW - Ground water

WW - waste water
S - soil
Other _____

Retinquished by	Date	Time	Received by	Date	Time
-----------------	------	------	-------------	------	------

STEVEN PATTEN 6/9/14 13:45 WPS

Custody seals intact Yes No N/A
 Sample temp C satisfactory
 Samples received intact

Chain of custody & labels agree



CO022730

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		Ref #		For Lab Use Only					
Ship Address:	810 S Main Street	Address:		Check Regulatory Program	<input type="checkbox"/>						
City:	Milton-Freewe St	OR Zip:	97862	City:		St:		Zip:		Safe Drinking Water Act	<input type="checkbox"/>
Attn:	Steven Patten	Phone:		P.O.#:		Attn:		Expires	/	Clean Water Act	<input type="checkbox"/>
Phone:	541.938-2170	FAX:		<input type="checkbox"/> Visa	<input type="checkbox"/> M/C	<input type="checkbox"/> A/E		Other		RCRA / CERCLA	<input type="checkbox"/>
Email:	steven.patten@wwbwc.org	Card#:									
Project:	Water Quality/Locher Road										

22730

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually. (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Odor	SM9223B (GROUND WATER)	SM9223B 2b (SURFACE WATER)	Total Phosphorus	TRIP BLANK (8260)	Number of Containers			Special Instructions
1	GL-70		SW	6/9/14	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
2	POSTAGE		SW	6/9/14	12:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
3														
4														
5														
6														
7														
8														
9														
10														
Sampled by: <u>STEVEN PATTEN</u> Phone: <u>541-938-2170</u> FAX: <u>SAME</u> Email: <u>SEE ABOVE</u>											Total Containers			

Sample Receipt Request (Must include FAX or Email)

* W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by STEVEN PATTEN Date 6/9/14 Time 13:45 Received by UPS

Custody seals intact Sample temp _____ C satisfactory Samples received intact

Yes No N/A



Chain of custody & labels agree



June 24, 2014

Vista Project I.D.: 1400416

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on June 10, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Locher Road'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

A handwritten signature in blue ink that reads "Martha Maier" with a stylized flourish at the end.

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400416

Case Narrative

Sample Condition on Receipt:

Four groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected in the Method Blank at 15.9 pg/L. No other analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

Table of Contents

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	28
Certifications.....	29
Sample Receipt.....	30

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400416-01	Intake	09-Jun-14 12:55	10-Jun-14 10:06	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400416-02	GW-70	09-Jun-14 11:10	10-Jun-14 10:06	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400416-03	GW-71	09-Jun-14 11:50	10-Jun-14 10:06	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400416-04	GW-72	09-Jun-14 12:30	10-Jun-14 10:06	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4F0043
Date Extracted: 13-Jun-2014 8:58

Lab Sample: B4F0043-BLK1
Date Analyzed: 18-Jun-14 03:00 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.41			PCB-43/49	1.62			J
PCB-2	ND	1.44			PCB-44	ND	1.94		
PCB-3	ND	1.41			PCB-45	ND	1.88		
PCB-4/10	ND	9.30			PCB-46	ND	2.09		
PCB-5/8	ND	8.09			PCB-47	3.94			J
PCB-6	ND	8.14			PCB-48/75	ND	1.32		
PCB-7/9	ND	8.04			PCB-50	ND	1.68		
PCB-11	15.9				PCB-51	ND	1.56		
PCB-12/13	ND	7.82			PCB-52/69	1.65			J
PCB-14	ND	6.55			PCB-53	ND	1.54		
PCB-15	ND	7.64			PCB-54	ND	1.27		
PCB-16/32	1.82			J	PCB-55	ND	1.13		
PCB-17	ND	1.07			PCB-56/60	ND	1.20		
PCB-18	2.18			J	PCB-57	ND	1.12		
PCB-19	ND	1.01			PCB-58	ND	1.18		
PCB-20/21/33	1.70			J	PCB-61/70	ND	1.20		
PCB-22	ND	0.997			PCB-62	ND	1.33		
PCB-23	ND	0.979			PCB-63	ND	1.14		
PCB-24/27	ND	0.717			PCB-65	ND	1.32		
PCB-25	ND	1.07			PCB-67	ND	1.23		
PCB-26	ND	1.12			PCB-68	1.27			J
PCB-28	2.12			J	PCB-73	ND	1.26		
PCB-29	ND	1.07			PCB-74	0.836			J
PCB-30	ND	0.672			PCB-76/66	ND	1.10		
PCB-31	2.54			J	PCB-77	ND	0.966		
PCB-34	ND	1.09			PCB-78	ND	1.11		
PCB-35	ND	0.928			PCB-79	ND	1.21		
PCB-36	ND	0.912			PCB-80	ND	1.01		
PCB-37	ND	0.990			PCB-81	ND	0.968		
PCB-38	ND	0.870			PCB-82	ND	4.05		
PCB-39	ND	0.879			PCB-83	ND	2.79		
PCB-40	ND	2.27			PCB-84/92	ND	3.84		
PCB-41/64/71/72	1.16			J	PCB-85/116	ND	3.24		
PCB-42/59	ND	1.45			PCB-86	ND	4.30		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4F0043
Date Extracted: 13-Jun-2014 8:58

Lab Sample: B4F0043-BLK1
Date Analyzed: 18-Jun-14 03:00 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	2.82			PCB-133/142	ND	1.45		
PCB-88/91	ND	4.11			PCB-134/143	ND	1.42		
PCB-89	ND	3.95			PCB-135	ND	3.01		
PCB-90/101	ND	2.04			PCB-136	ND	2.14		
PCB-93	ND	2.44			PCB-137	ND	1.27		
PCB-94	ND	4.04			PCB-138/163/164	ND	1.10		
PCB-95/98/102	ND	3.76			PCB-139/149	ND	2.62		
PCB-96	ND	3.29			PCB-140	ND	2.99		
PCB-97	ND	3.47			PCB-141	ND	1.36		
PCB-99	ND	3.20			PCB-144	ND	2.81		
PCB-100	ND	3.55			PCB-145	ND	1.94		
PCB-103	ND	3.81			PCB-146/165	ND	1.11		
PCB-104	ND	2.78			PCB-147	ND	2.74		
PCB-105	ND	1.02			PCB-148	ND	2.72		
PCB-106/118	ND	2.36			PCB-150	ND	1.99		
PCB-107/109	ND	2.35			PCB-151	ND	2.92		
PCB-108/112	ND	3.36			PCB-152	ND	1.95		
PCB-110	ND	2.63			PCB-153	ND	1.12		
PCB-111/115	ND	2.50			PCB-154	ND	2.53		
PCB-113	ND	2.81			PCB-155	ND	1.86		
PCB-114	ND	1.08			PCB-156	ND	0.869		
PCB-119	ND	2.49			PCB-157	ND	0.928		
PCB-120	ND	2.44			PCB-158/160	ND	1.06		
PCB-121	ND	2.71			PCB-159	ND	1.00		
PCB-122	ND	1.21			PCB-166	ND	0.974		
PCB-123	ND	2.52			PCB-167	ND	0.890		
PCB-124	ND	2.25			PCB-168	ND	0.976		
PCB-126	ND	1.13			PCB-169	ND	0.776		
PCB-127	ND	1.08			PCB-170	ND	0.861		
PCB-128/162	ND	1.11			PCB-171	ND	0.984		
PCB-129	ND	1.57			PCB-172	ND	1.10		
PCB-130	ND	1.48			PCB-173	ND	1.17		
PCB-131	ND	1.51			PCB-174	ND	0.978		
PCB-132/161	ND	1.17			PCB-175	ND	1.39		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4F0043
Date Extracted: 13-Jun-2014 8:58Lab Sample: B4F0043-BLK1
Date Analyzed: 18-Jun-14 03:00 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	1.01			Total triCB	10.4			
PCB-177	ND	1.06			Total tetraCB	10.5			
PCB-178	ND	1.48			Total pentaCB	ND	4.30		
PCB-179	ND	1.05			Total hexaCB	ND	3.01		
PCB-180	ND	0.962			Total heptaCB	ND	1.48		
PCB-181	ND	0.950			Total octaCB	ND	2.66		
PCB-182/187	ND	1.29			Total nonaCB	ND	0.897		
PCB-183	ND	1.26			DecaCB	ND	0.771		
PCB-184	ND	1.09			Total PCB	36.8			
PCB-185	ND	0.981							
PCB-186	ND	1.02							
PCB-188	ND	0.934							
PCB-189	ND	0.467							
PCB-190	ND	0.615							
PCB-191	ND	0.803							
PCB-192	ND	0.840							
PCB-193	ND	0.783							
PCB-194	ND	0.670							
PCB-195	ND	0.672							
PCB-196/203	ND	2.37							
PCB-197	ND	1.85							
PCB-198	ND	2.66							
PCB-199	ND	2.47							
PCB-200	ND	1.92							
PCB-201	ND	1.81							
PCB-202	ND	1.84							
PCB-204	ND	1.95							
PCB-205	ND	0.557							
PCB-206	ND	0.897							
PCB-207	ND	0.506							
PCB-208	ND	0.488							
PCB-209	ND	0.771							
Total monoCB	ND	1.44							
Total diCB	15.9								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4F0043
Date Extracted: 13-Jun-2014 8:58

Lab Sample: B4F0043-BLK1
Date Analyzed: 18-Jun-14 03:00 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.9	5- 145		13C-PCB-157	106	10- 145	
13C-PCB-3	82.1	5- 145		13C-PCB-159	96.1	10- 145	
13C-PCB-4	68.3	5- 145		13C-PCB-167	101	10- 145	
13C-PCB-11	80.5	5- 145		13C-PCB-169	133	10- 145	
13C-PCB-9	67.1	5- 145		13C-PCB-170	84.2	10- 145	
13C-PCB-19	78.0	5- 145		13C-PCB-180	75.2	10- 145	
13C-PCB-28	80.2	5- 145		13C-PCB-188	56.1	10- 145	
13C-PCB-32	75.4	5- 145		13C-PCB-189	97.8	10- 145	
13C-PCB-37	104	5- 145		13C-PCB-194	87.3	10- 145	
13C-PCB-47	74.7	5- 145		13C-PCB-202	41.7	10- 145	
13C-PCB-52	76.2	5- 145		13C-PCB-206	69.1	10- 145	
13C-PCB-54	70.5	5- 145		13C-PCB-208	66.9	10- 145	
13C-PCB-70	87.6	5- 145		13C-PCB-209	50.7	10- 145	
13C-PCB-77	113	10- 145		CRS 13C-PCB-79	108	10- 145	
13C-PCB-80	87.8	10- 145		13C-PCB-178	75.0	10- 145	
13C-PCB-81	105	10- 145					
13C-PCB-95	84.2	10- 145					
13C-PCB-97	92.8	10- 145					
13C-PCB-101	91.0	10- 145					
13C-PCB-104	79.9	10- 145					
13C-PCB-105	104	10- 145					
13C-PCB-114	96.2	10- 145					
13C-PCB-118	103	10- 145					
13C-PCB-123	108	10- 145					
13C-PCB-126	118	10- 145					
13C-PCB-127	110	10- 145					
13C-PCB-138	89.0	10- 145					
13C-PCB-141	88.6	10- 145					
13C-PCB-153	87.3	10- 145					
13C-PCB-155	47.6	10- 145					
13C-PCB-156	104	10- 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4F0043
Date Extracted: 13-Jun-2014 8:58

Lab Sample: B4F0043-BS1
Date Analyzed: 19-Jun-14 13:51 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	835	1000	83.5	60 - 135	IS 13C-PCB-1	85.4	15 - 145
PCB-3	844	1000	84.4	60 - 135	IS 13C-PCB-3	89.2	15 - 145
PCB-4/10	4170	4000	104	60 - 135	IS 13C-PCB-4	66.8	15 - 145
PCB-15	2360	2000	118	60 - 135	IS 13C-PCB-11	73.0	15 - 145
PCB-19	1020	1000	102	60 - 135	IS 13C-PCB-9	64.1	15 - 145
PCB-37	1290	1000	129	60 - 135	IS 13C-PCB-19	83.6	15 - 145
PCB-54	1200	1000	120	60 - 135	IS 13C-PCB-28	82.7	15 - 145
PCB-77	1070	1000	107	60 - 135	IS 13C-PCB-32	82.0	15 - 145
PCB-81	1070	1000	107	60 - 135	IS 13C-PCB-37	103	15 - 145
PCB-104	1070	1000	107	60 - 135	IS 13C-PCB-47	67.7	15 - 145
PCB-105	975	1000	97.5	60 - 135	IS 13C-PCB-52	69.6	15 - 145
PCB-106/118	2090	2000	105	60 - 135	IS 13C-PCB-54	64.7	15 - 145
PCB-114	1010	1000	101	60 - 135	IS 13C-PCB-70	80.0	15 - 145
PCB-126	989	1000	98.9	60 - 135	IS 13C-PCB-77	106	40 - 145
PCB-155	1090	1000	109	60 - 135	IS 13C-PCB-80	81.1	40 - 145
PCB-156	953	1000	95.3	60 - 135	IS 13C-PCB-81	98.3	40 - 145
PCB-157	992	1000	99.2	60 - 135	IS 13C-PCB-95	76.1	40 - 145
PCB-167	951	1000	95.1	60 - 135	IS 13C-PCB-97	82.2	40 - 145
PCB-169	959	1000	95.9	60 - 135	IS 13C-PCB-101	81.1	40 - 145
PCB-188	1080	1000	108	60 - 135	IS 13C-PCB-104	67.9	40 - 145
PCB-189	1080	1000	108	60 - 135	IS 13C-PCB-105	92.7	40 - 145
PCB-202	1030	1000	103	60 - 135	IS 13C-PCB-114	88.9	40 - 145
PCB-205	1050	1000	105	60 - 135	IS 13C-PCB-118	89.7	40 - 145
PCB-206	1000	1000	100	60 - 135	IS 13C-PCB-123	94.1	40 - 145
PCB-208	1020	1000	102	60 - 135	IS 13C-PCB-126	107	40 - 145
PCB-209	1030	1000	103	60 - 135	IS 13C-PCB-127	97.1	40 - 145
					IS 13C-PCB-138	86.3	40 - 145
					IS 13C-PCB-141	83.3	40 - 145
					IS 13C-PCB-153	83.7	40 - 145
					IS 13C-PCB-155	56.7	40 - 145
					IS 13C-PCB-156	96.2	40 - 145
					IS 13C-PCB-157	94.7	40 - 145
					IS 13C-PCB-159	88.3	40 - 145
					IS 13C-PCB-167	94.8	40 - 145
					IS 13C-PCB-169	118	40 - 145
					IS 13C-PCB-170	90.2	40 - 145
					IS 13C-PCB-180	85.2	40 - 145
					IS 13C-PCB-188	64.4	40 - 145
					IS 13C-PCB-189	114	40 - 145
					IS 13C-PCB-194	83.5	40 - 145

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4F0043
Date Extracted: 13-Jun-2014 8:58Lab Sample: B4F0043-BS1
Date Analyzed: 19-Jun-14 13:51 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	65.0	40 - 145
					IS 13C-PCB-206	77.3	40 - 145
					IS 13C-PCB-208	69.5	40 - 145
					IS 13C-PCB-209	67.1	40 - 145
					CRS 13C-PCB-79	104	40 - 145
					CRS 13C-PCB-178	85.3	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-01	Date Received:	10-Jun-2014 10:06
Project:	Locher Road	Sample Size:	0.963 L	QC Batch:	B4F0043	Date Extracted:	13-Jun-2014 8:58
Date Collected:	09-Jun-2014 12:55			Date Analyzed :	19-Jun-14 18:07	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	25.5				PCB-44	30.4			
PCB-2	2.03			J	PCB-45	ND		9.85	
PCB-3	12.9				PCB-46	6.14			
PCB-4/10	74.0				PCB-47	6.89			B
PCB-5/8	206				PCB-48/75	5.90			J
PCB-6	36.2				PCB-50	ND	1.07		
PCB-7/9	ND	11.8			PCB-51	2.33			J
PCB-11	24.1			B	PCB-52/69	29.7			B
PCB-12/13	ND	16.0			PCB-53	7.32			
PCB-14	ND	7.98			PCB-54	ND	0.802		
PCB-15	84.1				PCB-55	ND	0.798		
PCB-16/32	95.8			B	PCB-56/60	7.58			J
PCB-17	49.5				PCB-57	ND	0.790		
PCB-18	149			B	PCB-58	ND	0.835		
PCB-19	14.9				PCB-61/70	13.6			
PCB-20/21/33	105			B	PCB-62	ND	0.880		
PCB-22	55.0				PCB-63	ND	0.807		
PCB-23	ND	0.800			PCB-65	ND	0.875		
PCB-24/27	11.5				PCB-67	ND	0.872		
PCB-25	11.5				PCB-68	ND	0.791		
PCB-26	26.4				PCB-73	ND	0.839		
PCB-28	105			B	PCB-74	3.09			J, B
PCB-29	ND	0.875			PCB-76/66	7.64			J
PCB-30	ND	0.649			PCB-77	2.01			J
PCB-31	139			B	PCB-78	ND	0.855		
PCB-34	ND	0.890			PCB-79	ND	0.851		
PCB-35	ND		1.83		PCB-80	ND	0.713		
PCB-36	ND	0.803			PCB-81	ND	0.745		
PCB-37	25.6				PCB-82	ND	2.16		
PCB-38	ND	0.767			PCB-83	ND	1.59		
PCB-39	ND	0.775			PCB-84/92	3.96			J
PCB-40	7.52				PCB-85/116	ND	1.85		
PCB-41/64/71/72	23.7			B	PCB-86	ND	2.46		
PCB-42/59	9.96			J	PCB-87/117/125	2.84			J
PCB-43/49	21.0			B	PCB-88/91	ND	2.26		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-01	Date Received:	10-Jun-2014 10:06
Project:	Locher Road	Sample Size:	0.963 L	QC Batch:	B4F0043	Date Extracted:	13-Jun-2014 8:58
Date Collected:	09-Jun-2014 12:55			Date Analyzed :	19-Jun-14 18:07	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.27			PCB-136	ND	1.58		
PCB-90/101	7.46			J	PCB-137	ND	1.29		
PCB-93	ND	2.20			PCB-138/163/164	4.52			J
PCB-94	ND	2.22			PCB-139/149	4.08			J
PCB-95/98/102	6.24			J	PCB-140	ND	2.20		
PCB-96	ND	1.57			PCB-141	ND	1.39		
PCB-97	ND	1.99			PCB-144	ND	2.07		
PCB-99	3.40			J	PCB-145	ND	1.43		
PCB-100	ND	1.70			PCB-146/165	ND	1.14		
PCB-103	ND	1.82			PCB-147	ND	2.01		
PCB-104	ND	1.33			PCB-148	ND	2.00		
PCB-105	2.01			J	PCB-150	ND	1.47		
PCB-106/118	4.13			J	PCB-151	ND	2.15		
PCB-107/109	ND	1.25			PCB-152	ND	1.43		
PCB-108/112	ND	1.92			PCB-153	3.01			J
PCB-110	6.36				PCB-154	ND	1.86		
PCB-111/115	ND	1.43			PCB-155	ND	1.37		
PCB-113	ND	1.61			PCB-156	ND	0.849		
PCB-114	ND	1.13			PCB-157	ND	0.936		
PCB-119	ND	1.43			PCB-158/160	ND	1.04		
PCB-120	ND	1.40			PCB-159	ND	0.982		
PCB-121	ND	1.49			PCB-166	ND	0.952		
PCB-122	ND	1.25			PCB-167	ND	1.02		
PCB-123	ND	1.35			PCB-168	ND	1.00		
PCB-124	ND	1.20			PCB-169	ND	0.724		
PCB-126	ND	1.21			PCB-170	ND	0.813		
PCB-127	ND	1.19			PCB-171	ND	0.824		
PCB-128/162	ND	1.08			PCB-172	ND	0.920		
PCB-129	ND	1.52			PCB-173	ND	0.982		
PCB-130	ND	1.51			PCB-174	ND	0.818		
PCB-131	ND	1.55			PCB-175	ND	1.16		
PCB-132/161	ND	1.20			PCB-176	ND	0.845		
PCB-133/142	ND	1.48			PCB-177	ND	0.883		
PCB-134/143	ND	1.46			PCB-178	ND	1.23		
PCB-135	ND	2.22			PCB-179	ND	0.874		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-01
Project:	Locher Road	Sample Size:	0.963 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 12:55			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 18:07
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.805			Total octaCB	ND	1.69		
PCB-181	ND	0.795			Total nonaCB	ND	0.861		
PCB-182/187	ND	1.08			DecaCB	1.18			J
PCB-183	ND	1.05			Total PCB	1490			B
PCB-184	ND	0.908							
PCB-185	ND	0.821							
PCB-186	ND	0.849							
PCB-188	ND	0.778							
PCB-189	ND	0.417							
PCB-190	ND	0.581							
PCB-191	ND	0.672							
PCB-192	ND	0.703							
PCB-193	ND	0.655							
PCB-194	ND	0.731							
PCB-195	ND	0.733							
PCB-196/203	ND	1.51							
PCB-197	ND	1.18							
PCB-198	ND	1.69							
PCB-199	ND	1.57							
PCB-200	ND	1.22							
PCB-201	ND	1.15							
PCB-202	ND	1.17							
PCB-204	ND	1.24							
PCB-205	ND	0.608							
PCB-206	ND	0.861							
PCB-207	ND	0.571							
PCB-208	ND	0.551							
PCB-209	1.18			J					
Total monoCB	40.4								
Total diCB	425			B					
Total triCB	787		789	B					
Total tetraCB	185		195	B					
Total pentaCB	36.4								
Total hexaCB	11.6								
Total heptaCB	ND	1.23							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-01
Project:	Locher Road	Sample Size:	0.963 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 12:55			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 18:07
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	87.3	5 -145		13C-PCB-170	99.3	10 -145	
13C-PCB-3	90.5	5 -145		13C-PCB-180	88.3	10 -145	
13C-PCB-4	66.8	5 -145		13C-PCB-188	68.9	10 -145	
13C-PCB-11	75.8	5 -145		13C-PCB-189	119	10 -145	
13C-PCB-9	65.4	5 -145		13C-PCB-194	83.2	10 -145	
13C-PCB-19	87.6	5 -145		13C-PCB-202	71.9	10 -145	
13C-PCB-28	82.8	5 -145		13C-PCB-206	77.4	10 -145	
13C-PCB-32	86.0	5 -145		13C-PCB-208	68.5	10 -145	
13C-PCB-37	99.0	5 -145		13C-PCB-209	68.6	10 -145	
13C-PCB-47	81.0	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	82.3	5 -145		13C-PCB-178	89.6	10 -145	
13C-PCB-54	75.4	5 -145					
13C-PCB-70	85.2	5 -145					
13C-PCB-77	104	10 -145					
13C-PCB-80	84.5	10 -145					
13C-PCB-81	95.6	10 -145					
13C-PCB-95	79.7	10 -145					
13C-PCB-97	84.8	10 -145					
13C-PCB-101	83.9	10 -145					
13C-PCB-104	82.3	10 -145					
13C-PCB-105	83.3	10 -145					
13C-PCB-114	80.6	10 -145					
13C-PCB-118	97.7	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	101	10 -145					
13C-PCB-127	90.0	10 -145					
13C-PCB-138	82.4	10 -145					
13C-PCB-141	80.1	10 -145					
13C-PCB-153	79.2	10 -145					
13C-PCB-155	72.0	10 -145					
13C-PCB-156	94.9	10 -145					
13C-PCB-157	95.4	10 -145					
13C-PCB-159	89.2	10 -145					
13C-PCB-167	92.2	10 -145					
13C-PCB-169	127	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-02
Project:	Locher Road	Sample Size:	0.954 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:10			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 19:11 Column: ZB-1 Analyst: DMS
Date Extracted:					13-Jun-2014 8:58

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	25.2				PCB-44	22.5			
PCB-2	ND	2.92			PCB-45	8.21			
PCB-3	10.4				PCB-46	4.53			J
PCB-4/10	71.4				PCB-47	11.2			B
PCB-5/8	169				PCB-48/75	5.40			J
PCB-6	34.5				PCB-50	ND	1.63		
PCB-7/9	ND	16.0			PCB-51	3.51			J
PCB-11	23.0			B	PCB-52/69	19.7			B
PCB-12/13	ND	52.7			PCB-53	5.58			
PCB-14	ND	13.4			PCB-54	ND	1.22		
PCB-15	64.1				PCB-55	ND	1.27		
PCB-16/32	76.1			B	PCB-56/60	4.29			J
PCB-17	40.5				PCB-57	ND	1.22		
PCB-18	117			B	PCB-58	ND	1.29		
PCB-19	12.5				PCB-61/70	ND		7.12	
PCB-20/21/33	77.8			B	PCB-62	ND	1.36		
PCB-22	38.2				PCB-63	ND	1.25		
PCB-23	ND	1.02			PCB-65	ND	1.35		
PCB-24/27	9.01			J	PCB-67	ND	1.35		
PCB-25	8.54				PCB-68	ND	1.22		
PCB-26	19.8				PCB-73	ND	1.23		
PCB-28	76.6			B	PCB-74	1.53			J, B
PCB-29	ND	1.12			PCB-76/66	4.18			J
PCB-30	ND	0.820			PCB-77	ND	1.12		
PCB-31	98.3			B	PCB-78	ND	1.22		
PCB-34	ND	1.14			PCB-79	ND	1.35		
PCB-35	ND	1.12			PCB-80	ND	1.13		
PCB-36	ND	1.10			PCB-81	ND	1.07		
PCB-37	18.2				PCB-82	ND	2.95		
PCB-38	ND	1.05			PCB-83	ND	2.30		
PCB-39	ND	1.06			PCB-84/92	ND	3.18		
PCB-40	4.78			J	PCB-85/116	ND	2.67		
PCB-41/64/71/72	14.6			J, B	PCB-86	ND	3.54		
PCB-42/59	6.63			J	PCB-87/117/125	ND	2.33		
PCB-43/49	12.9			B	PCB-88/91	ND	3.15		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-02
Project:	Locher Road	Sample Size:	0.954 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:10			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 19:11
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.27			PCB-136	ND	2.25		
PCB-90/101	ND		3.45		PCB-137	ND	1.93		
PCB-93	ND	3.07			PCB-138/163/164	ND	1.58		
PCB-94	ND	3.09			PCB-139/149	ND	2.74		
PCB-95/98/102	4.44			J	PCB-140	ND	3.13		
PCB-96	ND	2.27			PCB-141	ND	2.07		
PCB-97	ND	2.86			PCB-144	ND	2.95		
PCB-99	ND	2.65			PCB-145	ND	2.03		
PCB-100	ND	2.45			PCB-146/165	ND	1.63		
PCB-103	ND	2.64			PCB-147	ND	2.87		
PCB-104	ND	1.92			PCB-148	ND	2.85		
PCB-105	ND	1.61			PCB-150	ND	2.09		
PCB-106/118	ND	1.87			PCB-151	ND	3.06		
PCB-107/109	ND	1.71			PCB-152	ND	2.04		
PCB-108/112	ND	2.77			PCB-153	ND	1.65		
PCB-110	ND		2.16		PCB-154	ND	2.65		
PCB-111/115	ND	2.06			PCB-155	ND	1.95		
PCB-113	ND	2.33			PCB-156	ND	1.30		
PCB-114	ND	1.71			PCB-157	ND	1.39		
PCB-119	ND	2.06			PCB-158/160	ND	1.53		
PCB-120	ND	2.01			PCB-159	ND	1.52		
PCB-121	ND	2.08			PCB-166	ND	1.47		
PCB-122	ND	1.90			PCB-167	ND	1.38		
PCB-123	ND	1.84			PCB-168	ND	1.43		
PCB-124	ND	1.64			PCB-169	ND	1.12		
PCB-126	ND	1.65			PCB-170	ND	1.12		
PCB-127	ND	1.66			PCB-171	ND	1.16		
PCB-128/162	ND	1.67			PCB-172	ND	1.30		
PCB-129	ND	2.25			PCB-173	ND	1.38		
PCB-130	ND	2.25			PCB-174	ND	1.15		
PCB-131	ND	2.22			PCB-175	ND	1.55		
PCB-132/161	ND	1.72			PCB-176	ND	1.13		
PCB-133/142	ND	2.12			PCB-177	ND	1.25		
PCB-134/143	ND	2.09			PCB-178	ND	1.64		
PCB-135	ND	3.16			PCB-179	ND	1.16		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-02
Project:	Locher Road	Sample Size:	0.954 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:10			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 19:11
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.14			Total octaCB	ND	2.58		
PCB-181	ND	1.12			Total nonaCB	ND	1.42		
PCB-182/187	ND	1.44			DecaCB	ND	1.00		
PCB-183	ND	1.40			Total PCB	1120			B
PCB-184	ND	1.21							
PCB-185	ND	1.16							
PCB-186	ND	1.13							
PCB-188	ND	1.04							
PCB-189	ND	0.582							
PCB-190	ND	0.799							
PCB-191	ND	0.948							
PCB-192	ND	0.992							
PCB-193	ND	0.924							
PCB-194	ND	1.08							
PCB-195	ND	1.09							
PCB-196/203	ND	2.30							
PCB-197	ND	1.80							
PCB-198	ND	2.58							
PCB-199	ND	2.40							
PCB-200	ND	1.86							
PCB-201	ND	1.76							
PCB-202	ND	1.78							
PCB-204	ND	1.89							
PCB-205	ND	0.899							
PCB-206	ND	1.42							
PCB-207	ND	0.866							
PCB-208	ND	0.835							
PCB-209	ND	1.00							
Total monoCB	35.6								
Total diCB	362			B					
Total triCB	592			B					
Total tetraCB	130		137	B					
Total pentaCB	4.44		10.1						
Total hexaCB	ND	3.16							
Total heptaCB	ND	1.64							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-02
Project:	Locher Road	Sample Size:	0.954 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:10			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 19:11
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	77.1	5 -145		13C-PCB-170	97.2	10 -145	
13C-PCB-3	80.0	5 -145		13C-PCB-180	88.1	10 -145	
13C-PCB-4	60.4	5 -145		13C-PCB-188	68.7	10 -145	
13C-PCB-11	71.4	5 -145		13C-PCB-189	122	10 -145	
13C-PCB-9	60.4	5 -145		13C-PCB-194	75.8	10 -145	
13C-PCB-19	80.9	5 -145		13C-PCB-202	71.4	10 -145	
13C-PCB-28	82.7	5 -145		13C-PCB-206	69.5	10 -145	
13C-PCB-32	79.4	5 -145		13C-PCB-208	61.7	10 -145	
13C-PCB-37	92.8	5 -145		13C-PCB-209	62.0	10 -145	
13C-PCB-47	80.8	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	83.9	5 -145		13C-PCB-178	91.9	10 -145	
13C-PCB-54	75.7	5 -145					
13C-PCB-70	83.8	5 -145					
13C-PCB-77	103	10 -145					
13C-PCB-80	82.1	10 -145					
13C-PCB-81	97.1	10 -145					
13C-PCB-95	77.2	10 -145					
13C-PCB-97	83.6	10 -145					
13C-PCB-101	81.1	10 -145					
13C-PCB-104	79.6	10 -145					
13C-PCB-105	84.7	10 -145					
13C-PCB-114	78.5	10 -145					
13C-PCB-118	97.7	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	89.4	10 -145					
13C-PCB-138	82.6	10 -145					
13C-PCB-141	79.6	10 -145					
13C-PCB-153	79.2	10 -145					
13C-PCB-155	66.9	10 -145					
13C-PCB-156	95.6	10 -145					
13C-PCB-157	94.3	10 -145					
13C-PCB-159	88.4	10 -145					
13C-PCB-167	93.9	10 -145					
13C-PCB-169	121	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-03	Date Received:	10-Jun-2014 10:06
Project:	Locher Road	Sample Size:	0.969 L	QC Batch:	B4F0043	Date Extracted:	13-Jun-2014 8:58
Date Collected:	09-Jun-2014 11:50			Date Analyzed :	19-Jun-14 20:15	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	20.8				PCB-44	18.5			
PCB-2	ND	3.00			PCB-45	6.87			
PCB-3	9.24				PCB-46	ND		2.99	
PCB-4/10	62.2				PCB-47	5.35			B
PCB-5/8	149				PCB-48/75	4.62			J
PCB-6	31.1				PCB-50	ND	1.30		
PCB-7/9	ND	11.8			PCB-51	ND		1.69	
PCB-11	16.3			B	PCB-52/69	17.2			B
PCB-12/13	ND	11.7			PCB-53	5.22			
PCB-14	ND	9.82			PCB-54	ND	0.981		
PCB-15	56.0				PCB-55	ND	1.03		
PCB-16/32	67.6			B	PCB-56/60	3.72			J
PCB-17	34.8				PCB-57	ND	1.04		
PCB-18	101			B	PCB-58	ND	1.10		
PCB-19	10.2				PCB-61/70	7.49			J
PCB-20/21/33	75.1			B	PCB-62	ND	1.04		
PCB-22	37.9				PCB-63	ND	1.06		
PCB-23	ND	0.915			PCB-65	ND	1.03		
PCB-24/27	7.86			J	PCB-67	ND	1.15		
PCB-25	7.48				PCB-68	ND	0.932		
PCB-26	17.9				PCB-73	ND	0.994		
PCB-28	69.1			B	PCB-74	1.47			J, B
PCB-29	ND	1.00			PCB-76/66	3.40			J
PCB-30	ND	0.662			PCB-77	ND		1.03	
PCB-31	95.8			B	PCB-78	ND	1.04		
PCB-34	ND	1.02			PCB-79	ND	1.10		
PCB-35	ND	0.980			PCB-80	ND	0.920		
PCB-36	ND	0.963			PCB-81	ND	0.904		
PCB-37	15.0				PCB-82	ND	2.91		
PCB-38	ND	0.919			PCB-83	ND	1.96		
PCB-39	ND	0.928			PCB-84/92	ND	2.72		
PCB-40	ND		3.68		PCB-85/116	ND	2.28		
PCB-41/64/71/72	12.7			J, B	PCB-86	ND	3.03		
PCB-42/59	ND		5.69		PCB-87/117/125	ND	1.99		
PCB-43/49	12.7			B	PCB-88/91	ND	2.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-03
Project:	Locher Road	Sample Size:	0.969 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:50			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 20:15
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.80			PCB-136	ND	2.00		
PCB-90/101	ND		3.26		PCB-137	ND	1.64		
PCB-93	ND	2.56			PCB-138/163/164	ND	1.33		
PCB-94	ND	2.59			PCB-139/149	ND	2.44		
PCB-95/98/102	ND	2.41			PCB-140	ND	2.79		
PCB-96	ND	2.09			PCB-141	ND	1.76		
PCB-97	ND	2.45			PCB-144	ND	2.63		
PCB-99	ND	2.27			PCB-145	ND	1.81		
PCB-100	ND	2.26			PCB-146/165	ND	1.26		
PCB-103	ND	2.43			PCB-147	ND	2.56		
PCB-104	ND	1.77			PCB-148	ND	2.54		
PCB-105	ND	1.42			PCB-150	ND	1.86		
PCB-106/118	ND		1.24		PCB-151	ND	2.73		
PCB-107/109	ND	1.69			PCB-152	ND	1.82		
PCB-108/112	ND	2.37			PCB-153	ND	1.28		
PCB-110	ND		2.85		PCB-154	ND	2.36		
PCB-111/115	ND	1.76			PCB-155	ND	1.73		
PCB-113	ND	1.99			PCB-156	ND	1.01		
PCB-114	ND	1.38			PCB-157	ND	1.12		
PCB-119	ND	1.76			PCB-158/160	ND	1.28		
PCB-120	ND	1.72			PCB-159	ND	1.23		
PCB-121	ND	1.74			PCB-166	ND	1.19		
PCB-122	ND	1.54			PCB-167	ND	1.07		
PCB-123	ND	1.81			PCB-168	ND	1.11		
PCB-124	ND	1.61			PCB-169	ND	0.934		
PCB-126	ND	1.35			PCB-170	ND	0.887		
PCB-127	ND	1.47			PCB-171	ND	0.971		
PCB-128/162	ND	1.35			PCB-172	ND	1.08		
PCB-129	ND	1.88			PCB-173	ND	1.16		
PCB-130	ND	1.91			PCB-174	ND	0.964		
PCB-131	ND	1.72			PCB-175	ND	1.31		
PCB-132/161	ND	1.33			PCB-176	ND	0.953		
PCB-133/142	ND	1.64			PCB-177	ND	1.04		
PCB-134/143	ND	1.62			PCB-178	ND	1.39		
PCB-135	ND	2.81			PCB-179	ND	0.985		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-03
Project:	Locher Road	Sample Size:	0.969 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:50			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 20:15
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.949			Total octaCB	ND	2.24		
PCB-181	ND	0.937			Total nonaCB	ND	1.26		
PCB-182/187	ND	1.22			DecaCB	ND	1.71		
PCB-183	ND	1.18			Total PCB	984			B
PCB-184	ND	1.02							
PCB-185	ND	0.967							
PCB-186	ND	0.957							
PCB-188	ND	0.877							
PCB-189	ND	0.528							
PCB-190	ND	0.633							
PCB-191	ND	0.791							
PCB-192	ND	0.828							
PCB-193	ND	0.772							
PCB-194	ND	0.849							
PCB-195	ND	0.851							
PCB-196/203	ND	1.99							
PCB-197	ND	1.56							
PCB-198	ND	2.24							
PCB-199	ND	2.08							
PCB-200	ND	1.62							
PCB-201	ND	1.52							
PCB-202	ND	1.55							
PCB-204	ND	1.64							
PCB-205	ND	0.706							
PCB-206	ND	1.26							
PCB-207	ND	0.764							
PCB-208	ND	0.737							
PCB-209	ND	1.71							
Total monoCB	30.0								
Total diCB	315			B					
Total triCB	540			B					
Total tetraCB	99.3		114	B					
Total pentaCB	ND		7.34						
Total hexaCB	ND	2.81							
Total heptaCB	ND	1.39							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-03
Project:	Locher Road	Sample Size:	0.969 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 11:50			QC Batch:	B4F0043
				Date Analyzed :	19-Jun-14 20:15
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	86.8	5 -145		13C-PCB-170	105	10 -145	
13C-PCB-3	89.5	5 -145		13C-PCB-180	95.9	10 -145	
13C-PCB-4	66.1	5 -145		13C-PCB-188	72.0	10 -145	
13C-PCB-11	78.3	5 -145		13C-PCB-189	126	10 -145	
13C-PCB-9	65.4	5 -145		13C-PCB-194	84.8	10 -145	
13C-PCB-19	90.0	5 -145		13C-PCB-202	78.1	10 -145	
13C-PCB-28	81.1	5 -145		13C-PCB-206	77.4	10 -145	
13C-PCB-32	88.5	5 -145		13C-PCB-208	70.0	10 -145	
13C-PCB-37	94.7	5 -145		13C-PCB-209	69.4	10 -145	
13C-PCB-47	86.7	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	90.4	5 -145		13C-PCB-178	90.2	10 -145	
13C-PCB-54	82.7	5 -145					
13C-PCB-70	90.4	5 -145					
13C-PCB-77	112	10 -145					
13C-PCB-80	89.1	10 -145					
13C-PCB-81	105	10 -145					
13C-PCB-95	82.6	10 -145					
13C-PCB-97	90.4	10 -145					
13C-PCB-101	87.3	10 -145					
13C-PCB-104	82.4	10 -145					
13C-PCB-105	87.6	10 -145					
13C-PCB-114	84.0	10 -145					
13C-PCB-118	103	10 -145					
13C-PCB-123	108	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	94.1	10 -145					
13C-PCB-138	86.5	10 -145					
13C-PCB-141	84.6	10 -145					
13C-PCB-153	83.6	10 -145					
13C-PCB-155	72.4	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	100	10 -145					
13C-PCB-159	92.5	10 -145					
13C-PCB-167	98.9	10 -145					
13C-PCB-169	132	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-04	Date Received:	10-Jun-2014 10:06
Project:	Locher Road	Sample Size:	0.969 L	QC Batch:	B4F0043	Date Extracted:	13-Jun-2014 8:58
Date Collected:	09-Jun-2014 12:30			Date Analyzed :	18-Jun-14 08:19	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	21.4				PCB-44	17.6			
PCB-2	ND	2.53			PCB-45	7.58			
PCB-3	10.0				PCB-46	2.85			J
PCB-4/10	56.8				PCB-47	110			B
PCB-5/8	146				PCB-48/75	3.89			J
PCB-6	26.9				PCB-50	ND	1.30		
PCB-7/9	13.7			J	PCB-51	24.3			
PCB-11	16.0			B	PCB-52/69	16.6			B
PCB-12/13	ND	9.56			PCB-53	5.50			
PCB-14	ND	8.62			PCB-54	ND	0.977		
PCB-15	51.6				PCB-55	ND	0.916		
PCB-16/32	71.3			B	PCB-56/60	3.77			J
PCB-17	37.3				PCB-57	ND	0.905		
PCB-18	110			B	PCB-58	ND	0.956		
PCB-19	10.4				PCB-61/70	7.05			J
PCB-20/21/33	63.0			B	PCB-62	ND	1.06		
PCB-22	31.6				PCB-63	ND	0.925		
PCB-23	ND	0.724			PCB-65	ND	1.05		
PCB-24/27	8.02			J	PCB-67	ND	0.999		
PCB-25	6.62				PCB-68	14.1			B
PCB-26	16.4				PCB-73	ND	1.04		
PCB-28	61.1			B	PCB-74	1.54			J, B
PCB-29	ND	0.792			PCB-76/66	3.40			J
PCB-30	ND	0.595			PCB-77	0.972			J
PCB-31	82.3			B	PCB-78	ND	0.959		
PCB-34	ND	0.806			PCB-79	ND	0.977		
PCB-35	ND	0.757			PCB-80	ND	0.819		
PCB-36	ND	0.744			PCB-81	ND	0.835		
PCB-37	13.6				PCB-82	ND	3.68		
PCB-38	2.89			J	PCB-83	ND	2.41		
PCB-39	ND	0.717			PCB-84/92	2.59			J
PCB-40	4.81			J	PCB-85/116	ND	2.80		
PCB-41/64/71/72	13.9			J, B	PCB-86	ND	3.71		
PCB-42/59	5.60			J	PCB-87/117/125	ND	2.44		
PCB-43/49	13.5			B	PCB-88/91	ND	3.25		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-04
Project:	Locher Road	Sample Size:	0.969 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 12:30			QC Batch:	B4F0043
				Date Analyzed :	18-Jun-14 08:19
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.26			PCB-136	ND	1.96		
PCB-90/101	3.61			J	PCB-137	ND	0.989		
PCB-93	ND	3.17			PCB-138/163/164	0.984			J
PCB-94	ND	3.20			PCB-139/149	ND	2.39		
PCB-95/98/102	4.02			J	PCB-140	ND	2.73		
PCB-96	ND	2.63			PCB-141	ND	1.06		
PCB-97	ND	3.00			PCB-144	ND	2.57		
PCB-99	1.55			J	PCB-145	ND	1.77		
PCB-100	ND	2.85			PCB-146/165	ND	0.792		
PCB-103	ND	3.06			PCB-147	ND	2.50		
PCB-104	ND	2.23			PCB-148	ND	2.48		
PCB-105	ND	0.894			PCB-150	ND	1.82		
PCB-106/118	1.85			J	PCB-151	ND	2.67		
PCB-107/109	ND	2.14			PCB-152	ND	1.78		
PCB-108/112	ND	2.90			PCB-153	1.32			J
PCB-110	3.30			J	PCB-154	ND	2.31		
PCB-111/115	ND	2.16			PCB-155	ND	1.70		
PCB-113	ND	2.32			PCB-156	ND	0.682		
PCB-114	ND	0.885			PCB-157	ND	0.719		
PCB-119	ND	2.15			PCB-158/160	ND	0.786		
PCB-120	ND	2.11			PCB-159	ND	0.789		
PCB-121	ND	2.14			PCB-166	ND	0.765		
PCB-122	ND	0.984			PCB-167	ND	0.725		
PCB-123	ND	2.29			PCB-168	ND	0.698		
PCB-124	ND	2.04			PCB-169	ND	0.614		
PCB-126	ND	0.919			PCB-170	ND	0.910		
PCB-127	ND	0.955			PCB-171	ND	0.952		
PCB-128/162	ND	0.868			PCB-172	ND	1.06		
PCB-129	ND	1.16			PCB-173	ND	1.13		
PCB-130	ND	1.15			PCB-174	ND	0.946		
PCB-131	ND	1.08			PCB-175	ND	1.20		
PCB-132/161	ND	0.839			PCB-176	ND	0.873		
PCB-133/142	ND	1.03			PCB-177	ND	1.02		
PCB-134/143	ND	1.02			PCB-178	ND	1.27		
PCB-135	ND	2.75			PCB-179	ND	0.903		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-04
Project:	Locher Road	Sample Size:	0.969 L	Date Received:	10-Jun-2014 10:06
Date Collected:	09-Jun-2014 12:30			QC Batch:	B4F0043
				Date Analyzed :	18-Jun-14 08:19
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.931			Total octaCB	ND	3.16		
PCB-181	ND	0.919			Total nonaCB	ND	0.859		
PCB-182/187	ND	1.11			DecaCB	ND	1.01		
PCB-183	ND	1.08			Total PCB	1130			B
PCB-184	ND	0.938							
PCB-185	ND	0.949							
PCB-186	ND	0.877							
PCB-188	ND	0.804							
PCB-189	ND	0.576							
PCB-190	ND	0.650							
PCB-191	ND	0.776							
PCB-192	ND	0.813							
PCB-193	ND	0.757							
PCB-194	ND	0.550							
PCB-195	ND	0.551							
PCB-196/203	ND	2.82							
PCB-197	ND	2.21							
PCB-198	ND	3.16							
PCB-199	ND	2.94							
PCB-200	ND	2.29							
PCB-201	ND	2.16							
PCB-202	ND	2.19							
PCB-204	ND	2.32							
PCB-205	ND	0.457							
PCB-206	ND	0.859							
PCB-207	ND	0.505							
PCB-208	ND	0.487							
PCB-209	ND	1.01							
Total monoCB	31.4								
Total diCB	311			B					
Total triCB	514			B					
Total tetraCB	257			B					
Total pentaCB	16.9								
Total hexaCB	2.30			J					
Total heptaCB	ND	1.27							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400416

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400416-04	Date Received:	10-Jun-2014 10:06		
Project:	Locher Road	Sample Size:	0.969 L	QC Batch:	B4F0043	Date Extracted:	13-Jun-2014 8:58		
Date Collected:	09-Jun-2014 12:30			Date Analyzed :	18-Jun-14 08:19	Column:	ZB-1	Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	83.0	5 -145		13C-PCB-170	83.5	10 -145	
13C-PCB-3	84.4	5 -145		13C-PCB-180	76.1	10 -145	
13C-PCB-4	73.6	5 -145		13C-PCB-188	60.4	10 -145	
13C-PCB-11	84.5	5 -145		13C-PCB-189	86.0	10 -145	
13C-PCB-9	71.5	5 -145		13C-PCB-194	98.4	10 -145	
13C-PCB-19	83.0	5 -145		13C-PCB-202	40.3	10 -145	
13C-PCB-28	96.7	5 -145		13C-PCB-206	77.2	10 -145	
13C-PCB-32	79.4	5 -145		13C-PCB-208	75.3	10 -145	
13C-PCB-37	113	5 -145		13C-PCB-209	54.3	10 -145	
13C-PCB-47	83.6	5 -145		CRS 13C-PCB-79	107	10 -145	
13C-PCB-52	84.8	5 -145		13C-PCB-178	70.6	10 -145	
13C-PCB-54	79.9	5 -145					
13C-PCB-70	93.5	5 -145					
13C-PCB-77	114	10 -145					
13C-PCB-80	93.1	10 -145					
13C-PCB-81	108	10 -145					
13C-PCB-95	90.8	10 -145					
13C-PCB-97	98.6	10 -145					
13C-PCB-101	96.6	10 -145					
13C-PCB-104	88.0	10 -145					
13C-PCB-105	105	10 -145					
13C-PCB-114	95.3	10 -145					
13C-PCB-118	106	10 -145					
13C-PCB-123	111	10 -145					
13C-PCB-126	120	10 -145					
13C-PCB-127	112	10 -145					
13C-PCB-138	92.6	10 -145					
13C-PCB-141	91.7	10 -145					
13C-PCB-153	91.1	10 -145					
13C-PCB-155	47.7	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	105	10 -145					
13C-PCB-159	98.5	10 -145					
13C-PCB-167	104	10 -145					
13C-PCB-169	132	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	011
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2207
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured Yes No

Laboratory Project ID: 1400416

Storage ID: WR-2

Temp 4.4 °C

TAT: (Check One):
Standard: 21 Days
Rush (surcharge may apply):
 14 days 7 days Specify: _____

Project I.D.: Lochter Road P.O.# _____ Sampler: STEVEN PATEN
(Name)

Invoice to: Name CHIPS SHEETS Company WWBWC Address 810 S. MAIN City MILTON - FREEWAY State OR Zip 97862 Ph# 541-538-2170 Fax#
Relinquished by: (Signature and Printed Name) STEVEN PATEN Date: 6/9/14 Time: 13:45 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) UPS Date: _____ Time: _____ Received by: (Signature and Printed Name) Brittany Smith Date: 6/10/14 Time: 10:10

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106
Method of Shipment: _____
Tracking No.: _____

Container(s)		Add Analysis(es) Requested															
Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29

ATTN: _____

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29
<u>INTAKE</u>	<u>6/9/14</u>	<u>12:55</u>	<u>Lochter Rd</u>	<u>2</u>	<u>A</u>	<u>AQ</u>							<u>X</u>					
<u>GW-70</u>	<u>6/9/14</u>	<u>11:10</u>	<u>Lochter Rd</u>	<u>2</u>	<u>A</u>	<u>AQ</u>							<u>X</u>					
<u>GW-71</u>	<u>6/9/14</u>	<u>11:50</u>	<u>Lochter Rd</u>	<u>2</u>	<u>A</u>	<u>AQ</u>							<u>X</u>					
<u>GW-72</u>	<u>6/9/14</u>	<u>12:30</u>	<u>Lochter Rd</u>	<u>2</u>	<u>A</u>	<u>AQ</u>							<u>X</u>					

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATEN
Company: WWBWC
Address: 810 S MAIN
City: MILTON FREEWAY State: OR Zip: 97862
Phone: 541-938-2170 Fax: _____
Email: Steven.paten@wwbwc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other _____

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate,
O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400416 TAT std

Samples Arrival:	Date/Time <u>6/10/14 1006</u>	Initials: <u>BMS</u>	Location: <u>WR-2</u> Shelf/Rack: <u>NA</u>			
Logged In:	Date/Time <u>06/11/14 0913</u>	Initials: <u>UPB</u>	Location: <u>WR-2</u> Shelf/Rack: <u>C5</u>			
Delivered By:	FedEx	<u>UPS</u>	On Trac	DHL	Hand Delivered	Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice	None		
Temp °C:	<u>4.4</u> (uncorrected)	Time: <u>1009</u>	Thermometer ID: IR-1			
Temp °C:	<u>4.4</u> (corrected)					

	YES	NO	NA		
Adequate Sample Volume Received?	✓				
Holding Time Acceptable?	✓				
Shipping Container(s) Intact?	✓				
Shipping Custody Seals Intact?	✓				
Shipping Documentation Present?	✓				
Airbill	Trk # <u>1Z62E3F70162006625</u>				
Sample Container Intact?	✓				
Sample Custody Seals Intact?	✓				
Chain of Custody / Sample Documentation Present?	✓				
COC Anomaly/Sample Acceptance Form completed?		✓			
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓		
Na ₂ S ₂ O ₃ Preservation Documented?	COC	Sample Container	<u>None</u>		
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>	Return	Dispose

Comments:

STILLER POND - WY2014



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503.682.7802

March 28, 2014

Page 1 of 1

Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-03214 - Soil Sampling

Dear Steven Patten,

Your project: Soil Sampling, was received on Tuesday February 25, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody



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March 28, 2014

Page 1 of 1

Case Narrative

Reference: **14-03214**

Lab Sample ID	Sample Information	
7932	Soil #4 - Soil #4	
Analytical Method	Notes	Created by
8081A	Sample had high surrogate recovery of DCBP and low recovery for TCMX. Possible matrix effect causing the surrogate recoveries outside acceptance limits. There were no sample detections and although surrogate recoveries were outside acceptance limits there would be adequate sensitivity to detect target compounds at the PQL.	ERM



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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07938
Field ID: Soil #10
Sample Description: Soil #10
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	0.0080		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07937
Field ID: Soil #9
Sample Description: Soil #9
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07936
Field ID: Soil #8
Sample Description: Soil #8
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	0.0092		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07935
Field ID: Soil #7
Sample Description: Soil #7
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07934
Field ID: Soil #6
Sample Description: Soil #6
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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D.F. - Dilution Factor.

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07933
Field ID: Soil #5
Sample Description: Soil #5
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07932
Field ID: Soil #4
Sample Description: Soil #4
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07931
Field ID: Soil #3
Sample Description: Soil #3
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07930
Field ID: Soil #2
Sample Description: Soil #2
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Lab Number: 07929
Field ID: Soil #1
Sample Description: Soil #1
Matrix: Soil
Sample Date: 2/24/14
Extraction Date: 2/26/14
Extraction Method: 3540C

Report Date: 3/27/14
Date Analyzed: 3/20/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081S_140226

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	
53494-70-1	ENDRIN KETONE	ND		mg/Kg	0.0004	0.0004		1.00	
76-44-8	HEPTACHLOR	ND		mg/Kg	0.0004	0.0004		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	
72-43-5	METHOXYCHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03214**
Project: Soil Sampling

Report Date: 3/28/14
Date Received: 2/25/14
Reviewed by:

Sample Description: Soil #1										Sample Date: 2/24/14			
Lab Number: 7929		Sample Comment:								Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	9.2	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	949	66.2	66.2		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #2										Sample Date: 2/24/14			
Lab Number: 7930		Sample Comment:								Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	0.8	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	815	74.9	74.9		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #3										Sample Date: 2/24/14			
Lab Number: 7931		Sample Comment:								Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	3.3	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	764	74.3	74.3		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #4										Sample Date: 2/24/14			
Lab Number: 7932		Sample Comment:								Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	2.4	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	597	70.6	70.6		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #5										Sample Date: 2/24/14			
Lab Number: 7933		Sample Comment:								Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	3.7	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	747	61.4	61.4		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
RL = Reporting Limit.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: Soil #6										Sample Date: 2/24/14		
Lab Number: 7934		Sample Comment:							Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	21.3	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	702	72.3	72.3		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #7										Sample Date: 2/24/14		
Lab Number: 7935		Sample Comment:							Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	4.1	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	763	78.8	78.8		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #8										Sample Date: 2/24/14		
Lab Number: 7936		Sample Comment:							Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	5.6	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	979	76.9	76.9		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #9										Sample Date: 2/24/14		
Lab Number: 7937		Sample Comment:							Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	9.6	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	832	72.4	72.4		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Sample Description: Soil #10										Sample Date: 2/24/14		
Lab Number: 7938		Sample Comment:							Collected By: Tara Patten			
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	37.3	0.1	0.1	0.0039	mg/Kg	1.00	SM4500-NO3 F	2/27/14	DN	SOILTEST_14022	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	1030	65.8	65.8		mg/Kg	10.00	6010B/3051	3/6/14	BJ	6010B-140306A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. = Dilution Factor



Burlington WA
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Microbiology

Portland OR
Microbiology/Chemistry

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805 Orchard Dr Ste 4 - 98225
360.671.0688

9150 SW Pioneer Ct Ste W- 97070
503.682.7802



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03214

Report Date: 03/28/14

Batch	Analyte	Result	True			Method	%		QC	
			Value	Units			Recovery	Limits*	Qualifier	Type*
8081S_140226	4,4' - DDD	0.115	0.10	mg/Kg	8081A	115	31-141		LFB	
	4,4' - DDE	0.118	0.10	mg/Kg	8081A	118	30-145			
	4,4' - DDT	0.118	0.10	mg/Kg	8081A	118	25-160			
	ALDRIN	0.103	0.10	mg/Kg	8081A	103	42-128			
	ALPHA-CHLORDANE	0.119	0.10	mg/Kg	8081A	119	60-140			
	BHC, ALPHA -	0.097	0.10	mg/Kg	8081A	97	37-134			
	BHC, BETA -	0.106	0.10	mg/Kg	8081A	106	17-147			
	BHC, DELTA -	0.084	0.10	mg/Kg	8081A	84	32-127			
	DIELDRIN	0.112	0.10	mg/Kg	8081A	112	57-126			
	ENDOSULFAN I	0.114	0.10	mg/Kg	8081A	114	67-133			
	ENDOSULFAN II	0.126	0.10	mg/Kg	8081A	126	42-146			
	ENDOSULFAN SULFATE	0.098	0.10	mg/Kg	8081A	98	20-172			
	ENDRIN	0.116	0.10	mg/Kg	8081A	116	30-147			
	ENDRIN ALDEHYDE	0.111	0.10	mg/Kg	8081A	111	78-110			
	ENDRIN KETONE	0.126	0.10	mg/Kg	8081A	126	60-140			
	GAMMA-CHLORDANE	0.104	0.10	mg/Kg	8081A	104	60-140			
	HEPTACHLOR	0.109	0.10	mg/Kg	8081A	109	34-111			
	HEPTACHLOR EPOXIDE "B"	0.106	0.10	mg/Kg	8081A	106	37-142			
	LINDANE (BHC - GAMMA)	0.097	0.10	mg/Kg	8081A	97	17-140			
	METHOXYCHLOR	0.128	0.10	mg/Kg	8081A	128	41-157			
DECACHLOROBIPHENYL (Surr)	140		%	8081A		35-155				
TETRACHLORO-M-XYLENE (Surr)	94		%	8081A		81-123				

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03214

Report Date: 03/28/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081S_140226	4,4' - DDD	ND		mg/Kg	8081A	0.00800		MB		
	4,4' - DDE	ND		mg/Kg	8081A	0.00800				
	4,4' - DDT	ND		mg/Kg	8081A	0.00800				
	ALDRIN	ND		mg/Kg	8081A	0.00800				
	ALPHA-CHLORDANE	ND		mg/Kg	8081A	0.00800				
	BHC, ALPHA -	ND		mg/Kg	8081A	0.00800				
	BHC, BETA -	ND		mg/Kg	8081A	0.00800				
	BHC, DELTA -	ND		mg/Kg	8081A	0.00800				
	DIELDRIN	ND		mg/Kg	8081A	0.00800				
	ENDOSULFAN I	ND		mg/Kg	8081A	0.00800				
	ENDOSULFAN II	ND		mg/Kg	8081A	0.00800				
	ENDOSULFAN SULFATE	ND		mg/Kg	8081A	0.00800				
	ENDRIN	ND		mg/Kg	8081A	0.00800				
	ENDRIN ALDEHYDE	ND		mg/Kg	8081A	0.00800				
	ENDRIN KETONE	ND		mg/Kg	8081A	0.00800				
	GAMMA-CHLORDANE	ND		mg/Kg	8081A	0.00800				
	HEPTACHLOR	ND		mg/Kg	8081A	0.00800				
	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	8081A	0.00800				
	LINDANE (BHC - GAMMA)	ND		mg/Kg	8081A	0.00800				
	METHOXYCHLOR	ND		mg/Kg	8081A	0.00800				
	TOXAPHENE	ND		ug/L	8081A	0.00800				
	DECACHLOROBIPHENYL (Surr)	129		%	8081A					
	TETRACHLORO-M-XYLENE (Surr)	96		%	8081A					

***Notation:**

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



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**SAMPLE DEPENDENT
 QUALITY CONTROL REPORT**
 Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-03214

Report Date: 3/28/2014

Duplicate

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	
				Result					Qualifier	Type
6010B-140306A										
	7938	TOTAL PHOSPHORUS	1030	969		mg/Kg	6.1	0-20		DUP
8081S_140226										
	7929	DECACHLOROBIPHENYL (Surr)	111	100		%	10.4	0-50		DUP
	7929	TETRACHLORO-M-XYLENE (Surr)	92	91		%	1.1	0-50		DUP
	7933	DECACHLOROBIPHENYL (Surr)	102	108		%	5.7	0-50		DUP
	7933	TETRACHLORO-M-XYLENE (Surr)	NA	NA		%	NA	0-50		DUP
TS_140228										
	7937	TOTAL SOLIDS FOR CALCULATION	71.99	72.18		%	0.3	0-45		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate			Units	Percent Recovery		Limits*	%RPD	Limits*	QC			
				Spike Result	Spike Result	Spike Conc		MS	MSD				Qualifier	Type	Comments	
6010B-140306A	7938	TOTAL PHOSPHORUS	1030	2378	2434	1469	mg/Kg	92	96	70-130	4.1	0-20		LFM		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt



**QUALITY CONTROL REPORT
SURROGATE REPORT**

Reference Number: 14-03214
Report Date: 03/28/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081S_140226 7929	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	111 92		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7930	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	106 86		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7931	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	94 88		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7932	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	160 65	S10 S10	% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7933	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	102 NA		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7934	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	94 ND		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7935	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	99 92		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7936	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	90 ND		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7937	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	94 94		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%
8081S_140226 7938	DECACHLOROBIPHENYL (Surr) TETRACHLORO-M-XYLENE (Surr)	98 93		% %	8081A	Acceptance Limits 35-155% Acceptance Limits 81-123%

***Notation:**

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.
The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-03214

Report Date: 03/28/14

Qualifier	Definition
CV	The end calibration verification was significantly below the acceptance criterion of 80%. Low recovery is a result of this sample's high boiling material residue analyzed prior affecting chromatography. Data if reported, is suspect as biased low.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
S10	Surrogate recovery was outside laboratory and method acceptance limits. See case narrative.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03214**

Date: March 31, 2014

Project: Soil Sampling

Date Received: February 25, 2014

Purchase Order:

Attn:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	7929.00	Soil #1	Soil #1	Pesticides in Soil	\$200.00
2	7929.01	Soil #1	Soil #1	Nitrate-N	\$22.00
3	7929.02	Soil #1	Soil #1	Total Phosphorus	\$25.00
4	7929.03	Soil #1	Soil #1	Total Solids for Calculation	
5	7930.00	Soil #2	Soil #2	Pesticides in Soil	\$200.00
6	7930.01	Soil #2	Soil #2	Nitrate-N	\$22.00
7	7930.02	Soil #2	Soil #2	Total Phosphorus	\$25.00
8	7930.03	Soil #2	Soil #2	Total Solids for Calculation	
9	7931.00	Soil #3	Soil #3	Pesticides in Soil	\$200.00
10	7931.01	Soil #3	Soil #3	Nitrate-N	\$22.00
11	7931.02	Soil #3	Soil #3	Total Phosphorus	\$25.00
12	7931.03	Soil #3	Soil #3	Total Solids for Calculation	
13	7932.00	Soil #4	Soil #4	Pesticides in Soil	\$200.00
14	7932.01	Soil #4	Soil #4	Nitrate-N	\$22.00
15	7932.02	Soil #4	Soil #4	Total Phosphorus	\$25.00
16	7932.03	Soil #4	Soil #4	Total Solids for Calculation	
17	7933.00	Soil #5	Soil #5	Pesticides in Soil	\$200.00
18	7933.01	Soil #5	Soil #5	Nitrate-N	\$22.00
19	7933.02	Soil #5	Soil #5	Total Phosphorus	\$25.00
20	7933.03	Soil #5	Soil #5	Total Solids for Calculation	
21	7934.00	Soil #6	Soil #6	Pesticides in Soil	\$200.00
22	7934.01	Soil #6	Soil #6	Nitrate-N	\$22.00
23	7934.02	Soil #6	Soil #6	Total Phosphorus	\$25.00
24	7934.03	Soil #6	Soil #6	Total Solids for Calculation	
25	7935.00	Soil #7	Soil #7	Pesticides in Soil	\$200.00
26	7935.01	Soil #7	Soil #7	Nitrate-N	\$22.00
27	7935.02	Soil #7	Soil #7	Total Phosphorus	\$25.00
28	7935.03	Soil #7	Soil #7	Total Solids for Calculation	
29	7936.00	Soil #8	Soil #8	Pesticides in Soil	\$200.00

Thank You for Your Business

Please pay to corporate office by April 30, 2014 to avoid a 1.5% per month finance charge.



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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03214**

Date: March 31, 2014

Project: Soil Sampling

Date Received: February 25, 2014

Purchase Order:

Attn:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
30	7936.01	Soil #8	Soil #8	Nitrate-N	\$22.00
31	7936.02	Soil #8	Soil #8	Total Phosphorus	\$25.00
32	7936.03	Soil #8	Soil #8	Total Solids for Calculation	
33	7937.00	Soil #9	Soil #9	Pesticides in Soil	\$200.00
34	7937.01	Soil #9	Soil #9	Nitrate-N	\$22.00
35	7937.02	Soil #9	Soil #9	Total Phosphorus	\$25.00
36	7937.03	Soil #9	Soil #9	Total Solids for Calculation	
37	7938.00	Soil #10	Soil #10	Pesticides in Soil	\$200.00
38	7938.01	Soil #10	Soil #10	Nitrate-N	\$22.00
39	7938.02	Soil #10	Soil #10	Total Phosphorus	\$25.00
40	7938.03	Soil #10	Soil #10	SHIPPING CHARGE	\$24.98
41	7938.04	Soil #10	Soil #10	Total Solids for Calculation	

Grand Total: \$2,494.98

Amount Paid: \$0.00

Amount Due: **\$2,494.98**

Thank You for Your Business

Please pay to corporate office by April 30, 2014 to avoid a 1.5% per month finance charge.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only Ref # 14-03214
Ship Address: 810 S Main Street	Address:	Check Regulatory Program
City: Milton-Freewe St OR Zip: 97862	City: St: Zip:	<input type="checkbox"/> Safe Drinking Water Act
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Clean Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> RCRA / CERCLA
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> Other
Project: Soil Sampling	Card#:	

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)**
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required		Number of Containers		Special Instructions Conditions on Receipt	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)				
<input type="checkbox"/> Quickest (100% surcharge) Phone Call Req.	<input type="checkbox"/> Emergency (Phone Call Req.)				

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A (Chlorinated Pesticides)	Nitrate as N, Total Phosphorus									Total Containers
1	SD1L #1	Grab	S	2-24-14	10:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
2	SD1L #2	Grab	S	2-24-14	10:48	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
3	SD1L #3	Grab	S	2-24-14	10:56	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
4	SD1L #4	Grab	S	2-24-14	11:06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
5	SD1L #5	Grab	S	2-24-14	11:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
6	SD1L #6	Grab	S	2-24-14	11:24	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
7	SD1L #7	Grab	S	2-24-14	11:32	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
8	SD1L #8	Grab	S	2-24-14	11:41	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
9	SD1L #9	Grab	S	2-24-14	11:53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
10	SD1L #10	Grab	S	2-24-14	12:02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									

Sampled by: Tara Patten Phone: _____ FAX: _____

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
<u>STEVEN PATTEN</u>	<u>2/24/14</u>	<u>2:00 PM</u>	<u>[Signature]</u>	<u>2/25/14</u>	<u>0945</u>

Custody seals intact Yes No N/A

Sample temp C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A



COO21810



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March 19, 2014

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-03181 - Water Quality Multiple Locations

Dear Mr. Steven Patten,

Your project: Water Quality Multiple Locations, was received on Tuesday February 25, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



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March 19, 2014

Page 1 of 1

Case Narrative

Reference: **14-03181**

Lab Sample ID	Sample Information
7836	GW-146 - Stiller Pond
Analytical Method 8081A	Notes Bromacil was detected in the analysis and estimated at 0.2 ug/L.
	Created by CO



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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07837
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07836
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

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124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
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108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07835
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

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95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
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594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
107-05-1	ALLYL CHLORIDE	ND		ug/L	2.0	2.0	0.37	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07834
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07837
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07836
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-6	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	4.37		ug/L	0.5	0.1	0.2	5.00	Confirmed by GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07835
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.09	J	ug/L	0.1	0.1	0.04	1.00	Confirmed by GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07834
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.84		ug/L	0.1	0.1	0.04	1.00	Confirmed by GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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 D.F. - Dilution Factor.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07837
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07836
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07835
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locati

Lab Number: 07834
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/24/14
Extraction Date: 3/3/14
Extraction Method: 3535

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03181**
Project: Water Quality Multiple Locations

Report Date: 3/19/14
Date Received: 2/25/14
Reviewed by:

Sample Description: GW-136 - Stiller Pond										Sample Date: 2/24/14		
Lab Number: 7834		Sample Comment:								Collected By: Unknown		
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	0.000008	mg/L	1.00	245.1	2/26/14	EAF	245.1_140226	
NA	BICARBONATE	384	1.00	1.00		mg CaCO3/L	1.00	SM2320 B	2/27/14	SRF	ALK_140227	
NA	CARBONATE	ND	1.00	1.00		mg CaCO3/L	1.00	SM2320 B	2/27/14	SRF	ALK_140227	
16887-00-6	CHLORIDE	40	0.1	0.1	0.01	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
14808-79-8	SULFATE	40	0.2	1	0.015	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
16984-48-8	FLUORIDE	0.11	0.1	0.1	0.006	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	460	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	ND	5	5		Color Units	1.00	SM2120 B	2/25/14	MMH	color_140225	pH:7.09
NA	SURFACTANTS	ND	0.05	0.05	0.025	mg/L	1.00	SM5540 C	3/7/14	MB	AMTEST_140307	Analyzed by Amtest
14797-55-8	NITRATE-N	13	0.100	0.100	0.008	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
E-10617	TURBIDITY	1.65	0.10	0.10		NTU	1.00	180.1	2/25/14	EAF	TURB_140225	
NA	CORROSIVITY	-0.29				SI	1.00	SM203	3/10/14	MVP	COR_140310	
E-14506	ALKALINITY	384	1.00	1.00		mg CaCO3/L	1.00	SM2320 B	2/27/14	SRF	ALK_140227	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	460	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.09				pH Units	1.00	SM4500-H+ B	2/25/14	EAF	PH_140225	
E-11734	ODOR	ND	1	1		TON	1.00	SM2150	2/25/14	MMH	ODOR_140225	Temperature: 40.9
7439-89-6	IRON	0.225	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7439-96-5	MANGANESE	0.031	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7440-39-3	BARIUM	0.094	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-43-9	CADMIUM	ND	0.00025	0.00024	9.3E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-47-3	CHROMIUM	0.0004 J	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-50-8	COPPER	0.001 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7439-92-1	LEAD	0.0001 J	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7782-49-2	SELENIUM	0.0007 J	0.002	0.002	3.12E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-22-4	SILVER	ND	0.0002	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-66-6	ZINC	0.001 J	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-70-2	CALCIUM	66.4	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7723-14-0	TOTAL PHOSPHORUS	0.127	0.010	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/3/14	SPL	TPHOS-140303	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: GW-145 - Stiller Pond										Sample Date: 2/24/14		
Lab Number: 7835		Sample Comment:								Collected By: Unknown		
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	0.000008	mg/L	1.00	245.1	2/26/14	EAF	245.1_140226	
NA	BICARBONATE	360	1.00	1.00		mg CaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
16887-00-6	CHLORIDE	36	0.1	0.1	0.01	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
14808-79-8	SULFATE	36	0.2	1	0.015	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
16984-48-8	FLUORIDE	0.13	0.1	0.1	0.006	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	394	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	ND	5	5		Color Units	0.00	SM2120 B	2/25/14	MMH	color_140225	pH:7.11; sample filtered to remove particulates
NA	SURFACTANTS	ND	0.05	0.05	0.025	mg/L	1.00	SM5540 C	3/7/14	MB	AMTEST_140307	Analyzed by Amtest
14797-55-8	NITRATE-N	10	0.100	0.100	0.008	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
E-10617	TURBIDITY	81.0	0.10	0.10		NTU	1.00	180.1	2/25/14	EAF	TURB_140225	
NA	CORROSIVITY	-0.32				SI	1.00	SM203	3/10/14	MVP	COR_140310	
E-14506	ALKALINITY	360	1.00	1.00		mg CaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	394	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.11				pH Units	1.00	SM4500-H+ B	2/25/14	EAF	PH_140225	
E-11734	ODOR	ND	1	1		TON	1.00	SM2150	2/25/14	MMH	ODOR_140225	Temperature: 40.9
7439-89-6	IRON	8.30	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7439-96-5	MANGANESE	0.242	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7440-39-3	BARIUM	0.121	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-43-9	CADMIUM	ND	0.00025	0.00024	9.3E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-47-3	CHROMIUM	0.002	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-50-8	COPPER	0.0055	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7439-92-1	LEAD	0.002	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7782-49-2	SELENIUM	0.0006	0.002	0.002	3.12E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-22-4	SILVER	ND	0.0002	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-66-6	ZINC	0.014	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-70-2	CALCIUM	61.8	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7723-14-0	TOTAL PHOSPHORUS	0.406	0.020	0.020	0.0061	mg/L	2.00	SM4500-P F/SM4500	3/3/14	SPL	TPHOS-140303	

Sample Description: GW-146 - Stiller Pond										Sample Date: 2/24/14		
Lab Number: 7836		Sample Comment:								Collected By: Unknown		
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	0.000008	mg/L	1.00	245.1	2/26/14	EAF	245.1_140226	
NA	BICARBONATE	488	1.00	1.00		mg CaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
16887-00-6	CHLORIDE	47	0.1	0.1	0.01	mg/L	1.00	300.0	2/26/14	SRF	I140225A	

Notes:

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 RL = Reporting Limit.
 D.F. - Dilution Factor

Data Report

14808-79-8	SULFATE	56	0.2	1	0.015	mg/L	1.00	300.0	2/26/14	SRF	I140225A	
16984-48-8	FLUORIDE	0.18	0.1	0.1	0.006	mg/L	1.00	300.0	2/26/14	SRF	I140225A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	560	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	12	5	5		Color Units	1.00	SM2120 B	2/25/14	MMH	color_140225	pH:7.15
NA	SURFACTANTS	ND	0.05	0.05	0.025	mg/L	1.00	SM5540 C	3/7/14	MB	AMTEST_140307	Analyzed by Amtest
14797-55-8	NITRATE-N	18	0.100	0.100	0.008	mg/L	1.00	300.0	2/26/14	SRF	I140225A	
E-10617	TURBIDITY	11.2	0.10	0.10		NTU	1.00	180.1	2/25/14	EAF	TURB_140225	
NA	CORROSIVITY	-0.12				SI	1.00	SM203	3/10/14	MVP	COR_140310	
E-14506	ALKALINITY	488	1.00	1.00		mg CaCO3/L	1.00	SM2320 B	2/27/14	SRF	ALK_140227	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	560	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.15				pH Units	1.00	SM4500-H+ B	2/25/14	EAF	PH_140225	
E-11734	ODOR	ND	1	1		TON	1.00	SM2150	2/25/14	MMH	ODOR_140225	Temperature: 40.9
7439-89-6	IRON	1.10	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7439-96-5	MANGANESE	0.024	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7440-39-3	BARIUM	0.106	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-43-9	CADMIUM	ND	0.00025	0.0002	4.93E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-47-3	CHROMIUM	0.0008 J	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-50-8	COPPER	0.0014 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7439-92-1	LEAD	0.00025	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7782-49-2	SELENIUM	0.00095	0.002	0.002	3.12E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-22-4	SILVER	ND	0.0002	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-66-6	ZINC	0.0027	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW	
7440-70-2	CALCIUM	70.5	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A	
7723-14-0	TOTAL PHOSPHORUS	0.122	0.010	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/3/14	SPL	TPHOS-140303	

Sample Description: GW-147 - Stiller Pond								Sample Date: 2/24/14				
Lab Number: 7837				Sample Comment:				Collected By: Unknown				

CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	0.0000086	mg/L	1.00	245.1	2/26/14	EAF	245.1_140226	
NA	BICARBONATE	140	1.00	1.00		mg CaCO3/L	1.00	SM2320 B	2/27/14	SRF	ALK_140227	
NA	CARBONATE	ND	1.00	1.00		mg CaCO3/L	1.00	SM2320 B	2/27/14	SRF	ALK_140227	
16887-00-6	CHLORIDE	32	0.1	0.1	0.01	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
14808-79-8	SULFATE	23	0.2	1	0.015	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
16984-48-8	FLUORIDE	ND	0.1	0.1	0.006	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	315	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	ND	5	5		Color Units	1.00	SM2120 B	2/25/14	MMH	color_140225	pH:7.13
NA	SURFACTANTS	ND	0.05	0.05	0.025	mg/L	1.00	SM5540 C	3/7/14	MB	AMTEST_140307	Analyzed by Amtest
14797-55-8	NITRATE-N	6	0.100	0.100	0.008	mg/L	1.00	300.0	2/25/14	SRF	I140225A	
E-10617	TURBIDITY	1.12	0.10	0.10		NTU	1.00	180.1	2/25/14	EAF	TURB_140225	
NA	CORROSIVITY	-0.84				SI	1.00	SM203	3/10/14	MVP	COR_140310	

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Data Report

E-14506	ALKALINITY	140	1.00	1.00		mg CaCO ₃ /L	1.00	SM2320 B	2/27/14	SRF	ALK_140227
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	315	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303
E-10139	HYDROGEN ION (pH)	7.13				pH Units	1.00	SM4500-H+ B	2/25/14	EAF	PH_140225
E-11734	ODOR	ND	1	1		TON	1.00	SM2150	2/25/14	MMH	ODOR_140225 Temperature: 37.9
7439-89-6	IRON	0.19	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A
7440-39-3	BARIUM	0.041	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7440-43-9	CADMIUM	ND	0.00025	0.00024	9.3E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7440-47-3	CHROMIUM	ND	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7440-50-8	COPPER	0.0007 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7439-92-1	LEAD	0.00006 J	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7439-96-5	MANGANESE	0.003	0.001	0.001	9.38E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7782-49-2	SELENIUM	0.0007 J	0.002	0.002	3.12E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7440-22-4	SILVER	ND	0.0002	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7440-66-6	ZINC	0.0005 J	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	2/26/14	MVP	200.8_140226WW
7440-70-2	CALCIUM	44.2	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	2/26/14	BJ	200.7-140226A
7723-14-0	TOTAL PHOSPHORUS	0.190	0.010	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/3/14	SPL	TPHOS-140303

Notes:

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 RL = Reporting Limit.
 D.F. - Dilution Factor



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	True				% Recovery		QC		Comment
		Result	Value	Units	Method	Recovery	Limits*	Qualifier Type*		
200.7-140226A	CALCIUM	25.8	26	mg/L	200.7	99	85-115	LFB		
	IRON	0.94	1	mg/L	200.7	94	85-115			
	MANGANESE	0.95	1	mg/L	200.7	95	85-115			
200.8_140226WW	BARIUM	0.0021	0.002	mg/L	200.8	105	85-115	LFB		
	CADMIUM	0.0019	0.002	mg/L	200.8	95	85-115			
	CHROMIUM	0.0018	0.002	mg/L	200.8	90	85-115			
	COPPER	0.00196	0.002	mg/L	200.8	98	85-115			
	LEAD	0.0019	0.002	mg/L	200.8	95	85-115			
	MANGANESE	0.0019	0.002	mg/L	200.8	95	85-115			
	SELENIUM	0.0019	0.002	mg/L	200.8	95	85-115			
	SILVER	0.00209	0.002	mg/L	200.8	105	85-115			
ZINC	0.0023	0.002	mg/L	200.8	115	85-115				
200.8_140226WW	BARIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB		
	CADMIUM	0.037	0.040	mg/L	200.8	93	85-115			
	CHROMIUM	0.037	0.040	mg/L	200.8	93	85-115			
	COPPER	0.040	0.040	mg/L	200.8	100	85-115			
	LEAD	0.038	0.040	mg/L	200.8	95	85-115			
	MANGANESE	0.038	0.040	mg/L	200.8	95	85-115			
	SELENIUM	0.034	0.040	mg/L	200.8	85	85-115			
	SILVER	0.038	0.040	mg/L	200.8	95	85-115			
ZINC	0.035	0.040	mg/L	200.8	88	85-115				
245.1_140226	MERCURY	0.00164	0.00167	mg/L	245.1	98	85-115	LFB		
8081A_140303	4,4' - DDD	0.54	0.5	ug/L	8081A	108	78-132	LFB		
	4,4' - DDE	0.52	0.5	ug/L	8081A	104	73-127			
	4,4' - DDT	0.57	0.5	ug/L	8081A	114	56-158			
	ALDRIN	0.5	0.5	ug/L	8081A	100	68-128			
	ALPHA-CHLORDANE	0.51	0.5	ug/L	8081A	102	70-130			
	BHC, ALPHA -	0.49	0.5	ug/L	8081A	98	37-134			
	BHC, BETA -	0.54	0.5	ug/L	8081A	108	17-147			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8081A_140303	BHC, DELTA -	0.54	0.5	ug/L	8081A	108	32-127	LFB	
	DIELDRIN	0.53	0.5	ug/L	8081A	106	74-134		
	ENDOSULFAN I	0.43	0.5	ug/L	8081A	86	67-133		
	ENDOSULFAN II	0.51	0.5	ug/L	8081A	102	64-142		
	ENDOSULFAN SULFATE	0.54	0.5	ug/L	8081A	108	71-143		
	ENDRIN	0.47	0.5	ug/L	8081A	94	30-147		
	ENDRIN ALDEHYDE	0.36	0.5	ug/L	8081A	72	78-110		
	ENDRIN KETONE	0.52	0.5	ug/L	8081A	104	70-130		
	GAMMA-CHLORDANE	0.52	0.5	ug/L	8081A	104	74-124		
	HEPTACHLOR	0.5	0.5	ug/L	8081A	100	61-133		
	HEPTACHLOR EPOXIDE "B"	0.5	0.5	ug/L	8081A	100	73-127		
	LINDANE (BHC - GAMMA)	0.53	0.5	ug/L	8081A	106	17-140		
	METHOXYCHLOR	0.63	0.5	ug/L	8081A	126	41-157		
	DECACHLOROBIPHENYL (Surr)	139		%	8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	112		%	8081A		67-115		
8151W_140303	PICLORAM	0.82	2.22	ug/L	8151A	37	48-114	LR	LFB
	3,5 - DICHLOROBENZOIC ACID	1.6	2.22	ug/L	8151A	72	70-130		
	BENTAZON	4.04	4.44	ug/L	8151A	91	67-121		
	TOTAL DCPA	1.94	2.22	ug/L	8151A	87	48-168		
	2,4 - D	2.92	4.44	ug/L	8151A	66	60-120		
	2,4 DB	13.4	17.8	ug/L	8151A	75	49-134		
	2,4,5 - TP (SILVEX)	1.82	2.22	ug/L	8151A	82	68-122		
	2,4,5 T	1.75	2.22	ug/L	8151A	79	62-128		
	DALAPON	26	28.9	ug/L	8151A	90	53-142		
	DICAMBA	1.81	2.22	ug/L	8151A	82	66-126		
	DICHLORPROP	4.8	6.66	ug/L	8151A	72	63-123		
	DINOSEB	3.54	4.44	ug/L	8151A	80	73-127		
	MCPA	1.27	2.22	ug/L	8151A	57	49-121		
	MCPP	1.44	2.22	ug/L	8151A	65	48-126		
	PENTACHLOROPHENOL	2.14	2.22	ug/L	8151A	96	69-123		
	ACIFLUORFEN	1.99	2.22	ug/L	8151A	90	65-125		
	TRICLOPYR	1.56	2.22	ug/L	8151A	70	70-130		
2,4 - DCAA (SURR)	77		%	8151A		61-129			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140310	1,1 - DICHLOROETHANE	4.5	4	ug/L	8260B	113	70-130	LFB	
	1,1 - DICHLOROETHYLENE	4.1	4	ug/L	8260B	103	70-130		
	1,1 - DICHLOROPROPENE	4.3	4	ug/L	8260B	108	70-130		
	1,1,1 - TRICHLOROETHANE	4.5	4	ug/L	8260B	113	70-130		
	1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	70-130		
	1,1,2 - TRICHLOROETHANE	3.7	4	ug/L	8260B	93	70-130		
	1,1,2,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	70-130		
	1,2 - DICHLOROBENZENE (ortho)	3.8	4	ug/L	8260B	95	70-130		
	1,2 - DICHLOROETHANE	4.3	4	ug/L	8260B	108	70-130		
	1,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	70-130		
	1,2,3 - TRICHLOROBENZENE	3.9	4	ug/L	8260B	98	70-130		
	1,2,3 - TRICHLOROPROPANE	3.9	4	ug/L	8260B	98	70-130		
	1,2,4 - TRICHLOROBENZENE	3.1	4	ug/L	8260B	78	70-130	LR	
	1,2,4 - TRIMETHYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	1,2-DIBROMO-3-CHLOROPROPANE	3.9	4	ug/L	8260B	98	70-130		
	1,3 - DICHLOROBENZENE (meta)	3.7	4	ug/L	8260B	93	70-130		
	1,3 - DICHLOROPROPANE	3.7	4	ug/L	8260B	93	70-130		
	1,3,5 - TRIMETHYLBENZENE	4.2	4	ug/L	8260B	105	70-130		
	1,4 - DICHLOROBENZENE (para)	3.8	4	ug/L	8260B	95	70-130		
	2,2 - DICHLOROPROPANE	4.6	4	ug/L	8260B	115	70-130		
	BENZENE	4.1	4	ug/L	8260B	103	70-130		
	BROMOBENZENE	3.6	4	ug/L	8260B	90	70-130		
	BROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	70-130		
	BROMODICHLOROMETHANE	4.2	4	ug/L	8260B	105	70-130		
	BROMOFORM	3.6	4	ug/L	8260B	90	70-130		
	BROMOMETHANE	4.1	4	ug/L	8260B	103	70-130		
	CARBON TETRACHLORIDE	4.5	4	ug/L	8260B	113	70-130		
	CHLOROBENZENE	3.7	4	ug/L	8260B	93	70-130		
	CHLOROETHANE	4.3	4	ug/L	8260B	108	70-130		
	CHLOROFORM	4.4	4	ug/L	8260B	110	70-130		
	CHLOROMETHANE	3.9	4	ug/L	8260B	98	70-130		
	CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	70-130		
CIS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	70-130			
DIBROMOCHLOROMETHANE	3.7	4	ug/L	8260B	93	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140310	DIBROMOMETHANE	3.7	4	ug/L	8260B	93	70-130	LFB	
	DICHLORODIFLUOROMETHANE	3.4	4	ug/L	8260B	85	70-130		
	ETHYLBENZENE	4.0	4	ug/L	8260B	100	70-130		
	HEXACHLOROBTADIENE	4.0	4	ug/L	8260B	100	70-130		
	ISOPROPYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	M,P- XYLENE	7.9	8	ug/L	8260B	99	70-130		
	METHYL TERT-BUTYL ETHER	3.8	4	ug/L	8260B	95	70-130		
	METHYLENE CHLORIDE	4.1	4	ug/L	8260B	103	70-130		
	N - BUTYLBENZENE	3.5	4	ug/L	8260B	88	70-130		
	N - PROPYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	NAPHTHALENE	3.7	4	ug/L	8260B	93	70-130		
	O - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	70-130		
	O - XYLENE	3.8	4	ug/L	8260B	95	70-130		
	P - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	70-130		
	P - ISOPROPYLTOLUENE	4.0	4	ug/L	8260B	100	70-130		
	SEC - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	STYRENE	3.5	4	ug/L	8260B	88	70-130		
	TERT - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	TETRACHLOROETHYLENE	3.9	4	ug/L	8260B	98	70-130		
	TOLUENE	4.1	4	ug/L	8260B	103	70-130		
	TRANS - 1,2 - DICHLOROETHENE	4.2	4	ug/L	8260B	105	70-130		
	TRANS - 1,3 - DICHLOROPROPENE	3.8	4	ug/L	8260B	95	70-130		
	TRICHLOROETHENE	4.2	4	ug/L	8260B	105	70-130		
	TRICHLOROFUOROMETHANE	4.8	4	ug/L	8260B	120	70-130	AH	
	VINYL CHLORIDE	4.1	4	ug/L	8260B	103	70-130		
	1,2 - DICHLOROETHANE-d4 (Surr)	117	100	ug/L	8260B	117	70-130		
	1,4 - DIFLUOROBENZENE-d4 (Surr)	99	100	ug/L	8260B	99	70-130		
	4-BROMOFLUOROBENZENE (Surr)	108	100	ug/L	8260B	108	70-130		
	d8-TOLUENE (Surr)	101	100	ug/L	8260B	101			
ALK_140227	ALKALINITY	98.3	100	mg CaCO3/ISM2320 B		98	70-130	LFB	

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081A_140303	4,4' - DDD	0.046	0.05	ug/L	8081A	92	78-132		LFBD	
	4,4' - DDE	0.055	0.05	ug/L	8081A	110	73-127			
	4,4' - DDT	0.045	0.05	ug/L	8081A	90	56-158			
	ALDRIN	0.046	0.05	ug/L	8081A	92	68-128			
	ALPHA-CHLORDANE	0.045	0.05	ug/L	8081A	90	70-130			
	BHC, ALPHA -	0.044	0.05	ug/L	8081A	88	37-134			
	BHC, BETA -	0.04	0.05	ug/L	8081A	80	17-147			
	BHC, DELTA -	0.038	0.05	ug/L	8081A	76	32-127			
	DIELDRIN	0.044	0.05	ug/L	8081A	88	74-134			
	ENDOSULFAN I	0.059	0.05	ug/L	8081A	118	67-133			
	ENDOSULFAN II	0.061	0.05	ug/L	8081A	122	64-142			
	ENDOSULFAN SULFATE	0.057	0.05	ug/L	8081A	114	71-143			
	ENDRIN	0.047	0.05	ug/L	8081A	94	30-147			
	ENDRIN ALDEHYDE	0.052	0.05	ug/L	8081A	104	78-110			
	ENDRIN KETONE	0.056	0.05	ug/L	8081A	112	70-130			
	GAMMA-CHLORDANE	0.052	0.05	ug/L	8081A	104	74-124			
	HEPTACHLOR	0.038	0.05	ug/L	8081A	76	61-133			
	HEPTACHLOR EPOXIDE "B"	0.057	0.05	ug/L	8081A	114	73-127			
	LINDANE (BHC - GAMMA)	0.037	0.05	ug/L	8081A	74	17-140			
	METHOXYCHLOR	0.054	0.05	ug/L	8081A	108	41-157			
	DECACHLOROBIPHENYL (Surr)	115		%	8081A		58-132			
	TETRACHLORO-M-XYLENE (Surr)	95		%	8081A		67-115			

*Notation:

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FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-03181
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140226A	CALCIUM	ND		mg/L	200.7		0.00000		LRB
	IRON	ND		mg/L	200.7		0.02500		
	MANGANESE	ND		mg/L	200.7		0.00250		
200.8_140226WW	BARIUM	ND		mg/L	200.8		0.00050		LRB
	CADMIUM	ND		mg/L	200.8		0.00050		
	CHROMIUM	ND		mg/L	200.8		0.00250		
	COPPER	ND		mg/L	200.8		0.00250		
	LEAD	ND		mg/L	200.8		0.00050		
	MANGANESE	ND		mg/L	200.8		0.00250		
	SELENIUM	ND		mg/L	200.8		0.00250		
	SILVER	ND		mg/L	200.8		0.00050		
ZINC	ND		mg/L	200.8		0.00250			
245.1_140226	MERCURY	ND		mg/L	245.1		0.00010		LRB
ALK_140227	ALKALINITY	ND		mg CaCO3/ISM2320 B			0.00000		LRB
color_140225	COLOR	ND		CU	SM2120 B		5.00000		LRB
I140225A	FLUORIDE	ND		mg/L	300.0		0.01000		LRB
	NITRATE-N	ND		mg/L	300.0		0.10000		
	CHLORIDE	ND		mg/L	300.0		0.10000		
	SULFATE	ND		mg/L	300.0		0.10000		
TPHOS-140303	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.01000		LRB
turb_140225	TURBIDITY	ND		NTU	180.1		0.02000		LRB

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type*	Comment
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*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
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 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140226A	CALCIUM	ND		mg/L	200.7	0.00000		MB		
	IRON	ND		mg/L	200.7	0.02500				
	MANGANESE	ND		mg/L	200.7	0.00250				
200.8_140226WW	BARIUM	ND		mg/L	200.8	0.00050		MB		
	CADMIUM	ND		mg/L	200.8	0.00050				
	CHROMIUM	ND		mg/L	200.8	0.00250				
	COPPER	ND		mg/L	200.8	0.00250				
	LEAD	ND		mg/L	200.8	0.00050				
	MANGANESE	ND		mg/L	200.8	0.00250				
	SELENIUM	ND		mg/L	200.8	0.00250				
	SILVER	ND		mg/L	200.8	0.00050				
	ZINC	ND		mg/L	200.8	0.00250				
8081A_140303	4,4' - DDD	ND		ug/L	8081A	0.02000		MB		
	4,4' - DDE	ND		ug/L	8081A	0.02000				
	4,4' - DDT	ND		ug/L	8081A	0.02000				
	ALDRIN	ND		ug/L	8081A	0.02000				
	ALPHA-CHLORDANE	ND		ug/L	8081A	0.02000				
	BHC, ALPHA -	ND		ug/L	8081A	0.02000				
	BHC, BETA -	ND		ug/L	8081A	0.02000				
	BHC, DELTA -	ND		ug/L	8081A	0.02000				
	DIELDRIN	ND		ug/L	8081A	0.02000				
	ENDOSULFAN I	ND		ug/L	8081A	0.02000				
	ENDOSULFAN II	ND		ug/L	8081A	0.02000				
	ENDOSULFAN SULFATE	ND		ug/L	8081A	0.02000				
	ENDRIN	ND		ug/L	8081A	0.02000				
	ENDRIN ALDEHYDE	ND		ug/L	8081A	0.02000				
	ENDRIN KETONE	ND		ug/L	8081A	0.02000				
	GAMMA-CHLORDANE	ND		ug/L	8081A	0.02000				
	HEPTACHLOR	ND		ug/L	8081A	0.02000				
HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A	0.02000					
LINDANE (BHC - GAMMA)	ND		ug/L	8081A	0.02000					
METHOXYCHLOR	ND		ug/L	8081A	0.02000					

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03181
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081A_140303	TOXAPHENE	ND		ug/L	8081A		0.02000		MB	
	DECACHLOROBIPHENYL (Surr)	117		%	8081A					
	TETRACHLORO-M-XYLENE (Surr)	101		%	8081A					
8151W_140303	PICLORAM	ND		ug/L	8151A		0.07000		MB	
	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	8151A		0.20000			
	BENTAZON	ND		ug/L	8151A		0.20000			
	TOTAL DCPA	ND		ug/L	8151A		0.03000			
	2,4 - D	ND		ug/L	8151A		0.03000			
	2,4 DB	ND		ug/L	8151A		0.30000			
	2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0.03000			
	2,4,5 T	ND		ug/L	8151A		0.03000			
	DALAPON	ND		ug/L	8151A		0.40000			
	DICAMBA	ND		ug/L	8151A		0.03000			
	DICHLORPROP	ND		ug/L	8151A		0.03000			
	DINOSEB	ND		ug/L	8151A		0.03000			
	MCPA	ND		ug/L	8151A		0.03000			
	MCPP	ND		ug/L	8151A		0.03000			
	PENTACHLOROPHENOL	ND		ug/L	8151A		0.03000			
	ACIFLUORFEN	ND		ug/L	8151A		0.03000			
	TRICLOPYR	ND		ug/L	8151A		0.03000			
2,4 - DCAA (SURR)	84		%	8151A		0.00000				
8260W_140310	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0.12000		MB	TB 14-03181
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0.12000			TB 14-03181
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-03181
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000			TB 14-03181

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8260W_140310	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B	0.12000	MB			TB 14-03181
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0.12000				TB 14-03181
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B	0.12000				TB 14-03181
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000				TB 14-03181
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B	0.12000				TB 14-03181
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000				TB 14-03181
	BENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	BROMOBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	BROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	BROMODICHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	BROMOFORM	ND		ug/L	8260B	0.12000				TB 14-03181
	BROMOMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	CARBON TETRACHLORIDE	ND		ug/L	8260B	0.12000				TB 14-03181
	CHLOROBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	CHLOROETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	CHLOROFORM	ND		ug/L	8260B	0.12000				TB 14-03181
	CHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000				TB 14-03181
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000				TB 14-03181
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	DIBROMOMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-03181
	ETHYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	HEXACHLOROBTADIENE	ND		ug/L	8260B	0.12000				TB 14-03181
	ISOPROPYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	M,P- XYLENE	ND		ug/L	8260B	0.12000				TB 14-03181
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0.25000				TB 14-03181
	METHYLENE CHLORIDE	ND		ug/L	8260B	0.50000				TB 14-03181
	N - BUTYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	N - PROPYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-03181
	NAPHTHALENE	ND		ug/L	8260B	0.12000				TB 14-03181
	O - CHLOROTOLUENE	ND		ug/L	8260B	0.12000				TB 14-03181
	O - XYLENE	ND		ug/L	8260B	0.12000				TB 14-03181

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03181

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8260W_140310	P - CHLOROTOLUENE	ND		ug/L	8260B	0.12000	0.12000	MB	TB 14-03181	
	P - ISOPROPYL TOLUENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	SEC - BUTYLBENZENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	STYRENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TERT - BUTYLBENZENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TETRACHLOROETHYLENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TOLUENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRICHLOROETHENE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	VINYL CHLORIDE	ND		ug/L	8260B	0.12000	0.12000		TB 14-03181	
	1,2 - DICHLOROETHANE-d4 (Surr)	116		%	8260B				TB 14-03181	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	99		%	8260B				TB 14-03181	
4-BROMOFLUOROBENZENE (Surr)	103		%	8260B				TB 14-03181		
d8-TOLUENE (Surr)	101		%	8260B				TB 14-03181		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000			
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000			
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000			
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000	2.50000			
TPHOS-140303	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0.02000		MB		

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-03181
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140226A	IRON	0.96	1	mg/L	200.7	96	85-115	QCS	
	MANGANESE	0.96	1	mg/L	200.7	96	85-115		
200.7-140226A	CALCIUM	19.7	20	mg/L	200.7	99	85-115	QCS	
200.8_140226WW	BARIUM	0.041	0.040	mg/L	200.8	103	85-115	QCS	
	CADMIUM	0.040	0.040	mg/L	200.8	100	85-115		
	CHROMIUM	0.037	0.040	mg/L	200.8	93	85-115		
	COPPER	0.041	0.040	mg/L	200.8	103	85-115		
	LEAD	0.038	0.040	mg/L	200.8	95	85-115		
	MANGANESE	0.038	0.040	mg/L	200.8	95	85-115		
	SELENIUM	0.040	0.040	mg/L	200.8	100	85-115		
	SILVER	0.038	0.040	mg/L	200.8	95	85-115		
ZINC	0.040	0.040	mg/L	200.8	100	85-115			
245.1_140226	MERCURY	0.00188	0.00200	mg/L	245.1	94	85-115	QCS	
8081A_140303	4,4' - DDD	0.26	0.24	ug/L	8081A	108	78-132	QCS	
	4,4' - DDE	0.26	0.27	ug/L	8081A	96	73-127		
	4,4' - DDT	0.22	0.21	ug/L	8081A	105	56-158		
	ALDRIN	1.36	1.32	ug/L	8081A	103	68-128		
	ALPHA-CHLORDANE	0.58	0.73	ug/L	8081A	79	70-130		
	BHC, ALPHA -	0.88	0.88	ug/L	8081A	100	37-134		
	BHC, BETA -	0.34	0.34	ug/L	8081A	100	17-147		
	BHC, DELTA -	0.38	0.36	ug/L	8081A	106	32-127		
	DIELDRIN	1.35	1.25	ug/L	8081A	108	74-134		
	ENDOSULFAN I	1.19	1.02	ug/L	8081A	117	67-133		
	ENDOSULFAN II	1.44	1.12	ug/L	8081A	129	64-142		
	ENDOSULFAN SULFATE	1.55	1.5	ug/L	8081A	103	71-143		
	ENDRIN	0.29	0.27	ug/L	8081A	107	30-147		
	ENDRIN ALDEHYDE	0.28	1	ug/L	8081A	28	78-110	EC	
	ENDRIN KETONE	0.99	0.84	ug/L	8081A	118	70-130		
GAMMA-CHLORDANE	0.26	0.23	ug/L	8081A	113	74-124			

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-03181
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8081A_140303	HEPTACHLOR	0.6	0.58	ug/L	8081A	103	61-133	QCS	
	HEPTACHLOR EPOXIDE "B"	0.48	0.38	ug/L	8081A	126	73-127		
	LINDANE (BHC - GAMMA)	1.04	1	ug/L	8081A	104	17-140		
	METHOXYCHLOR	0.87	0.69	ug/L	8081A	126	41-157		
	DECACHLOROBIPHENYL (Surr)	115		%	8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	93		%	8081A		67-115		
ALK_140227	ALKALINITY	142	134	mg CaCO3/ISM2320 B		106	70-130	QCS	
color_140225	COLOR	10	10	CU	SM2120 B	100	80-120	QCS	
I140225A	FLUORIDE	2.30	2.5	mg/L	300.0	92	90-110	QCS	
	NITRATE-N	2.47	2.5	mg/L	300.0	99	80-120		
	CHLORIDE	29	30	mg/L	300.0	97	80-120		
	SULFATE	30	30	mg/L	300.0	100	80-120		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	80-120		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120		
TPHOS-140303	TOTAL PHOSPHORUS	0.106	0.105	mg/L	SM4500-P F	101	70-130	QCS	
turb_140225	TURBIDITY	1.00	1.00	NTU	180.1	100	70-130	QCS	

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FORM: QC Independent



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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-03181

Report Date: 3/19/2014

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
200.7-140226A										
	7834	MANGANESE	0.031	0.033	mg/L	6.3	0-20			DUP
	7834	IRON	0.225	0.236	mg/L	4.8	0-20			DUP
	7834	CALCIUM	66.4	67.4	mg/L	1.5	0-20			DUP
200.8_140226WW										
	7834	CHROMIUM	0.0004	0.00033	mg/L	19.2	0-20			DUP
	7834	COPPER	0.001	0.0009	mg/L	10.5	0-50			DUP
	7834	ZINC	0.001	0.001	mg/L	0.0	0-50			DUP
	7834	SELENIUM	0.0007	0.00077	mg/L	9.5	0-20			DUP
	7834	BARIUM	0.094	0.095	mg/L	1.1	0-20			DUP
	7834	LEAD	0.0001	0.00008	mg/L	22.2	0-20	IEV		DUP
245.1_140226										
8151w_140303										
	7834	TOTAL DCPA	0.84	0.84	ug/L	0.0	0-35			DUP
	7834	2,4 - DCAA (SURR)	80	72	%	10.5	0-35			DUP
color_140225										
I140225A										
	7834	CHLORIDE	40	40	mg/L	0.0	0-45			DUP
	7834	SULFATE	40	40	mg/L	0.0	0-45			DUP
	7834	FLUORIDE	0.11	0.11	mg/L	0.0	0-20			DUP
	7834	NITRATE-N	13	13	mg/L	0.0	0-45			DUP
	7835	CHLORIDE	36	36	mg/L	0.0	0-45			DUP
	7835	SULFATE	36	37	mg/L	2.7	0-45			DUP
	7835	FLUORIDE	0.13	0.13	mg/L	0.0	0-20			DUP
	7835	NITRATE-N	10	10	mg/L	0.0	0-45			DUP
	7836	CHLORIDE	47	47	mg/L	0.0	0-45			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
	7836	SULFATE	56	56	mg/L	0.0	0-45		DUP	
	7836	FLUORIDE	0.18	0.17	mg/L	5.7	0-20		DUP	
	7836	NITRATE-N	18	18	mg/L	0.0	0-45		DUP	
ODOR_140225										
PH_140225										
	7834	HYDROGEN ION (pH)	7.09	7.06	pH Units	0.4	0-50		DUP	
TDS_140303										
	7834	TOTAL DISSOLVED SOLIDS (TDS)	460	465	mg/L	1.1	0-50		DUP	
	7834	TOTAL DISSOLVED SOLIDS (TDS)	460	465	mg/L	1.1	0-45		DUP	
TURB_140225										
	7837	TURBIDITY	1.12	1.16	NTU	3.5	0-50		DUP	

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FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
200.7-140226A														
	7834	MANGANESE	0.031	0.090	0.050	mg/L	118		70-130	NA	0-50		LFM	
	7834	IRON	0.225	0.288	0.050	mg/L	126		70-130	NA	0-50		LFM	
200.8_140226WW														
	7834	CHROMIUM	0.0004	0.043	0.050	mg/L	85		70-130	NA	0-50		LFM	
	7834	COPPER	0.001	0.045	0.050	mg/L	88		70-130	NA	0-50		LFM	
	7834	ZINC	0.001	0.040	0.050	mg/L	78		70-130	NA	0-50		LFM	
	7834	SELENIUM	0.0007	0.043	0.050	mg/L	85		70-130	NA	0-50		LFM	
	7834	SILVER	ND	0.046	0.050	mg/L	92		70-130	NA	0-50		LFM	
	7834	CADMIUM	ND	0.047	0.050	mg/L	94		70-130	NA	0-50		LFM	
	7834	BARIUM	0.094	0.144	0.050	mg/L	100		70-130	NA	0-50		LFM	
	7834	LEAD	0.0001	0.046	0.050	mg/L	92		70-130	NA	0-50		LFM	
245.1_140226														
	7837	MERCURY	ND	0.00167	0.00167	mg/L	100	100	70-130	0.0	0-50		LFM	
8081A_140303														
	7834	ALDRIN	ND	0.47	0.51	ug/L	94	102	68-128	8.2	0-30		LFM	
	7834	BHC, ALPHA -	ND	0.55	0.5	ug/L	110	100	37-134	9.5	0-30		LFM	
	7834	BHC, BETA -	ND	0.56	0.52	ug/L	112	104	17-147	7.4	0-30		LFM	
	7834	LINDANE (BHC - GAMMA)	ND	0.51	0.51	ug/L	102	102	19-140	0.0	0-30		LFM	
	7834	BHC, DELTA -	ND	0.56	0.53	ug/L	112	106	32-127	5.5	0-30		LFM	
	7834	ALPHA-CHLORDANE	ND	0.52	0.5	ug/L	104	100	70-130	3.9	0-30		LFM	
	7834	GAMMA-CHLORDANE	ND	0.56	0.52	ug/L	112	104	74-124	7.4	0-30		LFM	
	7834	4,4' - DDT	ND	0.65	0.58	ug/L	130	116	56-158	11.4	0-30		LFM	
	7834	4,4' - DDE	ND	0.56	0.51	ug/L	112	102	73-127	9.3	0-30		LFM	
	7834	4,4' - DDD	ND	0.6	0.58	ug/L	120	116	78-132	3.4	0-30		LFM	
	7834	DIELDRIN	ND	0.54	0.54	ug/L	108	108	74-134	0.0	0-30		LFM	
	7834	ENDOSULFAN I	ND	0.54	0.45	ug/L	108	90	67-133	18.2	0-30		LFM	
	7834	ENDOSULFAN II	ND	0.54	0.53	ug/L	108	106	64-142	1.9	0-30		LFM	
	7834	ENDOSULFAN SULFATE	ND	0.58	0.59	ug/L	116	118	71-143	1.7	0-30		LFM	
	7834	ENDRIN	ND	0.62	0.57	ug/L	124	114	30-147	8.4	0-30		LFM	
	7834	ENDRIN ALDEHYDE	ND	0.47	0.4	ug/L	94	80	78-110	16.1	0-30		LFM	
	7834	ENDRIN KETONE	ND	0.54	0.49	ug/L	108	98	70-130	9.7	0-30		LFM	
	7834	HEPTACHLOR	ND	0.51	0.55	ug/L	102	110	61-133	7.5	0-30		LFM	
	7834	HEPTACHLOR EPOXIDE "B"	ND	0.54	0.5	ug/L	108	100	73-127	7.7	0-30		LFM	
	7834	METHOXYCHLOR	ND	0.75	0.69	ug/L	150	138	41-157	8.3	0-30	HQ	LFM	

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FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments	
				Spike Result	Spike Conc			MS	MSD				Qualifier	Type		
	7834	DECACHLOROBIPHENYL (Surr)	109	119	129	%		NA	NA	58-132	NA	0-30			LFM	
	7834	TETRACHLORO-M-XYLENE (Surr)	97	99	107	%		NA	NA	67-115	NA	0-30			LFM	
8260W_140310																
	7834	1,2-DIBROMO-3-CHLOROPROPANE	ND	3.5	4	ug/L	88	NA	NA	70-130	NA	0-60			LFM	
	7834	TRANS - 1,2 - DICHLOROETHENE	ND	3.9	4	ug/L	98	NA	NA	70-130	NA	0-60			LFM	
	7834	1,1 - DICHLOROETHANE	ND	4.2	4	ug/L	105	NA	NA	70-130	NA	0-60			LFM	
	7834	2,2 - DICHLOROPROPANE	ND	4.1	4	ug/L	103	NA	NA	70-130	NA	0-60			LFM	
	7834	CIS - 1,2 - DICHLOROETHENE	ND	3.8	4	ug/L	95	NA	NA	70-130	NA	0-60			LFM	
	7834	BROMOCHLOROMETHANE	ND	3.7	4	ug/L	93	NA	NA	70-130	NA	0-60			LFM	
	7834	CHLOROFORM	ND	4.2	4	ug/L	105	NA	NA	70-130	NA	0-60			LFM	
	7834	1,1,1 - TRICHLOROETHANE	ND	4.3	4	ug/L	108	NA	NA	70-130	NA	0-60			LFM	
	7834	1,1 - DICHLOROPROPENE	ND	4.1	4	ug/L	103	NA	NA	70-130	NA	0-60			LFM	
	7834	CARBON TETRACHLORIDE	ND	4.2	4	ug/L	105	NA	NA	70-130	NA	0-60			LFM	
	7834	BENZENE	ND	3.9	4	ug/L	98	NA	NA	70-130	NA	0-60			LFM	
	7834	DICHLORODIFLUOROMETHANE	ND	3.2	4	ug/L	80	NA	NA	70-130	NA	0-60			LFM	
	7834	1,2 - DICHLOROETHANE	ND	4	4	ug/L	100	NA	NA	70-130	NA	0-60			LFM	
	7834	TRICHLOROETHENE	ND	3.8	4	ug/L	95	NA	NA	70-130	NA	0-60			LFM	
	7834	1,2 - DICHLOROPROPANE	ND	3.8	4	ug/L	95	NA	NA	70-130	NA	0-60			LFM	
	7834	DIBROMOMETHANE	ND	3.7	4	ug/L	93	NA	NA	70-130	NA	0-60			LFM	
	7834	BROMODICHLOROMETHANE	ND	3.9	4	ug/L	98	NA	NA	70-130	NA	0-60			LFM	
	7834	CIS - 1,3 - DICHLOROPROPENE	ND	3.4	4	ug/L	85	NA	NA	70-130	NA	0-60			LFM	
	7834	TOLUENE	ND	3.6	4	ug/L	90	NA	NA	70-130	NA	0-60			LFM	
	7834	TRANS - 1,3 - DICHLOROPROPENE	ND	3.3	4	ug/L	83	NA	NA	70-130	NA	0-60			LFM	
	7834	CHLOROMETHANE	ND	3.6	4	ug/L	90	NA	NA	70-130	NA	0-60			LFM	
	7834	1,1,2 - TRICHLOROETHANE	ND	3.4	4	ug/L	85	NA	NA	70-130	NA	0-60			LFM	
	7834	TETRACHLOROETHYLENE	ND	3.4	4	ug/L	85	NA	NA	70-130	NA	0-60			LFM	
	7834	1,3 - DICHLOROPROPANE	ND	3.5	4	ug/L	88	NA	NA	70-130	NA	0-60			LFM	
	7834	DIBROMOCHLOROMETHANE	ND	3.2	4	ug/L	80	NA	NA	70-130	NA	0-60			LFM	
	7834	CHLOROENZENE	ND	3.4	4	ug/L	85	NA	NA	70-130	NA	0-60			LFM	
	7834	1,1,1,2 - TETRACHLOROETHANE	ND	3.6	4	ug/L	90	NA	NA	70-130	NA	0-60			LFM	
	7834	ETHYLBENZENE	ND	3.7	4	ug/L	93	NA	NA	70-130	NA	0-60			LFM	
	7834	M,P- XYLENE	ND	7.2	8	ug/L	90	NA	NA	70-130	NA	0-60			LFM	
	7834	VINYL CHLORIDE	ND	4.2	4	ug/L	105	NA	NA	70-130	NA	0-60			LFM	
	7834	O - XYLENE	ND	3.4	4	ug/L	85	NA	NA	70-130	NA	0-60			LFM	
	7834	STYRENE	ND	3.1	4	ug/L	78	NA	NA	70-130	NA	0-60			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	7834	BROMOFORM	ND	3.2	4	ug/L	80	NA	70-130	NA	0-60		LFM	
	7834	ISOPROPYLBENZENE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	7834	1,2,3 - TRICHLOROPROPANE	ND	3.7	4	ug/L	93	NA	70-130	NA	0-60		LFM	
	7834	BROMOBENZENE	ND	3.3	4	ug/L	83	NA	70-130	NA	0-60		LFM	
	7834	1,1,2,2 - TETRACHLOROETHANE	ND	3.9	4	ug/L	98	NA	70-130	NA	0-60		LFM	
	7834	O - CHLOROTOLUENE	ND	3.4	4	ug/L	85	NA	70-130	NA	0-60		LFM	
	7834	N - PROPYLBENZENE	ND	3.3	4	ug/L	83	NA	70-130	NA	0-60		LFM	
	7834	1,3,5 - TRIMETHYLBENZENE	ND	3.7	4	ug/L	93	NA	70-130	NA	0-60		LFM	
	7834	BROMOMETHANE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	7834	P - CHLOROTOLUENE	ND	3.5	4	ug/L	88	NA	70-130	NA	0-60		LFM	
	7834	TERT - BUTYLBENZENE	ND	3.5	4	ug/L	88	NA	70-130	NA	0-60		LFM	
	7834	1,2,4 - TRIMETHYLBENZENE	ND	3.4	4	ug/L	85	NA	70-130	NA	0-60		LFM	
	7834	SEC - BUTYLBENZENE	ND	3.5	4	ug/L	88	NA	70-130	NA	0-60		LFM	
	7834	1,3 - DICHLOROBENZENE (meta)	ND	3.4	4	ug/L	85	NA	70-130	NA	0-60		LFM	
	7834	P - ISOPROPYLTOLUENE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	7834	1,4 - DICHLOROBENZENE (para)	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	7834	1,2 - DICHLOROBENZENE (ortho)	ND	3.5	4	ug/L	88	NA	70-130	NA	0-60		LFM	
	7834	N - BUTYLBENZENE	ND	3.2	4	ug/L	80	NA	70-130	NA	0-60		LFM	
	7834	CHLOROETHANE	ND	4.4	4	ug/L	110	NA	70-130	NA	0-60		LFM	
	7834	1,2,4 - TRICHLOROBENZENE	ND	2.9	4	ug/L	73	NA	70-130	NA	0-60		LFM	
	7834	HEXACHLOROBUTADIENE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	7834	NAPHTHALENE	ND	3.2	4	ug/L	80	NA	70-130	NA	0-60		LFM	
	7834	1,2,3 - TRICHLOROBENZENE	ND	3.8	4	ug/L	95	NA	70-130	NA	0-60		LFM	
	7834	TRICHLOROFLUOROMETHANE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	7834	1,1 - DICHLOROETHYLENE	ND	3.9	4	ug/L	98	NA	70-130	NA	0-60		LFM	
	7834	METHYLENE CHLORIDE	ND	4	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	7834	METHYL TERT-BUTYL ETHER	ND	3.5	4	ug/L	88	NA	70-130	NA	0-60		LFM	
	7834	1,2 - DICHLOROETHANE-d4 (SURR)	115	117	100	%	2	NA	70-130	NA	0-60		LFM	
	7834	1,4 - DIFLUOROBENZENE-d4 (Surr)	98	97	100	%	-1	NA	70-130	NA	0-60		LFM	
	7834	4-BROMOFLUOROBENZENE (Surr)	103	106	100	%	3	NA	70-130	NA	0-60		LFM	
	7834	d8-TOLUENE (Surr)	100	98	100	%	-2	NA		NA			LFM	
I140225A	7834	FLUORIDE	0.11	1.10	1	mg/L	99		90-110	NA	0-20		LFM	
	7834	NITRATE-N	13	14	1	mg/L	100		80-120	NA	0-60		LFM	
	7835	CHLORIDE	36	37	1	mg/L	100		80-120	NA	0-60		LFM	

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NA = Indicates %RPD could not be calculated

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	<u>Percent Recovery</u>		Limits*	%RPD	Limits*	QC		Comments
					Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	7835	FLUORIDE	0.13	1.10		1	mg/L	97		90-110	NA	0-20		LFM	
	7835	NITRATE-N	10	11		1	mg/L	100		80-120	NA	0-60		LFM	
	7836	FLUORIDE	0.18	1.12		1	mg/L	94		90-110	NA	0-20		LFM	
	7836	NITRATE-N	18	19		1	mg/L	100		80-120	NA	0-60		LFM	

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NA = Indicates %RPD could not be calculated

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FORM: cLFMD.rpt



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 14-03181
Report Date: 03/19/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081A_140303 7834	DECACHLOROBIPHENYL (Surr)	109		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	97		%		Acceptance Limits 67-115%
8151W_140303 7834	2,4 - DCAA (Surr)	80		%	8151A	Acceptance Range 61-129%
8260W_140310 7834	1,2 - DICHLOROETHANE-d4 (Surr)	115		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	98		%		
	4-BROMOFLUOROBENZENE (Surr)	103		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	100		%		Acceptance Range is 70-130%
8081A_140303 7835	DECACHLOROBIPHENYL (Surr)	104		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	98		%		Acceptance Limits 67-115%
8151W_140303 7835	2,4 - DCAA (Surr)	96		%	8151A	Acceptance Range 61-129%
8260W_140310 7835	1,2 - DICHLOROETHANE-d4 (Surr)	117		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	98		%		
	4-BROMOFLUOROBENZENE (Surr)	104		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	100		%		Acceptance Range is 70-130%
8081A_140303 7836	DECACHLOROBIPHENYL (Surr)	126		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	106		%		Acceptance Limits 67-115%
8151W_140303 7836	2,4 - DCAA (Surr)	90		%	8151A	Acceptance Range 61-129%
8260W_140310 7836	1,2 - DICHLOROETHANE-d4 (Surr)	121		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	100		%		
	4-BROMOFLUOROBENZENE (Surr)	99		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	100		%		Acceptance Range is 70-130%
8081A_140303 7837	DECACHLOROBIPHENYL (Surr)	119		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	107		%		Acceptance Limits 67-115%
8151W_140303 7837	2,4 - DCAA (Surr)	78		%	8151A	Acceptance Range 61-129%
8260W_140310 7837	1,2 - DICHLOROETHANE-d4 (Surr)	120		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	99		%		
	4-BROMOFLUOROBENZENE (Surr)	99		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	99		%		Acceptance Range is 70-130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-03181

Report Date: 03/19/14

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
EC	This compound is subject to erratic chromatographic behavior.
HQ	High QCS recovery due to increased detector response of the sample extract. The continuing calibration checks are within acceptance limits.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03181**

Date: March 20, 2014

Project: Water Quality Multiple Locations

Date Received: February 25, 2014

Attn: Steven Patton

Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	7834.00	GW-136	Stiller Pond	Pesticides in Water	\$182.00
2	7834.01	GW-136	Stiller Pond	Chlorinated Herbicides	\$231.00
3	7834.02	GW-136	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
4	7834.03	GW-136	Stiller Pond	Total Metals in Water	\$168.00
5	7834.04	GW-136	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
6	7834.05	GW-136	Stiller Pond	Chloride	\$21.00
7	7834.06	GW-136	Stiller Pond	Sulfate	\$20.00
8	7834.07	GW-136	Stiller Pond	Fluoride	\$21.00
9	7834.08	GW-136	Stiller Pond	Total Dissolved Solids	\$20.00
10	7834.09	GW-136	Stiller Pond	Color	\$19.00
11	7834.10	GW-136	Stiller Pond	Surfactants	\$70.00
12	7834.11	GW-136	Stiller Pond	Nitrate-N	\$21.00
13	7834.12	GW-136	Stiller Pond	Turbidity	\$15.00
14	7834.13	GW-136	Stiller Pond	Corrosivity	\$53.00
15	7834.14	GW-136	Stiller Pond	ODOR	\$21.00
16	7834.15	GW-136	Stiller Pond	Total Phosphorus	\$24.00
17	7835.00	GW-145	Stiller Pond	Pesticides in Water	\$182.00
18	7835.01	GW-145	Stiller Pond	Chlorinated Herbicides	\$231.00
19	7835.02	GW-145	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
20	7835.03	GW-145	Stiller Pond	Total Metals in Water	\$168.00
21	7835.04	GW-145	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
22	7835.05	GW-145	Stiller Pond	Chloride	\$21.00
23	7835.06	GW-145	Stiller Pond	Sulfate	\$20.00
24	7835.07	GW-145	Stiller Pond	Fluoride	\$21.00
25	7835.08	GW-145	Stiller Pond	Total Dissolved Solids	\$20.00
26	7835.09	GW-145	Stiller Pond	Color	\$19.00
27	7835.10	GW-145	Stiller Pond	Surfactants	\$70.00
28	7835.11	GW-145	Stiller Pond	Nitrate-N	\$21.00

Thank You for Your Business

Please pay to corporate office by April 19, 2014 to avoid a 1.5% per month finance charge.



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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03181**

Date: March 20, 2014

Project: Water Quality Multiple Locations

Date Received: February 25, 2014

Attn: Steven Patton

Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
29	7835.12	GW-145	Stiller Pond	Turbidity	\$15.00
30	7835.13	GW-145	Stiller Pond	Corrosivity	\$53.00
31	7835.14	GW-145	Stiller Pond	ODOR	\$21.00
32	7835.15	GW-145	Stiller Pond	Total Phosphorus	\$24.00
33	7836.00	GW-146	Stiller Pond	Pesticides in Water	\$182.00
34	7836.01	GW-146	Stiller Pond	Chlorinated Herbicides	\$231.00
35	7836.02	GW-146	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
36	7836.03	GW-146	Stiller Pond	Total Metals in Water	\$168.00
37	7836.04	GW-146	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
38	7836.05	GW-146	Stiller Pond	Chloride	\$21.00
39	7836.06	GW-146	Stiller Pond	Sulfate	\$20.00
40	7836.07	GW-146	Stiller Pond	Fluoride	\$21.00
41	7836.08	GW-146	Stiller Pond	Total Dissolved Solids	\$20.00
42	7836.09	GW-146	Stiller Pond	Color	\$19.00
43	7836.10	GW-146	Stiller Pond	Surfactants	\$70.00
44	7836.11	GW-146	Stiller Pond	Nitrate-N	\$21.00
45	7836.12	GW-146	Stiller Pond	Turbidity	\$15.00
46	7836.13	GW-146	Stiller Pond	Corrosivity	\$53.00
47	7836.14	GW-146	Stiller Pond	ODOR	\$21.00
48	7836.15	GW-146	Stiller Pond	Total Phosphorus	\$24.00
49	7837.00	GW-147	Stiller Pond	Pesticides in Water	\$182.00
50	7837.01	GW-147	Stiller Pond	Chlorinated Herbicides	\$231.00
51	7837.02	GW-147	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
52	7837.03	GW-147	Stiller Pond	Total Metals in Water	\$168.00
53	7837.04	GW-147	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
54	7837.05	GW-147	Stiller Pond	Chloride	\$21.00
55	7837.06	GW-147	Stiller Pond	Sulfate	\$20.00
56	7837.07	GW-147	Stiller Pond	Fluoride	\$21.00
57	7837.08	GW-147	Stiller Pond	Total Dissolved Solids	\$20.00

Thank You for Your Business

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INVOICE

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 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-03181**

Date: March 20, 2014

Project: Water Quality Multiple Locations

Date Received: February 25, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
58	7837.09	GW-147	Stiller Pond	Color	\$19.00
59	7837.10	GW-147	Stiller Pond	Surfactants	\$70.00
60	7837.11	GW-147	Stiller Pond	Nitrate-N	\$21.00
61	7837.12	GW-147	Stiller Pond	Turbidity	\$15.00
62	7837.13	GW-147	Stiller Pond	Corrosivity	\$53.00
63	7837.14	GW-147	Stiller Pond	ODOR	\$21.00
64	7837.15	GW-147	Stiller Pond	Total Phosphorus	\$24.00

Grand Total: \$4,688.00

Amount Paid: \$0.00

Amount Due: **\$4,688.00**

Thank You for Your Business

Please pay to corporate office by April 19, 2014 to avoid a 1.5% per month finance charge.

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref # 14-0381	
City:	Milton-Freew; St	OR Zip:	97862	Check Regulatory Program	
Attn:	Steven Patten	City:		<input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other	
Phone:	541.938-2170	FAX:			
Email:	steven.patten@wwbwc.org	P.O.#:			
Project:	Water Quality	Card#:			

21809
ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St, Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp	Sample Matrix *	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Fe, Mn, Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	GLW-136	GRAB	GLW	2/24/14	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by:														Total Containers	

Sample Receipt Request (Must include FAX or Email)

* W - water
 DW - drinking water

SW - surface water
 GW - Ground water

WW - waste water
 OL - oil
 Other _____

Relinquished by	Date	Time	Received by	Date	Time
Steven Patten	2/24/14	15:05	SPS	2/25/14	09:45

Custody seals intact **SPS**
 Sample temp 9 C satisfactory
 Samples received intact
 Chain of custody & labels agree

Yes	No	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref #	
City:	Milton-Freew; St	OR Zip:	97862	City:	
Attn:	Steven Patten	Phone:		St:	
Phone:	541.938-2170 FAX:	P.O.#:		Zip:	
Email:	steven.patten@wwbwc.org	Card#:		<input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other	
Project	Water Quality	Expires	/		

EPD/CAL
ANALYTICAL LABORATORIES
Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W1 Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard

Half-time (50% surcharge)

Quickest (100% surcharge) Phone Call Req.

Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	GLW-136		STURM POND	6:00	6:00	2/24/14	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2												
3												
4												
5												
6												
7												
8												
9												
10												
Sampled by:											Total Containers	

Sample Receipt Request (Must include FAX or Email)

* W - water SW - surface water WW - waste water OL - oil

DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Yes	No	N/A
STEVEN PATTEN	2/27/14	15:05	VPS			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Custody seals intact C satisfactory Samples received intact Chain of custody & labels agree

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	
City: Milton-Freewe St. OR Zip: 97862	City:	St:	<input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone:	FAX:	
Phone: 541.938-2170 FAX:	P.O.#:	Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires	
Project: Water Quality	Card#:	/	

ENRCEL
 ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
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 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

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- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	GLS-115		STRAIN POND	6AS	GL	2/24/14	12:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2												
3												
4												
5												
6												
7												
8												
9												
10												
Sampled by:											Total Containers	

Sample Receipt Request (Must include FAX or Email)

* W - water
 DW - drinking water

SW - surface water
 GW - Ground water

WW - waste water
 S - soil
 OL - oil
 Other _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____
 Yes No N/A

Steven Patten 2/24/14 15:00 WPS
 Custody seals intact C satisfactory Samples received intact Chain of custody & labels agree



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	
City: Milton-Freewe St. OR Zip: 97862	City: St. Zip:	<input type="checkbox"/> Safe Drinking Water Act	
Attn: Steven Patten	Phone:	<input type="checkbox"/> Clean Water Act	
Phone: 541.938-2170 FAX:	P.O.#:	<input type="checkbox"/> RCRA / CERCLA	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	<input type="checkbox"/> Other	
Project: Water Quality	Card#:	Expires /	

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 9150 SW Pioneer Ct. Suite W/Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag, Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	ELIHS		PAAS	EW	2/24/12:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by:														Total Containers	
Phone:															
FAX:															
Email:															

Sample Receipt Request (Must include FAX or Email)

* W - water
 DW - drinking water
 SW - surface water
 GW - Ground water
 WW - waste water
 OL - oil
 S - soil
 Other _____

Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____
 Yes No N/A

Steven Patten 2/24/12 15:00 WPS
 Custody seals intact Sample temp _____ C satisfactory
 Samples received intact Chain of custody & labels agree



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Ref #	
City: Milton-Freewe St OR Zip: 97862	City: St: Zip:	Check Regulatory Program	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA	
Project: Water Quality	Card#:	<input type="checkbox"/> Other	

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 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	610-116		6600	610	2/21/11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: _____ Phone: _____ FAX: _____ Email: _____														Total Containers	



CO021809

Sample Receipt Request (Must include FAX or Email)

* W - water
 DW - drinking water

SW - surface water
 GW - Ground water

WW - waste water
 S - soil
 OL - oil
 Other _____

Relinquished by	Date	Time	Received by	Date	Time
-----------------	------	------	-------------	------	------

STEVEN PATTEN 2/21/11 15:00 WPS

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Ref #	
City: Milton-Freewe St OR Zip: 97862	City: St: Zip:	Check Regulatory Program	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA	
Project: Water Quality	Card#:	<input type="checkbox"/> Other	

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	610-114		66AS	6/1	2/24/11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: Steven Patten											Phone:	
Sample Receipt Request (Must include FAX or Email) <input type="checkbox"/>											FAX:	
Relinquished by: Steven Patten											Date:	2/24/11
Date:											Time:	15:00
Received by: UPS											Date:	
Date:											Time:	



CO021809

* W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil
 S - soil Other _____

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Ref #	
City: Milton-Freewe St. OR Zip: 97862	City: St: Zip:	Check Regulatory Program	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA	
Project: Water Quality	Card#:	<input type="checkbox"/> Other	

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- (NEW) List each metal individually. (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard

Half-time (50% surcharge)

Quickest (100% surcharge) Phone Call Req.

Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	GW-177		Stream Run	Ken	GW	2/24/17	13:35								
2															
3															
4															
5															
6															
7															
8															
9															
10															
Sampled by: _____ Phone: _____ FAX: _____ Email: _____														Total Containers	

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

STEVEN PATTEN 2/24/17 13:35 UPS

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree



CO021809

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Ref #	<input type="checkbox"/> Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
City: Milton-Freewe; St. OR Zip: 97862	City: St. Zip:		
Attn: Steven Patten	Phone: FAX:		
Phone: 541.938-2170 FAX:	P.O.#: Attn:		
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /		
Project: Water Quality	Card#:		

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- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Analyses Requested		Number of Containers	Special Instructions Conditions on Receipt
						Nitrate as N, Turbidity, Corrosivity	Odor		
1	GLS-172	PAS	AD	7/2/11	13:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2						<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: _____ Phone: _____ FAX: _____ Email: _____						Total Containers			



Sample Receipt Request (Must include FAX or Email)

* W - water
 DW - drinking water
 SW - surface water
 GW - Ground water
 WW - waste water
 S - soil
 OL - oil
 Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
Steven Patten	7/2/11	15:05	US			Sample temp _____ C satisfactory	<input type="checkbox"/>
						Samples received intact	<input type="checkbox"/>
						Chain of custody & labels agree	<input type="checkbox"/>

March 18, 2014

Vista Project I.D.: 1400159

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 25, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400159

Case Narrative

Sample Condition on Receipt:

Ten soil samples and four aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

As requested, an MS/MSD was performed on sample "Soil 1", and a duplicate analysis was performed on sample "Soil 2".

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	86
Certifications.....	87
Sample Receipt.....	88

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400159-01	Soil #1	24-Feb-14 10:30	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-02	Soil #2	24-Feb-14 10:48	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-03	Soil #3	24-Feb-14 10:56	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-04	Soil #4	24-Feb-14 11:06	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-05	Soil #5	24-Feb-14 11:15	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-06	Soil #6	24-Feb-14 11:24	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-07	Soil #7	24-Feb-14 11:32	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-08	Soil #8	24-Feb-14 11:41	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-09	Soil #9	24-Feb-14 11:53	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-10	Soil #10	24-Feb-14 12:02	25-Feb-14 10:15	Amber Glass, 120 mL
1400159-11	GW-146	24-Feb-14 11:00	25-Feb-14 10:15	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400159-12	Mill Creek	24-Feb-14 13:55	25-Feb-14 10:15	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400159-13	GW-145	24-Feb-14 12:45	25-Feb-14 10:15	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400159-14	GW-147	24-Feb-14 13:30	25-Feb-14 10:15	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0113	Lab Sample: B4B0113-BLK1
Sample Size: 10.0 g	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 04-Mar-14 16:17 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.826			PCB-43/49	ND	0.559		
PCB-2	ND	0.850			PCB-44	ND	0.640		
PCB-3	ND	0.831			PCB-45	ND	0.627		
PCB-4/10	ND	3.12			PCB-46	ND	0.694		
PCB-5/8	ND	2.65			PCB-47	ND	0.541		
PCB-6	ND	2.66			PCB-48/75	ND	0.438		
PCB-7/9	ND	2.63			PCB-50	ND	0.623		
PCB-11	ND	2.45			PCB-51	ND	0.519		
PCB-12/13	ND	2.60			PCB-52/69	ND	0.475		
PCB-14	ND	2.18			PCB-53	ND	0.513		
PCB-15	ND	2.54			PCB-54	ND	0.469		
PCB-16/32	ND	0.419			PCB-55	ND	0.375		
PCB-17	ND	0.482			PCB-56/60	ND	0.398		
PCB-18	ND	0.518			PCB-57	ND	0.355		
PCB-19	ND	0.493			PCB-58	ND	0.375		
PCB-20/21/33	ND	0.377			PCB-61/70	ND	0.381		
PCB-22	ND	0.358			PCB-62	ND	0.441		
PCB-23	ND	0.351			PCB-63	ND	0.363		
PCB-24/27	ND	0.363			PCB-65	ND	0.438		
PCB-25	ND	0.385			PCB-67	ND	0.392		
PCB-26	ND	0.401			PCB-68	ND	0.396		
PCB-28	ND	0.338			PCB-73	ND	0.419		
PCB-29	ND	0.384			PCB-74	ND	0.330		
PCB-30	ND	0.328			PCB-76/66	ND	0.349		
PCB-31	ND	0.407			PCB-77	ND	0.329		
PCB-34	ND	0.391			PCB-78	ND	0.386		
PCB-35	ND	0.373			PCB-79	ND	0.400		
PCB-36	ND	0.367			PCB-80	ND	0.335		
PCB-37	ND	0.398			PCB-81	ND	0.337		
PCB-38	ND	0.350			PCB-82	ND	1.03		
PCB-39	ND	0.354			PCB-83	ND	0.721		
PCB-40	ND	0.751			PCB-84/92	ND	1.01		
PCB-41/64/71/72	ND	0.441			PCB-85/116	ND	0.838		
PCB-42/59	ND	0.480			PCB-86	ND	1.11		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B4B0113
Date Extracted: 27-Feb-2014 14:31Lab Sample: B4B0113-BLK1
Date Analyzed: 04-Mar-14 16:17 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.730			PCB-133/142	ND	0.451		
PCB-88/91	ND	1.04			PCB-134/143	ND	0.444		
PCB-89	ND	1.04			PCB-135	ND	0.758		
PCB-90/101	ND	0.881			PCB-136	ND	0.539		
PCB-93	ND	1.01			PCB-137	ND	0.424		
PCB-94	ND	1.02			PCB-138/163/164	ND	0.340		
PCB-95/98/102	ND	0.953			PCB-139/149	ND	0.658		
PCB-96	ND	0.816			PCB-140	ND	0.753		
PCB-97	ND	0.899			PCB-141	ND	0.455		
PCB-99	ND	0.841			PCB-144	ND	0.708		
PCB-100	ND	0.882			PCB-145	ND	0.488		
PCB-103	ND	0.947			PCB-146/165	ND	0.345		
PCB-104	ND	0.691			PCB-147	ND	0.688		
PCB-105	ND	0.620			PCB-148	ND	0.684		
PCB-106/118	ND	0.673			PCB-150	ND	0.501		
PCB-107/109	ND	0.599			PCB-151	ND	0.734		
PCB-108/112	ND	0.869			PCB-152	ND	0.490		
PCB-110	ND	0.682			PCB-153	ND	0.351		
PCB-111/115	ND	0.648			PCB-154	ND	0.636		
PCB-113	ND	0.739			PCB-155	ND	0.467		
PCB-114	ND	0.580			PCB-156	ND	0.310		
PCB-119	ND	0.646			PCB-157	ND	0.322		
PCB-120	ND	0.632			PCB-158/160	ND	0.329		
PCB-121	ND	0.687			PCB-159	ND	0.362		
PCB-122	ND	0.645			PCB-166	ND	0.351		
PCB-123	ND	0.643			PCB-167	ND	0.315		
PCB-124	ND	0.573			PCB-168	ND	0.304		
PCB-126	ND	0.620			PCB-169	ND	0.311		
PCB-127	ND	0.612			PCB-170	ND	0.311		
PCB-128/162	ND	0.398			PCB-171	ND	0.297		
PCB-129	ND	0.484			PCB-172	ND	0.331		
PCB-130	ND	0.494			PCB-173	ND	0.353		
PCB-131	ND	0.472			PCB-174	ND	0.295		
PCB-132/161	ND	0.366			PCB-175	ND	0.337		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0113	Lab Sample: B4B0113-BLK1
Sample Size: 10.0 g	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 04-Mar-14 16:17 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.245			Total triCB	ND	0.518		
PCB-177	ND	0.318			Total tetraCB	ND	0.751		
PCB-178	ND	0.357			Total pentaCB	ND	1.11		
PCB-179	ND	0.254			Total hexaCB	ND	0.758		
PCB-180	ND	0.290			Total heptaCB	ND		0.273	
PCB-181	ND	0.286			Total octaCB	ND	0.619		
PCB-182/187	ND	0.313			Total nonaCB	ND	0.533		
PCB-183	ND	0.304			DecaCB	ND	0.498		
PCB-184	ND	0.263			Total PCB	ND			
PCB-185	ND	0.296							
PCB-186	ND	0.246							
PCB-188	ND	0.226							
PCB-189	ND		0.273						
PCB-190	ND	0.222							
PCB-191	ND	0.242							
PCB-192	ND	0.253							
PCB-193	ND	0.236							
PCB-194	ND	0.398							
PCB-195	ND	0.399							
PCB-196/203	ND	0.552							
PCB-197	ND	0.432							
PCB-198	ND	0.619							
PCB-199	ND	0.576							
PCB-200	ND	0.447							
PCB-201	ND	0.422							
PCB-202	ND	0.428							
PCB-204	ND	0.455							
PCB-205	ND	0.330							
PCB-206	ND	0.533							
PCB-207	ND	0.232							
PCB-208	ND	0.223							
PCB-209	ND	0.498							
Total monoCB	ND	0.850							
Total diCB	ND	3.12							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0113	Lab Sample: B4B0113-BLK1
Sample Size: 10.0 g	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 04-Mar-14 16:17 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	67.2	5 - 145		13C-PCB-157	96.6	10 - 145	
13C-PCB-3	75.2	5 - 145		13C-PCB-159	90.1	10 - 145	
13C-PCB-4	60.2	5 - 145		13C-PCB-167	95.8	10 - 145	
13C-PCB-11	72.6	5 - 145		13C-PCB-169	120	10 - 145	
13C-PCB-9	60.4	5 - 145		13C-PCB-170	92.0	10 - 145	
13C-PCB-19	68.2	5 - 145		13C-PCB-180	90.7	10 - 145	
13C-PCB-28	75.0	5 - 145		13C-PCB-188	75.7	10 - 145	
13C-PCB-32	67.8	5 - 145		13C-PCB-189	93.5	10 - 145	
13C-PCB-37	97.2	5 - 145		13C-PCB-194	93.3	10 - 145	
13C-PCB-47	79.3	5 - 145		13C-PCB-202	73.8	10 - 145	
13C-PCB-52	79.6	5 - 145		13C-PCB-206	83.0	10 - 145	
13C-PCB-54	69.5	5 - 145		13C-PCB-208	86.2	10 - 145	
13C-PCB-70	89.5	5 - 145		13C-PCB-209	87.0	10 - 145	
13C-PCB-77	108	10 - 145		CRS 13C-PCB-79	96.1	10 - 145	
13C-PCB-80	90.1	10 - 145		13C-PCB-178	82.2	10 - 145	
13C-PCB-81	103	10 - 145					
13C-PCB-95	88.5	10 - 145					
13C-PCB-97	94.4	10 - 145					
13C-PCB-101	92.5	10 - 145					
13C-PCB-104	84.2	10 - 145					
13C-PCB-105	78.3	10 - 145					
13C-PCB-114	79.8	10 - 145					
13C-PCB-118	104	10 - 145					
13C-PCB-123	109	10 - 145					
13C-PCB-126	96.0	10 - 145					
13C-PCB-127	85.9	10 - 145					
13C-PCB-138	87.5	10 - 145					
13C-PCB-141	88.5	10 - 145					
13C-PCB-153	85.9	10 - 145					
13C-PCB-155	86.3	10 - 145					
13C-PCB-156	98.0	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B4B0113
Date Extracted: 27-Feb-2014 14:31Lab Sample: B4B0113-BS1
Date Analyzed: 04-Mar-14 15:13 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	405	500	80.9	60 - 135	IS 13C-PCB-1	75.7	15 - 145
PCB-3	401	500	80.1	60 - 135	IS 13C-PCB-3	87.0	15 - 145
PCB-4/10	1850	2000	92.3	60 - 135	IS 13C-PCB-4	65.6	15 - 145
PCB-15	1020	1000	102	60 - 135	IS 13C-PCB-11	76.4	15 - 145
PCB-19	554	500	111	60 - 135	IS 13C-PCB-9	64.8	15 - 145
PCB-37	439	500	87.7	60 - 135	IS 13C-PCB-19	71.8	15 - 145
PCB-54	519	500	104	60 - 135	IS 13C-PCB-28	80.4	15 - 145
PCB-77	476	500	95.2	60 - 135	IS 13C-PCB-32	78.7	15 - 145
PCB-81	478	500	95.6	60 - 135	IS 13C-PCB-37	99.1	15 - 145
PCB-104	472	500	94.3	60 - 135	IS 13C-PCB-47	81.6	15 - 145
PCB-105	459	500	91.8	60 - 135	IS 13C-PCB-52	77.8	15 - 145
PCB-106/118	965	1000	96.5	60 - 135	IS 13C-PCB-54	73.5	15 - 145
PCB-114	471	500	94.2	60 - 135	IS 13C-PCB-70	89.7	15 - 145
PCB-126	458	500	91.5	60 - 135	IS 13C-PCB-77	107	40 - 145
PCB-155	491	500	98.1	60 - 135	IS 13C-PCB-80	89.0	40 - 145
PCB-156	453	500	90.6	60 - 135	IS 13C-PCB-81	102	40 - 145
PCB-157	464	500	92.7	60 - 135	IS 13C-PCB-95	89.1	40 - 145
PCB-167	456	500	91.3	60 - 135	IS 13C-PCB-97	94.6	40 - 145
PCB-169	457	500	91.4	60 - 135	IS 13C-PCB-101	92.7	40 - 145
PCB-188	502	500	100	60 - 135	IS 13C-PCB-104	85.6	40 - 145
PCB-189	474	500	94.7	60 - 135	IS 13C-PCB-105	81.8	40 - 145
PCB-202	491	500	98.3	60 - 135	IS 13C-PCB-114	80.7	40 - 145
PCB-205	451	500	90.2	60 - 135	IS 13C-PCB-118	102	40 - 145
PCB-206	486	500	97.3	60 - 135	IS 13C-PCB-123	106	40 - 145
PCB-208	474	500	94.8	60 - 135	IS 13C-PCB-126	95.3	40 - 145
PCB-209	470	500	94.0	60 - 135	IS 13C-PCB-127	87.5	40 - 145
					IS 13C-PCB-138	90.1	40 - 145
					IS 13C-PCB-141	90.6	40 - 145
					IS 13C-PCB-153	88.8	40 - 145
					IS 13C-PCB-155	86.3	40 - 145
					IS 13C-PCB-156	99.7	40 - 145
					IS 13C-PCB-157	97.5	40 - 145
					IS 13C-PCB-159	93.7	40 - 145
					IS 13C-PCB-167	96.9	40 - 145
					IS 13C-PCB-169	119	40 - 145
					IS 13C-PCB-170	98.7	40 - 145
					IS 13C-PCB-180	93.1	40 - 145
					IS 13C-PCB-188	78.6	40 - 145
					IS 13C-PCB-189	101	40 - 145
					IS 13C-PCB-194	99.0	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4B0113
Date Extracted: 27-Feb-2014 14:31

Lab Sample: B4B0113-BS1
Date Analyzed: 04-Mar-14 15:13 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	76.9	40 - 145
					IS 13C-PCB-206	94.3	40 - 145
					IS 13C-PCB-208	92.8	40 - 145
					IS 13C-PCB-209	95.8	40 - 145
					CRS 13C-PCB-79	99.5	40 - 145
					CRS 13C-PCB-178	87.8	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-01	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	12.4 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 10:30	% Solids:	80.5	Date Analyzed :	06-Mar-14 15:42	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.840			PCB-44	4.49			
PCB-2	ND	0.854			PCB-45	0.462			J
PCB-3	0.713			J	PCB-46	ND	0.360		
PCB-4/10	ND	3.00			PCB-47	2.52			
PCB-5/8	ND	2.62			PCB-48/75	0.809			J
PCB-6	ND	2.63			PCB-50	ND	0.314		
PCB-7/9	ND	2.60			PCB-51	ND	0.269		
PCB-11	4.38			J	PCB-52/69	7.26			
PCB-12/13	ND	3.29			PCB-53	0.395			J
PCB-14	ND	2.25			PCB-54	ND	0.237		
PCB-15	4.26			J	PCB-55	0.625			J
PCB-16/32	1.05			J	PCB-56/60	6.29			
PCB-17	ND	0.279			PCB-57	ND	0.210		
PCB-18	1.36			J	PCB-58	ND	0.222		
PCB-19	ND	0.308			PCB-61/70	12.6			
PCB-20/21/33	1.83			J	PCB-62	ND	0.226		
PCB-22	1.67			J	PCB-63	0.510			J
PCB-23	ND	0.267			PCB-65	ND	0.224		
PCB-24/27	ND	0.210			PCB-67	ND	0.232		
PCB-25	ND		0.586		PCB-68	0.461			J
PCB-26	ND		0.677		PCB-73	ND	0.217		
PCB-28	3.93				PCB-74	2.39			J
PCB-29	ND	0.292			PCB-76/66	6.77			
PCB-30	ND	0.205			PCB-77	3.29			
PCB-31	3.27				PCB-78	ND	0.224		
PCB-34	ND	0.297			PCB-79	1.70			J
PCB-35	1.01			J	PCB-80	ND	0.200		
PCB-36	ND	0.297			PCB-81	0.521			J
PCB-37	4.41				PCB-82	4.24			
PCB-38	0.763			J	PCB-83	ND	0.384		
PCB-39	0.629			J	PCB-84/92	12.4			
PCB-40	ND		0.781		PCB-85/116	11.8			
PCB-41/64/71/72	3.74			J	PCB-86	0.472			J
PCB-42/59	1.66			J	PCB-87/117/125	15.1			
PCB-43/49	6.71				PCB-88/91	4.59			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-01	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond	Sample Size:	12.4 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31
Date Collected:	24-Feb-2014 10:30	% Solids:	80.5	Date Analyzed :	06-Mar-14 15:42	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.561			PCB-136	4.66			
PCB-90/101	44.6				PCB-137	3.96			
PCB-93	ND	0.551			PCB-138/163/164	80.7			
PCB-94	ND	0.556			PCB-139/149	50.6			
PCB-95/98/102	17.6				PCB-140	0.760			J
PCB-96	ND	0.419			PCB-141	11.3			
PCB-97	9.46				PCB-144	ND		2.09	
PCB-99	26.0				PCB-145	ND	0.387		
PCB-100	ND	0.453			PCB-146/165	9.52			
PCB-103	ND	0.487			PCB-147	1.94			J
PCB-104	ND	0.355			PCB-148	ND	0.543		
PCB-105	21.3				PCB-150	ND	0.398		
PCB-106/118	49.2				PCB-151	13.6			
PCB-107/109	5.19				PCB-152	ND	0.389		
PCB-108/112	1.84			J	PCB-153	69.8			
PCB-110	49.3				PCB-154	0.851			J
PCB-111/115	1.04			J	PCB-155	ND	0.371		
PCB-113	ND	0.399			PCB-156	8.05			
PCB-114	1.19			J	PCB-157	3.16			
PCB-119	0.983			J	PCB-158/160	7.09			
PCB-120	ND		0.469		PCB-159	ND	0.283		
PCB-121	ND	0.373			PCB-166	0.521			J
PCB-122	1.01			J	PCB-167	4.58			
PCB-123	2.11			J	PCB-168	ND		0.239	
PCB-124	3.83				PCB-169	1.19			J
PCB-126	1.83			J	PCB-170	19.3			
PCB-127	ND	1.46			PCB-171	4.52			
PCB-128/162	15.4				PCB-172	3.94			
PCB-129	2.96				PCB-173	ND	0.328		
PCB-130	6.31				PCB-174	17.6			
PCB-131	ND	0.378			PCB-175	1.01			J
PCB-132/161	12.1				PCB-176	1.90			J
PCB-133/142	2.13			J	PCB-177	11.4			
PCB-134/143	2.63			J	PCB-178	6.06			
PCB-135	9.12				PCB-179	8.91			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-01
Project:	Stiller Pond	Sample Size:	12.4 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:30	% Solids:	80.5	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 15:42
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	38.5				Total octaCB	66.6			
PCB-181	ND	0.265			Total nonaCB	23.8			
PCB-182/187	31.1				DecaCB	26.4			
PCB-183	9.12				Total PCB	983			
PCB-184	ND	0.243							
PCB-185	2.31			J					
PCB-186	ND	0.227							
PCB-188	ND	0.208							
PCB-189	1.66			J					
PCB-190	4.69								
PCB-191	0.913			J					
PCB-192	ND	0.235							
PCB-193	2.72								
PCB-194	11.6								
PCB-195	4.76								
PCB-196/203	18.6								
PCB-197	0.595			J					
PCB-198	1.36			J					
PCB-199	19.3								
PCB-200	2.17			J					
PCB-201	1.79			J					
PCB-202	5.36								
PCB-204	ND	0.379							
PCB-205	1.07			J					
PCB-206	15.5								
PCB-207	1.78			J					
PCB-208	6.54								
PCB-209	26.4								
Total monoCB	0.713			J					
Total diCB	8.64								
Total triCB	19.9		21.2						
Total tetraCB	63.1		63.9						
Total pentaCB	285		286						
Total hexaCB	323		325						
Total heptaCB	166								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-01
Project:	Stiller Pond	Sample Size:	12.4 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:30	% Solids:	80.5	QC Batch:	B4B0113
				Date Analyzed :	06-Mar-14 15:42
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	76.8	5 -145		13C-PCB-170	94.5	10 -145	
13C-PCB-3	85.8	5 -145		13C-PCB-180	90.0	10 -145	
13C-PCB-4	73.5	5 -145		13C-PCB-188	73.7	10 -145	
13C-PCB-11	85.1	5 -145		13C-PCB-189	91.3	10 -145	
13C-PCB-9	74.1	5 -145		13C-PCB-194	103	10 -145	
13C-PCB-19	82.4	5 -145		13C-PCB-202	62.1	10 -145	
13C-PCB-28	92.3	5 -145		13C-PCB-206	105	10 -145	
13C-PCB-32	83.1	5 -145		13C-PCB-208	96.0	10 -145	
13C-PCB-37	98.4	5 -145		13C-PCB-209	97.8	10 -145	
13C-PCB-47	95.0	5 -145		CRS 13C-PCB-79	100	10 -145	
13C-PCB-52	97.0	5 -145		13C-PCB-178	81.9	10 -145	
13C-PCB-54	85.7	5 -145					
13C-PCB-70	99.3	5 -145					
13C-PCB-77	108	10 -145					
13C-PCB-80	96.0	10 -145					
13C-PCB-81	104	10 -145					
13C-PCB-95	92.3	10 -145					
13C-PCB-97	98.1	10 -145					
13C-PCB-101	94.4	10 -145					
13C-PCB-104	92.5	10 -145					
13C-PCB-105	90.6	10 -145					
13C-PCB-114	89.5	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	92.1	10 -145					
13C-PCB-127	92.9	10 -145					
13C-PCB-138	96.1	10 -145					
13C-PCB-141	97.7	10 -145					
13C-PCB-153	94.4	10 -145					
13C-PCB-155	67.8	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	102	10 -145					
13C-PCB-159	99.7	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	111	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Matrix Spike

EPA Method 1668C

Source Client ID: Soil #1	QC Batch: B4B0113	Lab Sample: B4B0113-MS1/B4B0113-MSD1
Source LabNumber: 1400159-01	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 06-Mar-14 13:34 Column: ZB-1 Analyst: DMS
Matrix: Solid		06-Mar-14 14:38 Column: ZB-1 Analyst: DMS
Sample Size: 12.4/12.4 g		

Analyte	Spike-MS (pg/g)	MS %R	MS Qualifiers	Spike-MSD (pg/g)	MSD %R	RPD	MSD Qualifiers	Labeled Standard	MS %R	MS Qualifiers	MSD %R	MSD Qualifiers
PCB-1	500	88.8		502	87.8	1.13		IS 13C-PCB-1	72.5		73.4	
PCB-3	500	89.1		502	89.1	0		IS 13C-PCB-3	86.9		84.2	
PCB-4/10	2000	100		2010	99.5	0.501		IS 13C-PCB-4	72.7		72.9	
PCB-15	999	105		1000	105	0		IS 13C-PCB-11	87.1		87.3	
PCB-19	500	106		502	106	0		IS 13C-PCB-9	74.8		77.3	
PCB-37	500	103		502	107	3.81		IS 13C-PCB-19	84.4		83.6	
PCB-54	500	103		502	102	0.976		IS 13C-PCB-28	94.7		84.1	
PCB-77	500	95.3		502	97.2	1.97		IS 13C-PCB-32	87.0		87.0	
PCB-81	500	95.3		502	93.9	1.48		IS 13C-PCB-37	102		102	
PCB-104	500	110		502	112	1.80		IS 13C-PCB-47	89.6		93.6	
PCB-105	500	91.7		502	94.0	2.48		IS 13C-PCB-52	89.8		93.3	
PCB-106/118	999	108		1000	108	0		IS 13C-PCB-54	87.8		83.9	
PCB-114	500	94.2		502	94.8	0.635		IS 13C-PCB-70	98.7		97.8	
PCB-126	500	92.6		502	89.5	3.40		IS 13C-PCB-77	107		109	
PCB-155	500	109		502	110	0.913		IS 13C-PCB-80	96.7		98.1	
PCB-156	500	88.4		502	87.4	1.14		IS 13C-PCB-81	104		109	
PCB-157	500	90.0		502	89.6	0.445		IS 13C-PCB-95	93.5		94.9	
PCB-167	500	87.7		502	87.3	0.457		IS 13C-PCB-97	98.2		99.3	
PCB-169	500	89.0		502	87.4	1.81		IS 13C-PCB-101	96.7		98.4	
PCB-188	500	107		502	107	0		IS 13C-PCB-104	93.0		93.3	
PCB-189	500	101		502	100	0.995		IS 13C-PCB-105	88.2		89.8	
PCB-202	500	102		502	103	0.976		IS 13C-PCB-114	87.1		90.1	
PCB-205	500	99.0		502	96.4	2.66		IS 13C-PCB-118	104		106	
PCB-206	500	88.7		502	87.4	1.48		IS 13C-PCB-123	110		111	
PCB-208	500	90.5		502	90.3	0.221		IS 13C-PCB-126	96.9		96.6	
PCB-209	500	99.5		502	99.1	0.403		IS 13C-PCB-127	94.2		92.9	
								IS 13C-PCB-138	95.0		99.1	
								IS 13C-PCB-141	94.6		97.5	
								IS 13C-PCB-153	91.8		96.4	
								IS 13C-PCB-155	69.7		69.6	
								IS 13C-PCB-156	103		106	
								IS 13C-PCB-157	101		105	
								IS 13C-PCB-159	99.1		101	
								IS 13C-PCB-167	103		104	
								IS 13C-PCB-169	111		114	
								IS 13C-PCB-170	94.4		97.2	
								IS 13C-PCB-180	88.6		91.5	
								IS 13C-PCB-188	72.3		73.9	

Sample ID: Matrix Spike

EPA Method 1668C

Source Client ID: Soil #1	QC Batch: B4B0113	Lab Sample: B4B0113-MS1/B4B0113-MSD1
Source LabNumber: 1400159-01	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 06-Mar-14 13:34 Column: ZB-1 Analyst: DMS
Matrix: Solid		06-Mar-14 14:38 Column: ZB-1 Analyst: DMS
Sample Size: 12.4/12.4 g		

Analyte	Spike-MS (pg/g)	MS %R	MS Qualifiers	Spike-MSD (pg/g)	MSD %R	RPD	MSD Qualifiers	Labeled Standard	MS %R	MS Qualifiers	MSD %R	MSD Qualifiers
								IS 13C-PCB-189	91.0		94.3	
								IS 13C-PCB-194	97.2		98.8	
								IS 13C-PCB-202	61.8		64.0	
								IS 13C-PCB-206	107		102	
								IS 13C-PCB-208	96.3		93.6	
								IS 13C-PCB-209	98.7		95.4	
								CRS 13C-PCB-79	99.6		102	
								CRS 13C-PCB-178	80.2		86.4	

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-02
Project:	Stiller Pond	Sample Size:	12.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:48	% Solids:	79.0	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 16:46
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.03			PCB-44	5.33			
PCB-2	0.566			J	PCB-45	ND	0.290		
PCB-3	0.933			J	PCB-46	ND	0.321		
PCB-4/10	ND	3.67			PCB-47	3.43			
PCB-5/8	ND	3.03			PCB-48/75	0.714			J
PCB-6	ND	3.05			PCB-50	ND	0.254		
PCB-7/9	ND	3.01			PCB-51	ND	0.240		
PCB-11	ND	3.03			PCB-52/69	11.8			
PCB-12/13	ND	3.22			PCB-53	ND		0.295	
PCB-14	ND	2.69			PCB-54	ND	0.191		
PCB-15	ND	3.14			PCB-55	ND	0.193		
PCB-16/32	0.991			J	PCB-56/60	6.22			
PCB-17	ND		0.452		PCB-57	ND	0.177		
PCB-18	1.36			J	PCB-58	ND	0.187		
PCB-19	ND	0.260			PCB-61/70	15.3			
PCB-20/21/33	ND		1.18		PCB-62	ND	0.205		
PCB-22	ND		0.957		PCB-63	0.565			J
PCB-23	ND	0.246			PCB-65	ND	0.204		
PCB-24/27	ND	0.170			PCB-67	ND	0.195		
PCB-25	ND	0.270			PCB-68	0.408			J
PCB-26	0.703			J	PCB-73	ND	0.194		
PCB-28	ND		2.54		PCB-74	2.30			J
PCB-29	ND	0.269			PCB-76/66	5.58			
PCB-30	ND	0.174			PCB-77	2.65			
PCB-31	2.87				PCB-78	ND	0.196		
PCB-34	ND	0.274			PCB-79	1.52			J
PCB-35	ND	0.278			PCB-80	ND	0.172		
PCB-36	ND	0.273			PCB-81	ND	0.170		
PCB-37	3.08				PCB-82	4.43			
PCB-38	ND	0.261			PCB-83	ND	0.398		
PCB-39	ND	0.263			PCB-84/92	17.1			
PCB-40	0.539			J	PCB-85/116	16.6			
PCB-41/64/71/72	4.36			J	PCB-86	ND	0.615		
PCB-42/59	1.57			J	PCB-87/117/125	19.9			
PCB-43/49	10.6				PCB-88/91	6.23			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-02
Project:	Stiller Pond	Sample Size:	12.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:48	% Solids:	79.0	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 16:46
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.544			PCB-136	5.33			
PCB-90/101	68.3				PCB-137	4.87			
PCB-93	ND	0.554			PCB-138/163/164	99.9			
PCB-94	ND	0.559			PCB-139/149	59.8			
PCB-95/98/102	22.7				PCB-140	ND	0.568		
PCB-96	ND	0.414			PCB-141	14.0			
PCB-97	12.0				PCB-144	2.64			
PCB-99	35.6				PCB-145	ND	0.367		
PCB-100	ND	0.447			PCB-146/165	11.8			
PCB-103	ND	0.480			PCB-147	2.46			J
PCB-104	ND	0.351			PCB-148	ND	0.515		
PCB-105	27.1				PCB-150	ND	0.377		
PCB-106/118	63.9				PCB-151	16.7			
PCB-107/109	6.63				PCB-152	ND	0.369		
PCB-108/112	1.91			J	PCB-153	85.9			
PCB-110	75.2				PCB-154	1.02			J
PCB-111/115	1.38			J	PCB-155	ND	0.352		
PCB-113	ND	0.387			PCB-156	9.53			
PCB-114	1.24			J	PCB-157	3.29			
PCB-119	ND		1.12		PCB-158/160	9.20			
PCB-120	ND	0.349			PCB-159	ND	0.310		
PCB-121	ND	0.375			PCB-166	0.474			J
PCB-122	0.968			J	PCB-167	4.99			
PCB-123	ND		1.97		PCB-168	ND	0.309		
PCB-124	4.74				PCB-169	ND		0.303	
PCB-126	1.28			J	PCB-170	22.0			
PCB-127	ND	1.55			PCB-171	5.01			
PCB-128/162	18.1				PCB-172	4.63			
PCB-129	3.30				PCB-173	ND	0.315		
PCB-130	7.41				PCB-174	20.8			
PCB-131	ND	0.480			PCB-175	1.18			J
PCB-132/161	14.7				PCB-176	1.97			J
PCB-133/142	2.59			J	PCB-177	13.2			
PCB-134/143	3.05			J	PCB-178	7.66			
PCB-135	10.1				PCB-179	11.0			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-02
Project:	Stiller Pond	Sample Size:	12.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:48	% Solids:	79.0	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 16:46
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	47.4				Total octaCB	74.8		78.5	
PCB-181	ND	0.255			Total nonaCB	32.0			
PCB-182/187	37.5				DecaCB	53.6			
PCB-183	11.8				Total PCB	1220			
PCB-184	ND	0.234							
PCB-185	2.78								
PCB-186	ND	0.219							
PCB-188	ND	0.201							
PCB-189	1.26			J					
PCB-190	5.20								
PCB-191	ND		0.857						
PCB-192	ND	0.226							
PCB-193	2.81								
PCB-194	13.8								
PCB-195	5.15								
PCB-196/203	21.5								
PCB-197	ND		0.446						
PCB-198	ND		1.34						
PCB-199	23.8								
PCB-200	2.52								
PCB-201	ND		1.99						
PCB-202	7.07								
PCB-204	ND	0.317							
PCB-205	0.975			J					
PCB-206	19.7								
PCB-207	3.40								
PCB-208	8.85								
PCB-209	53.6								
Total monoCB	1.50			J					
Total diCB	ND	3.67							
Total triCB	9.00		14.1						
Total tetraCB	72.9		73.2						
Total pentaCB	387		390						
Total hexaCB	391								
Total heptaCB	196		197						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-02
Project:	Stiller Pond	Sample Size:	12.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:48	% Solids:	79.0	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 16:46
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	72.0	5 -145		13C-PCB-170	93.1	10 -145	
13C-PCB-3	89.9	5 -145		13C-PCB-180	87.8	10 -145	
13C-PCB-4	77.2	5 -145		13C-PCB-188	72.4	10 -145	
13C-PCB-11	89.2	5 -145		13C-PCB-189	89.4	10 -145	
13C-PCB-9	78.8	5 -145		13C-PCB-194	97.9	10 -145	
13C-PCB-19	84.5	5 -145		13C-PCB-202	60.8	10 -145	
13C-PCB-28	99.5	5 -145		13C-PCB-206	103	10 -145	
13C-PCB-32	88.0	5 -145		13C-PCB-208	93.5	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	98.8	10 -145	
13C-PCB-47	92.8	5 -145		CRS 13C-PCB-79	98.5	10 -145	
13C-PCB-52	93.0	5 -145		13C-PCB-178	81.4	10 -145	
13C-PCB-54	84.7	5 -145					
13C-PCB-70	96.8	5 -145					
13C-PCB-77	109	10 -145					
13C-PCB-80	94.2	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	93.6	10 -145					
13C-PCB-97	101	10 -145					
13C-PCB-101	98.3	10 -145					
13C-PCB-104	92.0	10 -145					
13C-PCB-105	92.0	10 -145					
13C-PCB-114	87.6	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	95.5	10 -145					
13C-PCB-127	93.3	10 -145					
13C-PCB-138	94.1	10 -145					
13C-PCB-141	94.0	10 -145					
13C-PCB-153	92.4	10 -145					
13C-PCB-155	69.3	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	99.7	10 -145					
13C-PCB-167	100	10 -145					
13C-PCB-169	111	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: Soil #2	QC Batch: B4B0113	Lab Sample: B4B0113-DUP1
Source LabNumber: 1400159-02	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 06-Mar-14 12:30 Column: ZB-1 Analyst: DMS
Matrix: Solid		
Sample Size: 12.7 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.603			PCB-41/64/71/72	4.09			J
PCB-2	0.536			J	PCB-42/59	1.44			J
PCB-3	ND		0.831		PCB-43/49	9.78			
PCB-4/10	ND	3.12			PCB-44	5.10			
PCB-5/8	ND	2.66			PCB-45	ND	0.296		
PCB-6	ND	2.67			PCB-46	ND	0.328		
PCB-7/9	ND	2.64			PCB-47	3.05			
PCB-11	3.42			J	PCB-48/75	ND		0.565	
PCB-12/13	ND	2.68			PCB-50	ND	0.271		
PCB-14	ND	2.24			PCB-51	ND	0.245		
PCB-15	2.69			J	PCB-52/69	11.1			
PCB-16/32	0.994			J	PCB-53	ND	0.242		
PCB-17	ND		0.463		PCB-54	ND	0.204		
PCB-18	ND		1.38		PCB-55	ND	0.201		
PCB-19	ND	0.256			PCB-56/60	6.08			
PCB-20/21/33	1.59			J	PCB-57	ND	0.189		
PCB-22	0.987			J	PCB-58	ND	0.200		
PCB-23	ND	0.207			PCB-61/70	15.9			
PCB-24/27	ND	0.181			PCB-62	ND	0.207		
PCB-25	ND	0.227			PCB-63	0.371			J
PCB-26	ND		0.631		PCB-65	ND	0.206		
PCB-28	2.69				PCB-67	ND	0.209		
PCB-29	ND	0.227			PCB-68	0.432			J
PCB-30	ND	0.171			PCB-73	ND	0.198		
PCB-31	3.30				PCB-74	2.13			J
PCB-34	ND	0.230			PCB-76/66	6.12			
PCB-35	ND	0.240			PCB-77	2.52			
PCB-36	ND	0.236			PCB-78	ND	0.200		
PCB-37	3.08				PCB-79	1.58			J
PCB-38	ND	0.225			PCB-80	ND	0.179		
PCB-39	ND	0.228			PCB-81	0.344			J
PCB-40	ND	0.353			PCB-82	4.67			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: Soil #2	QC Batch: B4B0113	Lab Sample: B4B0113-DUP1
Source LabNumber: 1400159-02	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 06-Mar-14 12:30 Column: ZB-1 Analyst: DMS
Matrix: Solid		
Sample Size: 12.7 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-83	ND	0.445			PCB-127	ND	2.49		
PCB-84/92	16.0				PCB-128/162	17.9			
PCB-85/116	16.1				PCB-129	3.88			
PCB-86	ND	0.687			PCB-130	7.59			
PCB-87/117/125	20.3				PCB-131	ND	0.473		
PCB-88/91	5.76				PCB-132/161	14.4			
PCB-89	ND	0.598			PCB-133/142	2.36			J
PCB-90/101	68.0				PCB-134/143	3.07			J
PCB-93	ND	0.589			PCB-135	10.0			
PCB-94	ND	0.594			PCB-136	4.81			
PCB-95/98/102	22.0				PCB-137	5.03			
PCB-96	ND	0.488			PCB-138/163/164	103			
PCB-97	12.1				PCB-139/149	60.8			
PCB-99	36.9				PCB-140	ND		0.651	
PCB-100	ND	0.528			PCB-141	15.1			
PCB-103	ND	0.567			PCB-144	2.50			
PCB-104	ND	0.414			PCB-145	ND	0.356		
PCB-105	28.4				PCB-146/165	12.1			
PCB-106/118	64.2				PCB-147	1.71			J
PCB-107/109	6.55				PCB-148	ND	0.500		
PCB-108/112	1.81			J	PCB-150	ND	0.366		
PCB-110	75.9				PCB-151	16.4			
PCB-111/115	1.12			J	PCB-152	ND	0.358		
PCB-113	ND	0.426			PCB-153	89.5			
PCB-114	1.24			J	PCB-154	1.04			J
PCB-119	1.27			J	PCB-155	ND	0.341		
PCB-120	0.411			J	PCB-156	10.0			
PCB-121	ND	0.398			PCB-157	3.27			
PCB-122	0.862			J	PCB-158/160	9.27			
PCB-123	2.49				PCB-159	ND	0.338		
PCB-124	4.19				PCB-166	0.540			J
PCB-126	1.21			J	PCB-167	5.04			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: Soil #2	QC Batch: B4B0113	Lab Sample: B4B0113-DUP1
Source LabNumber: 1400159-02	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 06-Mar-14 12:30 Column: ZB-1 Analyst: DMS
Matrix: Solid		
Sample Size: 12.7 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-168	ND	0.305			PCB-201	ND		2.20	
PCB-169	0.434			J	PCB-202	6.79			
PCB-170	22.3				PCB-204	ND	0.326		
PCB-171	ND		4.42		PCB-205	0.885			J
PCB-172	4.26				PCB-206	20.5			
PCB-173	ND		0.426		PCB-207	3.49			
PCB-174	20.6				PCB-208	8.95			
PCB-175	ND		0.737		PCB-209	52.4			
PCB-176	2.09			J	Total monoCB	0.536		1.37	J
PCB-177	13.4				Total diCB	6.11			
PCB-178	7.23				Total triCB	12.6		15.1	
PCB-179	10.3				Total tetraCB	70.0		70.6	
PCB-180	47.6				Total pentaCB	392			
PCB-181	ND	0.217			Total hexaCB	400			
PCB-182/187	37.6				Total heptaCB	190		196	
PCB-183	11.7				Total octaCB	74.1		77.8	
PCB-184	ND	0.211			Total nonaCB	32.9			
PCB-185	2.92				DecaCB	52.4			
PCB-186	ND	0.197			Total PCB	1230			
PCB-188	ND	0.181							
PCB-189	1.26			J					
PCB-190	4.99								
PCB-191	0.845			J					
PCB-192	ND	0.191							
PCB-193	3.00								
PCB-194	13.5								
PCB-195	5.18								
PCB-196/203	21.0								
PCB-197	ND		0.625						
PCB-198	ND		0.878						
PCB-199	24.1								
PCB-200	2.60								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: Soil #2	QC Batch: B4B0113	Lab Sample: B4B0113-DUP1
Source LabNumber: 1400159-02	Date Extracted: 27-Feb-2014 14:31	Date Analyzed: 06-Mar-14 12:30 Column: ZB-1 Analyst: DMS
Matrix: Solid		
Sample Size: 12.7 g		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	80.3	5-145		13C-PCB-156	103	10-145	
13C-PCB-3	88.4	5-145		13C-PCB-157	101	10-145	
13C-PCB-4	76.9	5-145		13C-PCB-159	97.8	10-145	
13C-PCB-11	87.3	5-145		13C-PCB-167	102	10-145	
13C-PCB-9	77.4	5-145		13C-PCB-169	111	10-145	
13C-PCB-19	90.1	5-145		13C-PCB-170	96.3	10-145	
13C-PCB-28	93.7	5-145		13C-PCB-180	91.8	10-145	
13C-PCB-32	89.0	5-145		13C-PCB-188	73.8	10-145	
13C-PCB-37	103	5-145		13C-PCB-189	91.9	10-145	
13C-PCB-47	94.3	5-145		13C-PCB-194	97.9	10-145	
13C-PCB-52	97.2	5-145		13C-PCB-202	64.6	10-145	
13C-PCB-54	89.7	5-145		13C-PCB-206	98.9	10-145	
13C-PCB-70	98.0	5-145		13C-PCB-208	94.2	10-145	
13C-PCB-77	105	10-145		13C-PCB-209	97.0	10-145	
13C-PCB-80	95.5	10-145		CRS 13C-PCB-79	101	10-145	
13C-PCB-81	103	10-145		13C-PCB-178	82.1	10-145	
13C-PCB-95	92.8	10-145					
13C-PCB-97	98.8	10-145					
13C-PCB-101	96.9	10-145					
13C-PCB-104	93.3	10-145					
13C-PCB-105	89.0	10-145					
13C-PCB-114	88.7	10-145					
13C-PCB-118	102	10-145					
13C-PCB-123	108	10-145					
13C-PCB-126	94.6	10-145					
13C-PCB-127	89.3	10-145					
13C-PCB-138	95.6	10-145					
13C-PCB-141	96.7	10-145					
13C-PCB-153	94.4	10-145					
13C-PCB-155	70.6	10-145					

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-03	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31
Date Collected:	24-Feb-2014 10:56	% Solids:	79.8	Date Analyzed :	06-Mar-14 17:51	Column:	ZB-1
				Analyst:	DMS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.03			J	PCB-44	4.03			
PCB-2	1.72			J	PCB-45	ND	0.434		
PCB-3	3.61				PCB-46	ND	0.481		
PCB-4/10	ND	4.89			PCB-47	5.39			
PCB-5/8	ND	4.08			PCB-48/75	0.538			J
PCB-6	ND	4.10			PCB-50	ND	0.397		
PCB-7/9	ND	4.05			PCB-51	ND	0.359		
PCB-11	7.23				PCB-52/69	7.61			
PCB-12/13	ND	3.89			PCB-53	ND	0.355		
PCB-14	ND	3.26			PCB-54	ND	0.299		
PCB-15	15.9				PCB-55	0.654			J
PCB-16/32	ND	0.207			PCB-56/60	9.97			
PCB-17	ND	0.239			PCB-57	ND	0.264		
PCB-18	1.36			J	PCB-58	ND	0.279		
PCB-19	ND	0.275			PCB-61/70	26.2			
PCB-20/21/33	2.00			J	PCB-62	ND	0.281		
PCB-22	1.54			J	PCB-63	0.638			J
PCB-23	ND	0.250			PCB-65	ND	0.280		
PCB-24/27	ND	0.180			PCB-67	ND	0.292		
PCB-25	0.584			J	PCB-68	0.788			J
PCB-26	0.949			J	PCB-73	ND	0.290		
PCB-28	6.16				PCB-74	3.96			
PCB-29	ND	0.273			PCB-76/66	14.5			
PCB-30	ND	0.183			PCB-77	5.70			
PCB-31	5.19				PCB-78	ND	0.273		
PCB-34	ND	0.278			PCB-79	3.64			
PCB-35	0.694			J	PCB-80	ND	0.240		
PCB-36	ND	0.246			PCB-81	0.327			J
PCB-37	6.95				PCB-82	8.61			
PCB-38	ND	0.235			PCB-83	ND	0.444		
PCB-39	ND	0.237			PCB-84/92	32.5			
PCB-40	ND	0.479			PCB-85/116	32.2			
PCB-41/64/71/72	4.45			J	PCB-86	ND	0.685		
PCB-42/59	1.45			J	PCB-87/117/125	37.3			
PCB-43/49	14.4				PCB-88/91	10.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-03
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B4B0113
Date Collected:	24-Feb-2014 10:56	% Solids:	79.8	Date Received:	25-Feb-2014 10:15
				Date Extracted:	27-Feb-2014 14:31
				Date Analyzed:	06-Mar-14 17:51
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.561			PCB-136	13.4			
PCB-90/101	131				PCB-137	10.5			
PCB-93	ND	0.554			PCB-138/163/164	237			
PCB-94	ND	0.559			PCB-139/149	152			
PCB-95/98/102	34.6				PCB-140	1.53			J
PCB-96	ND	0.416			PCB-141	31.3			
PCB-97	21.9				PCB-144	6.29			
PCB-99	83.1				PCB-145	ND	0.386		
PCB-100	0.468			J	PCB-146/165	32.5			
PCB-103	ND		0.584		PCB-147	4.95			
PCB-104	ND	0.353			PCB-148	ND	0.541		
PCB-105	54.8				PCB-150	ND	0.396		
PCB-106/118	127				PCB-151	40.6			
PCB-107/109	12.9				PCB-152	ND	0.387		
PCB-108/112	3.31			J	PCB-153	208			
PCB-110	130				PCB-154	2.78			
PCB-111/115	1.07			J	PCB-155	ND	0.369		
PCB-113	0.524			J	PCB-156	20.8			
PCB-114	1.76			J	PCB-157	7.26			
PCB-119	3.08				PCB-158/160	18.1			
PCB-120	1.34			J	PCB-159	ND	0.350		
PCB-121	ND	0.375			PCB-166	0.709			J
PCB-122	1.92			J	PCB-167	11.7			
PCB-123	4.40				PCB-168	0.367			J
PCB-124	8.91				PCB-169	ND	0.401		
PCB-126	2.49				PCB-170	55.0			
PCB-127	ND	1.06			PCB-171	12.8			
PCB-128/162	41.1				PCB-172	11.3			
PCB-129	7.65				PCB-173	1.29			J
PCB-130	18.4				PCB-174	50.8			
PCB-131	ND	0.490			PCB-175	2.38			J
PCB-132/161	36.7				PCB-176	5.34			
PCB-133/142	5.53				PCB-177	34.9			
PCB-134/143	5.85				PCB-178	18.1			
PCB-135	26.0				PCB-179	26.5			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-03	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 10:56	% Solids:	79.8	Date Analyzed :	06-Mar-14 17:51	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	114				Total octaCB	176			
PCB-181	0.472			J	Total nonaCB	44.2			
PCB-182/187	94.8				DecaCB	35.6			
PCB-183	29.8				Total PCB	2590			
PCB-184	ND	0.211							
PCB-185	6.86								
PCB-186	ND	0.197							
PCB-188	ND	0.181							
PCB-189	2.61								
PCB-190	12.2								
PCB-191	1.84			J					
PCB-192	ND	0.208							
PCB-193	7.39								
PCB-194	32.7								
PCB-195	12.5								
PCB-196/203	48.0								
PCB-197	1.32			J					
PCB-198	2.68								
PCB-199	52.6								
PCB-200	5.59								
PCB-201	5.60								
PCB-202	13.0								
PCB-204	ND	0.362							
PCB-205	1.93			J					
PCB-206	29.4								
PCB-207	3.80								
PCB-208	11.0								
PCB-209	35.6								
Total monoCB	6.36								
Total diCB	23.2								
Total triCB	25.4								
Total tetraCB	104								
Total pentaCB	746								
Total hexaCB	941								
Total heptaCB	488								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-03
Project:	Stiller Pond	Sample Size:	12.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 10:56	% Solids:	79.8	QC Batch:	B4B0113
				Date Analyzed :	06-Mar-14 17:51
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	82.2	5 -145		13C-PCB-170	96.1	10 -145	
13C-PCB-3	93.2	5 -145		13C-PCB-180	91.7	10 -145	
13C-PCB-4	79.5	5 -145		13C-PCB-188	75.4	10 -145	
13C-PCB-11	95.1	5 -145		13C-PCB-189	91.9	10 -145	
13C-PCB-9	79.9	5 -145		13C-PCB-194	99.2	10 -145	
13C-PCB-19	87.6	5 -145		13C-PCB-202	64.2	10 -145	
13C-PCB-28	95.2	5 -145		13C-PCB-206	106	10 -145	
13C-PCB-32	89.1	5 -145		13C-PCB-208	96.2	10 -145	
13C-PCB-37	110	5 -145		13C-PCB-209	108	10 -145	
13C-PCB-47	93.5	5 -145		CRS 13C-PCB-79	108	10 -145	
13C-PCB-52	93.3	5 -145		13C-PCB-178	83.2	10 -145	
13C-PCB-54	86.0	5 -145					
13C-PCB-70	94.2	5 -145					
13C-PCB-77	108	10 -145					
13C-PCB-80	96.8	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	97.0	10 -145					
13C-PCB-97	104	10 -145					
13C-PCB-101	102	10 -145					
13C-PCB-104	97.9	10 -145					
13C-PCB-105	90.0	10 -145					
13C-PCB-114	91.1	10 -145					
13C-PCB-118	104	10 -145					
13C-PCB-123	112	10 -145					
13C-PCB-126	101	10 -145					
13C-PCB-127	94.7	10 -145					
13C-PCB-138	99.8	10 -145					
13C-PCB-141	101	10 -145					
13C-PCB-153	96.2	10 -145					
13C-PCB-155	73.3	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	104	10 -145					
13C-PCB-159	105	10 -145					
13C-PCB-167	105	10 -145					
13C-PCB-169	109	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-04
Project:	Stiller Pond	Sample Size:	12.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:06	% Solids:	84.4	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 18:55
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.20			J	PCB-44	9.67			
PCB-2	0.828			J	PCB-45	0.524			J
PCB-3	1.89			J	PCB-46	ND	0.511		
PCB-4/10	ND	4.22			PCB-47	7.07			
PCB-5/8	3.84			J	PCB-48/75	1.93			J
PCB-6	ND	3.58			PCB-50	ND	0.421		
PCB-7/9	ND	3.53			PCB-51	ND	0.382		
PCB-11	ND	3.28			PCB-52/69	19.1			
PCB-12/13	ND	3.48			PCB-53	ND		0.443	
PCB-14	ND	2.91			PCB-54	ND	0.317		
PCB-15	8.73				PCB-55	0.571			J
PCB-16/32	2.62			J	PCB-56/60	11.0			
PCB-17	1.69			J	PCB-57	ND	0.267		
PCB-18	4.35				PCB-58	0.335			J
PCB-19	ND	0.382			PCB-61/70	34.4			
PCB-20/21/33	3.66			J	PCB-62	ND	0.308		
PCB-22	2.13			J	PCB-63	1.31			J
PCB-23	ND	0.284			PCB-65	ND	0.306		
PCB-24/27	ND	0.435			PCB-67	0.559			J
PCB-25	0.903			J	PCB-68	0.708			J
PCB-26	2.14			J	PCB-73	ND	0.308		
PCB-28	12.5				PCB-74	5.30			
PCB-29	ND	0.311			PCB-76/66	16.9			
PCB-30	ND	0.196			PCB-77	3.28			
PCB-31	9.68				PCB-78	ND	0.303		
PCB-34	ND	0.317			PCB-79	2.57			
PCB-35	0.529			J	PCB-80	ND	0.239		
PCB-36	ND	0.276			PCB-81	0.262			J
PCB-37	7.05				PCB-82	5.67			
PCB-38	ND		0.433		PCB-83	ND	0.516		
PCB-39	ND	0.267			PCB-84/92	25.6			
PCB-40	1.07			J	PCB-85/116	27.7			
PCB-41/64/71/72	11.9				PCB-86	ND	0.796		
PCB-42/59	2.80			J	PCB-87/117/125	29.4			
PCB-43/49	21.0				PCB-88/91	8.92			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-04
Project:	Stiller Pond	Sample Size:	12.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:06	% Solids:	84.4	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 18:55
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.718			PCB-136	9.43			
PCB-90/101	117				PCB-137	6.76			
PCB-93	ND	0.686			PCB-138/163/164	141			
PCB-94	ND	0.692			PCB-139/149	101			
PCB-95/98/102	29.6				PCB-140	1.06			J
PCB-96	ND	0.520			PCB-141	19.0			
PCB-97	18.6				PCB-144	5.21			
PCB-99	70.1				PCB-145	ND	0.491		
PCB-100	ND	0.562			PCB-146/165	18.9			
PCB-103	0.508			J	PCB-147	4.04			
PCB-104	ND	0.440			PCB-148	ND	0.689		
PCB-105	38.4				PCB-150	ND	0.505		
PCB-106/118	96.1				PCB-151	28.3			
PCB-107/109	11.5				PCB-152	ND	0.493		
PCB-108/112	2.47			J	PCB-153	123			
PCB-110	123				PCB-154	1.71			J
PCB-111/115	1.75			J	PCB-155	ND	0.470		
PCB-113	ND	0.511			PCB-156	13.3			
PCB-114	1.60			J	PCB-157	3.82			
PCB-119	3.09				PCB-158/160	13.0			
PCB-120	0.827			J	PCB-159	ND	0.301		
PCB-121	ND	0.464			PCB-166	0.657			J
PCB-122	0.952			J	PCB-167	6.16			
PCB-123	2.45			J	PCB-168	ND	0.293		
PCB-124	5.09				PCB-169	ND	0.209		
PCB-126	1.11			J	PCB-170	28.7			
PCB-127	ND	0.524			PCB-171	7.78			
PCB-128/162	25.6				PCB-172	5.61			
PCB-129	4.54				PCB-173	0.715			J
PCB-130	11.4				PCB-174	26.0			
PCB-131	ND	0.454			PCB-175	1.69			J
PCB-132/161	25.6				PCB-176	3.79			
PCB-133/142	3.47			J	PCB-177	18.1			
PCB-134/143	4.03			J	PCB-178	8.68			
PCB-135	16.3				PCB-179	15.1			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-04
Project:	Stiller Pond	Sample Size:	12.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:06	% Solids:	84.4	QC Batch:	B4B0113
				Date Analyzed :	06-Mar-14 18:55
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	58.7				Total octaCB	86.6			
PCB-181	0.279			J	Total nonaCB	17.9			
PCB-182/187	50.0				DecaCB	11.4			
PCB-183	17.6				Total PCB	1800			
PCB-184	ND	0.245							
PCB-185	3.55								
PCB-186	ND	0.229							
PCB-188	ND	0.210							
PCB-189	1.25			J					
PCB-190	6.31								
PCB-191	1.06			J					
PCB-192	ND	0.218							
PCB-193	3.40								
PCB-194	15.7								
PCB-195	6.37								
PCB-196/203	24.3								
PCB-197	0.739			J					
PCB-198	1.54			J					
PCB-199	25.0								
PCB-200	2.59								
PCB-201	2.89								
PCB-202	6.47								
PCB-204	ND	0.364							
PCB-205	1.09			J					
PCB-206	11.6								
PCB-207	1.76			J					
PCB-208	4.53								
PCB-209	11.4								
Total monoCB	3.91								
Total diCB	12.6								
Total triCB	47.3		47.7						
Total tetraCB	152		153						
Total pentaCB	622								
Total hexaCB	587								
Total heptaCB	258								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-04
Project:	Stiller Pond	Sample Size:	12.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:06	% Solids:	84.4	QC Batch:	B4B0113
				Date Analyzed:	06-Mar-14 18:55
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.2	5 -145		13C-PCB-170	88.9	10 -145	
13C-PCB-3	81.8	5 -145		13C-PCB-180	84.6	10 -145	
13C-PCB-4	67.9	5 -145		13C-PCB-188	67.9	10 -145	
13C-PCB-11	84.5	5 -145		13C-PCB-189	85.2	10 -145	
13C-PCB-9	70.0	5 -145		13C-PCB-194	90.6	10 -145	
13C-PCB-19	75.5	5 -145		13C-PCB-202	59.6	10 -145	
13C-PCB-28	90.1	5 -145		13C-PCB-206	98.2	10 -145	
13C-PCB-32	78.9	5 -145		13C-PCB-208	86.8	10 -145	
13C-PCB-37	103	5 -145		13C-PCB-209	99.2	10 -145	
13C-PCB-47	85.2	5 -145		CRS 13C-PCB-79	93.1	10 -145	
13C-PCB-52	84.3	5 -145		13C-PCB-178	77.5	10 -145	
13C-PCB-54	75.1	5 -145					
13C-PCB-70	91.7	5 -145					
13C-PCB-77	95.8	10 -145					
13C-PCB-80	90.2	10 -145					
13C-PCB-81	95.8	10 -145					
13C-PCB-95	86.9	10 -145					
13C-PCB-97	91.8	10 -145					
13C-PCB-101	89.6	10 -145					
13C-PCB-104	87.1	10 -145					
13C-PCB-105	82.1	10 -145					
13C-PCB-114	85.1	10 -145					
13C-PCB-118	96.0	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	86.3	10 -145					
13C-PCB-127	82.9	10 -145					
13C-PCB-138	89.0	10 -145					
13C-PCB-141	88.9	10 -145					
13C-PCB-153	86.2	10 -145					
13C-PCB-155	65.4	10 -145					
13C-PCB-156	94.8	10 -145					
13C-PCB-157	94.6	10 -145					
13C-PCB-159	95.3	10 -145					
13C-PCB-167	96.1	10 -145					
13C-PCB-169	100	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-05
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:15	% Solids:	76.5	QC Batch:	B4B0113
				Date Analyzed:	07-Mar-14 18:50
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.72			J	PCB-44	27.4			
PCB-2	3.21				PCB-45	2.19			J
PCB-3	6.60				PCB-46	1.03			J
PCB-4/10	ND	2.77			PCB-47	20.6			
PCB-5/8	7.61			J	PCB-48/75	3.55			J
PCB-6	ND	2.26			PCB-50	ND	0.592		
PCB-7/9	ND	2.23			PCB-51	ND		0.588	
PCB-11	10.5				PCB-52/69	48.8			
PCB-12/13	ND	3.08			PCB-53	1.96			J
PCB-14	ND	1.92			PCB-54	ND	0.446		
PCB-15	33.3				PCB-55	2.44			J
PCB-16/32	2.14			J	PCB-56/60	44.2			
PCB-17	1.46			J	PCB-57	0.346			J
PCB-18	3.86				PCB-58	1.40			J
PCB-19	ND	0.789			PCB-61/70	134			
PCB-20/21/33	7.40			J	PCB-62	ND	0.438		
PCB-22	4.60				PCB-63	3.47			
PCB-23	ND	0.572			PCB-65	ND	0.435		
PCB-24/27	ND	0.418			PCB-67	1.52			J
PCB-25	1.73			J	PCB-68	2.11			J
PCB-26	3.33				PCB-73	ND	0.408		
PCB-28	24.3				PCB-74	21.4			
PCB-29	ND	0.625			PCB-76/66	71.3			
PCB-30	ND	0.251			PCB-77	21.1			
PCB-31	16.9				PCB-78	ND	0.451		
PCB-34	ND	0.636			PCB-79	9.04			
PCB-35	1.38			J	PCB-80	ND	0.342		
PCB-36	ND	0.612			PCB-81	0.692			J
PCB-37	25.7				PCB-82	34.8			
PCB-38	0.948			J	PCB-83	ND	0.557		
PCB-39	ND	0.368			PCB-84/92	121			
PCB-40	3.81				PCB-85/116	94.7			
PCB-41/64/71/72	28.0				PCB-86	ND	0.859		
PCB-42/59	9.13				PCB-87/117/125	135			
PCB-43/49	64.8				PCB-88/91	37.8			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-05	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond	Sample Size:	13.1 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31
Date Collected:	24-Feb-2014 11:15	% Solids:	76.5	Date Analyzed:	07-Mar-14 18:50	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		0.701		PCB-136	42.5			
PCB-90/101	439				PCB-137	20.9			
PCB-93	ND	0.797			PCB-138/163/164	547			
PCB-94	ND	0.804			PCB-139/149	414			
PCB-95/98/102	166				PCB-140	4.12			
PCB-96	ND	0.611			PCB-141	78.9			
PCB-97	91.5				PCB-144	19.5			
PCB-99	240				PCB-145	ND	0.611		
PCB-100	1.13			J	PCB-146/165	70.1			
PCB-103	ND		1.79		PCB-147	12.4			
PCB-104	ND	0.518			PCB-148	0.577			J
PCB-105	143				PCB-150	ND	0.627		
PCB-106/118	447				PCB-151	108			
PCB-107/109	45.4				PCB-152	ND	0.613		
PCB-108/112	13.8				PCB-153	478			
PCB-110	481				PCB-154	7.11			
PCB-111/115	4.18			J	PCB-155	ND	0.584		
PCB-113	0.628			J	PCB-156	60.8			
PCB-114	5.48				PCB-157	14.1			
PCB-119	9.04				PCB-158/160	43.3			
PCB-120	3.42				PCB-159	ND	0.550		
PCB-121	ND	0.540			PCB-166	2.09			J
PCB-122	5.32				PCB-167	28.8			
PCB-123	10.3				PCB-168	ND		0.535	
PCB-124	23.7				PCB-169	0.493			J
PCB-126	4.96				PCB-170	136			
PCB-127	ND	0.719			PCB-171	34.5			
PCB-128/162	97.3				PCB-172	26.5			
PCB-129	17.6				PCB-173	3.10			
PCB-130	39.8				PCB-174	122			
PCB-131	ND	0.719			PCB-175	6.06			
PCB-132/161	105				PCB-176	13.4			
PCB-133/142	12.8				PCB-177	80.7			
PCB-134/143	16.2				PCB-178	37.6			
PCB-135	70.9				PCB-179	60.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-05	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	13.1 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 11:15	% Solids:	76.5	Date Analyzed :	07-Mar-14 18:50	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	278				Total octaCB	437			
PCB-181	1.48			J	Total nonaCB	106			
PCB-182/187	202				DecaCB	66.9			
PCB-183	65.5				Total PCB	7300			
PCB-184	0.359			J					
PCB-185	15.4								
PCB-186	ND	0.281							
PCB-188	0.334			J					
PCB-189	5.53								
PCB-190	29.0								
PCB-191	4.95								
PCB-192	ND	0.330							
PCB-193	16.0								
PCB-194	74.2								
PCB-195	26.0								
PCB-196/203	131								
PCB-197	3.81								
PCB-198	7.60								
PCB-199	137								
PCB-200	13.7								
PCB-201	12.5								
PCB-202	27.6								
PCB-204	ND	0.528							
PCB-205	4.00								
PCB-206	72.2								
PCB-207	8.70								
PCB-208	25.0								
PCB-209	66.9								
Total monoCB	11.5								
Total diCB	51.4								
Total triCB	93.8								
Total tetraCB	524		525						
Total pentaCB	2560								
Total hexaCB	2310								
Total heptaCB	1140								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-05
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:15	% Solids:	76.5	QC Batch:	B4B0113
				Date Analyzed:	07-Mar-14 18:50
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	79.1	5 -145		13C-PCB-170	89.2	10 -145	
13C-PCB-3	91.3	5 -145		13C-PCB-180	84.9	10 -145	
13C-PCB-4	63.2	5 -145		13C-PCB-188	84.6	10 -145	
13C-PCB-11	79.5	5 -145		13C-PCB-189	92.3	10 -145	
13C-PCB-9	65.7	5 -145		13C-PCB-194	99.9	10 -145	
13C-PCB-19	103	5 -145		13C-PCB-202	66.9	10 -145	
13C-PCB-28	89.7	5 -145		13C-PCB-206	114	10 -145	
13C-PCB-32	111	5 -145		13C-PCB-208	99.2	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	131	10 -145	
13C-PCB-47	83.6	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	83.2	5 -145		13C-PCB-178	100	10 -145	
13C-PCB-54	75.2	5 -145					
13C-PCB-70	87.0	5 -145					
13C-PCB-77	99.6	10 -145					
13C-PCB-80	86.8	10 -145					
13C-PCB-81	89.7	10 -145					
13C-PCB-95	83.4	10 -145					
13C-PCB-97	90.3	10 -145					
13C-PCB-101	88.8	10 -145					
13C-PCB-104	83.5	10 -145					
13C-PCB-105	70.2	10 -145					
13C-PCB-114	69.9	10 -145					
13C-PCB-118	93.3	10 -145					
13C-PCB-123	97.6	10 -145					
13C-PCB-126	74.5	10 -145					
13C-PCB-127	70.5	10 -145					
13C-PCB-138	96.4	10 -145					
13C-PCB-141	97.6	10 -145					
13C-PCB-153	93.3	10 -145					
13C-PCB-155	67.3	10 -145					
13C-PCB-156	88.9	10 -145					
13C-PCB-157	89.1	10 -145					
13C-PCB-159	96.6	10 -145					
13C-PCB-167	91.3	10 -145					
13C-PCB-169	95.0	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-06
Project:	Stiller Pond	Sample Size:	12.9 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:24	% Solids:	78.7	QC Batch:	B4B0113
				Date Analyzed:	07-Mar-14 19:54
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	2.78				PCB-44	45.6			
PCB-2	3.67				PCB-45	1.65			J
PCB-3	9.70				PCB-46	ND	0.807		
PCB-4/10	ND	2.83			PCB-47	29.8			
PCB-5/8	11.8				PCB-48/75	6.23			
PCB-6	2.20			J	PCB-50	ND	0.657		
PCB-7/9	ND	2.36			PCB-51	ND	0.603		
PCB-11	11.5				PCB-52/69	102			
PCB-12/13	5.82			J	PCB-53	1.61			J
PCB-14	ND	1.95			PCB-54	ND	0.494		
PCB-15	49.2				PCB-55	3.20			
PCB-16/32	3.03			J	PCB-56/60	65.4			
PCB-17	ND		1.83		PCB-57	0.679			J
PCB-18	5.32				PCB-58	2.25			J
PCB-19	ND	0.312			PCB-61/70	196			
PCB-20/21/33	11.2				PCB-62	ND	0.506		
PCB-22	7.24				PCB-63	6.23			
PCB-23	ND	0.376			PCB-65	ND	0.504		
PCB-24/27	0.557			J	PCB-67	2.32			J
PCB-25	2.44			J	PCB-68	3.26			
PCB-26	4.58				PCB-73	ND	0.487		
PCB-28	38.0				PCB-74	29.8			
PCB-29	ND	0.412			PCB-76/66	104			
PCB-30	ND	0.208			PCB-77	26.9			
PCB-31	24.8				PCB-78	ND	0.450		
PCB-34	ND	0.419			PCB-79	11.6			
PCB-35	1.76			J	PCB-80	ND	0.403		
PCB-36	ND	0.481			PCB-81	1.47			J
PCB-37	32.7				PCB-82	43.6			
PCB-38	0.972			J	PCB-83	0.180			J
PCB-39	ND		0.590		PCB-84/92	165			
PCB-40	4.49				PCB-85/116	126			
PCB-41/64/71/72	52.0				PCB-86	ND	0.957		
PCB-42/59	14.0				PCB-87/117/125	172			
PCB-43/49	104				PCB-88/91	56.4			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-06
Project:	Stiller Pond	Sample Size:	12.9 g	QC Batch:	B4B0113
Date Collected:	24-Feb-2014 11:24	% Solids:	78.7	Date Received:	25-Feb-2014 10:15
				Date Extracted:	27-Feb-2014 14:31
				Date Analyzed:	07-Mar-14 19:54
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	0.985			J	PCB-136	66.6			
PCB-90/101	632				PCB-137	37.0			
PCB-93	ND	0.922			PCB-138/163/164	778			
PCB-94	ND		0.571		PCB-139/149	551			
PCB-95/98/102	263				PCB-140	4.60			
PCB-96	0.620			J	PCB-141	109			
PCB-97	125				PCB-144	29.1			
PCB-99	326				PCB-145	ND	0.621		
PCB-100	1.34			J	PCB-146/165	107			
PCB-103	3.04				PCB-147	19.5			
PCB-104	ND	0.585			PCB-148	ND	0.870		
PCB-105	187				PCB-150	0.617			J
PCB-106/118	580				PCB-151	155			
PCB-107/109	67.8				PCB-152	ND	0.623		
PCB-108/112	18.2				PCB-153	668			
PCB-110	673				PCB-154	9.07			
PCB-111/115	7.76				PCB-155	ND	0.594		
PCB-113	ND	0.656			PCB-156	76.0			
PCB-114	8.32				PCB-157	17.0			
PCB-119	12.9				PCB-158/160	63.6			
PCB-120	4.12				PCB-159	ND	0.630		
PCB-121	ND	0.624			PCB-166	3.44			
PCB-122	6.97				PCB-167	33.7			
PCB-123	12.4				PCB-168	1.05			J
PCB-124	27.7				PCB-169	0.361			J
PCB-126	5.56				PCB-170	173			
PCB-127	ND	0.719			PCB-171	46.8			
PCB-128/162	144				PCB-172	34.4			
PCB-129	26.7				PCB-173	4.12			
PCB-130	56.3				PCB-174	160			
PCB-131	ND	0.914			PCB-175	8.22			
PCB-132/161	162				PCB-176	20.1			
PCB-133/142	20.2				PCB-177	105			
PCB-134/143	27.3				PCB-178	48.8			
PCB-135	92.9				PCB-179	81.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-06
Project:	Stiller Pond	Sample Size:	12.9 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:24	% Solids:	78.7	QC Batch:	B4B0113
				Date Analyzed:	07-Mar-14 19:54
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	371				Total octaCB	534			
PCB-181	ND		0.936		Total nonaCB	143			
PCB-182/187	282				DecaCB	97.8			
PCB-183	105				Total PCB	10100			
PCB-184	ND	0.290							
PCB-185	19.6								
PCB-186	ND	0.403							
PCB-188	0.416			J					
PCB-189	7.39								
PCB-190	36.9								
PCB-191	5.28								
PCB-192	ND	0.414							
PCB-193	21.1								
PCB-194	96.7								
PCB-195	33.8								
PCB-196/203	155								
PCB-197	5.01								
PCB-198	7.93								
PCB-199	159								
PCB-200	17.3								
PCB-201	19.2								
PCB-202	36.0								
PCB-204	ND	0.562							
PCB-205	4.59								
PCB-206	96.5								
PCB-207	12.7								
PCB-208	33.9								
PCB-209	97.8								
Total monoCB	16.2								
Total diCB	80.5								
Total triCB	133		135						
Total tetraCB	815								
Total pentaCB	3530								
Total hexaCB	3260								
Total heptaCB	1530								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-06
Project:	Stiller Pond	Sample Size:	12.9 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:24	% Solids:	78.7	QC Batch:	B4B0113
				Date Analyzed:	07-Mar-14 19:54
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	84.9	5 -145		13C-PCB-170	99.6	10 -145	
13C-PCB-3	117	5 -145		13C-PCB-180	95.1	10 -145	
13C-PCB-4	77.6	5 -145		13C-PCB-188	80.8	10 -145	
13C-PCB-11	95.5	5 -145		13C-PCB-189	96.9	10 -145	
13C-PCB-9	81.6	5 -145		13C-PCB-194	108	10 -145	
13C-PCB-19	123	5 -145		13C-PCB-202	71.2	10 -145	
13C-PCB-28	104	5 -145		13C-PCB-206	121	10 -145	
13C-PCB-32	104	5 -145		13C-PCB-208	109	10 -145	
13C-PCB-37	111	5 -145		13C-PCB-209	127	10 -145	
13C-PCB-47	92.6	5 -145		CRS 13C-PCB-79	108	10 -145	
13C-PCB-52	90.8	5 -145		13C-PCB-178	92.5	10 -145	
13C-PCB-54	86.0	5 -145					
13C-PCB-70	96.1	5 -145					
13C-PCB-77	112	10 -145					
13C-PCB-80	97.4	10 -145					
13C-PCB-81	112	10 -145					
13C-PCB-95	92.0	10 -145					
13C-PCB-97	103	10 -145					
13C-PCB-101	98.7	10 -145					
13C-PCB-104	92.6	10 -145					
13C-PCB-105	87.3	10 -145					
13C-PCB-114	85.0	10 -145					
13C-PCB-118	105	10 -145					
13C-PCB-123	111	10 -145					
13C-PCB-126	88.0	10 -145					
13C-PCB-127	88.3	10 -145					
13C-PCB-138	98.6	10 -145					
13C-PCB-141	99.6	10 -145					
13C-PCB-153	97.3	10 -145					
13C-PCB-155	76.9	10 -145					
13C-PCB-156	103	10 -145					
13C-PCB-157	103	10 -145					
13C-PCB-159	104	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	108	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1400159-07	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond		Sample Size:	13.3 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31
Date Collected:	24-Feb-2014 11:32		% Solids:	76.1	Date Analyzed :	07-Mar-14 20:59	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.30			J	PCB-44	17.0			
PCB-2	3.39				PCB-45	0.801			J
PCB-3	4.07				PCB-46	ND	0.625		
PCB-4/10	ND	2.02			PCB-47	17.8			
PCB-5/8	4.53			J	PCB-48/75	2.39			J
PCB-6	ND	1.77			PCB-50	ND	0.541		
PCB-7/9	ND	1.74			PCB-51	ND	0.467		
PCB-11	28.8				PCB-52/69	35.2			
PCB-12/13	ND	3.08			PCB-53	ND		0.512	
PCB-14	ND	1.38			PCB-54	ND	0.407		
PCB-15	26.8				PCB-55	1.99			J
PCB-16/32	1.77			J	PCB-56/60	41.9			
PCB-17	1.33			J	PCB-57	ND		0.345	
PCB-18	3.10				PCB-58	1.49			J
PCB-19	ND	0.436			PCB-61/70	139			
PCB-20/21/33	7.12			J	PCB-62	ND	0.406		
PCB-22	4.55				PCB-63	3.00			
PCB-23	ND	0.396			PCB-65	ND	0.404		
PCB-24/27	ND	0.252			PCB-67	1.63			J
PCB-25	1.72			J	PCB-68	2.74			
PCB-26	3.27				PCB-73	ND	0.377		
PCB-28	22.0				PCB-74	22.1			
PCB-29	ND	0.434			PCB-76/66	70.6			
PCB-30	ND	0.218			PCB-77	23.6			
PCB-31	15.7				PCB-78	ND	0.389		
PCB-34	ND	0.441			PCB-79	9.22			
PCB-35	2.07			J	PCB-80	ND	0.333		
PCB-36	ND	0.409			PCB-81	1.40			J
PCB-37	25.5				PCB-82	31.3			
PCB-38	0.551			J	PCB-83	ND	0.572		
PCB-39	ND		0.333		PCB-84/92	106			
PCB-40	1.82			J	PCB-85/116	92.4			
PCB-41/64/71/72	20.8				PCB-86	ND	0.883		
PCB-42/59	5.92				PCB-87/117/125	127			
PCB-43/49	56.7				PCB-88/91	32.8			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-07	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	13.3 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 11:32	% Solids:	76.1	Date Analyzed :	07-Mar-14 20:59	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		0.561		PCB-136	39.3			
PCB-90/101	437				PCB-137	27.6			
PCB-93	ND	0.833			PCB-138/163/164	619			
PCB-94	ND	0.843			PCB-139/149	405			
PCB-95/98/102	121				PCB-140	3.72			
PCB-96	ND	0.644			PCB-141	81.8			
PCB-97	76.5				PCB-144	20.0			
PCB-99	235				PCB-145	ND	0.653		
PCB-100	1.03			J	PCB-146/165	82.0			
PCB-103	2.32			J	PCB-147	14.4			
PCB-104	ND	0.546			PCB-148	0.644			J
PCB-105	169				PCB-150	ND	0.547		
PCB-106/118	424				PCB-151	101			
PCB-107/109	48.3				PCB-152	ND	0.656		
PCB-108/112	11.6				PCB-153	502			
PCB-110	445				PCB-154	6.72			
PCB-111/115	4.05			J	PCB-155	ND	0.855		
PCB-113	ND	0.607			PCB-156	62.4			
PCB-114	4.79				PCB-157	17.5			
PCB-119	8.57				PCB-158/160	53.9			
PCB-120	3.18				PCB-159	ND	0.468		
PCB-121	ND	0.565			PCB-166	1.80			J
PCB-122	4.80				PCB-167	31.2			
PCB-123	10.8				PCB-168	0.786			J
PCB-124	25.3				PCB-169	ND	0.481		
PCB-126	6.12				PCB-170	133			
PCB-127	ND	0.798			PCB-171	33.2			
PCB-128/162	107				PCB-172	26.6			
PCB-129	20.3				PCB-173	2.61			
PCB-130	48.6				PCB-174	113			
PCB-131	ND	0.652			PCB-175	5.84			
PCB-132/161	113				PCB-176	12.7			
PCB-133/142	15.5				PCB-177	78.2			
PCB-134/143	16.0				PCB-178	37.0			
PCB-135	65.3				PCB-179	54.8			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-07
Project:	Stiller Pond	Sample Size:	13.3 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:32	% Solids:	76.1	QC Batch:	B4B0113
				Date Analyzed :	07-Mar-14 20:59
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	264				Total octaCB	389			
PCB-181	ND		0.823		Total nonaCB	101			
PCB-182/187	207				DecaCB	67.2			
PCB-183	73.8				Total PCB	7190			
PCB-184	0.343			J					
PCB-185	15.7								
PCB-186	ND	0.340							
PCB-188	0.439			J					
PCB-189	5.96								
PCB-190	28.3								
PCB-191	4.95								
PCB-192	ND	0.340							
PCB-193	17.4								
PCB-194	69.2								
PCB-195	25.9								
PCB-196/203	111								
PCB-197	3.70								
PCB-198	4.83								
PCB-199	120								
PCB-200	11.8								
PCB-201	11.7								
PCB-202	26.7								
PCB-204	ND	0.607							
PCB-205	3.87								
PCB-206	67.5								
PCB-207	9.54								
PCB-208	23.6								
PCB-209	67.2								
Total monoCB	8.77								
Total diCB	60.1								
Total triCB	88.7		89.0						
Total tetraCB	477		478						
Total pentaCB	2430								
Total hexaCB	2460								
Total heptaCB	1120								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-07
Project:	Stiller Pond	Sample Size:	13.3 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:32	% Solids:	76.1	QC Batch:	B4B0113
				Date Analyzed:	07-Mar-14 20:59
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	79.8	5 -145		13C-PCB-170	97.5	10 -145	
13C-PCB-3	90.3	5 -145		13C-PCB-180	90.8	10 -145	
13C-PCB-4	68.7	5 -145		13C-PCB-188	75.8	10 -145	
13C-PCB-11	86.0	5 -145		13C-PCB-189	94.4	10 -145	
13C-PCB-9	71.3	5 -145		13C-PCB-194	96.5	10 -145	
13C-PCB-19	99.1	5 -145		13C-PCB-202	67.6	10 -145	
13C-PCB-28	101	5 -145		13C-PCB-206	110	10 -145	
13C-PCB-32	94.8	5 -145		13C-PCB-208	97.8	10 -145	
13C-PCB-37	113	5 -145		13C-PCB-209	118	10 -145	
13C-PCB-47	88.2	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	92.5	5 -145		13C-PCB-178	87.5	10 -145	
13C-PCB-54	83.4	5 -145					
13C-PCB-70	92.6	5 -145					
13C-PCB-77	103	10 -145					
13C-PCB-80	92.6	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	88.7	10 -145					
13C-PCB-97	97.6	10 -145					
13C-PCB-101	93.8	10 -145					
13C-PCB-104	87.2	10 -145					
13C-PCB-105	79.9	10 -145					
13C-PCB-114	83.7	10 -145					
13C-PCB-118	99.9	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	84.8	10 -145					
13C-PCB-127	86.0	10 -145					
13C-PCB-138	91.6	10 -145					
13C-PCB-141	94.6	10 -145					
13C-PCB-153	93.0	10 -145					
13C-PCB-155	72.8	10 -145					
13C-PCB-156	98.2	10 -145					
13C-PCB-157	99.6	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	97.8	10 -145					
13C-PCB-169	105	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-10
Project:	Stiller Pond	Sample Size:	14.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 12:02	% Solids:	72.8	QC Batch:	B4B0113
				Date Analyzed :	08-Mar-14 06:50
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	5.40				PCB-44	128			
PCB-2	7.16				PCB-45	3.45			
PCB-3	9.32				PCB-46	1.34			J
PCB-4/10	8.08			J	PCB-47	58.2			
PCB-5/8	20.1				PCB-48/75	15.8			
PCB-6	4.76			J	PCB-50	ND	0.776		
PCB-7/9	3.37			J	PCB-51	0.676			J
PCB-11	45.0				PCB-52/69	287			
PCB-12/13	10.4				PCB-53	4.49			
PCB-14	ND	2.51			PCB-54	ND	0.584		
PCB-15	89.4				PCB-55	9.29			
PCB-16/32	6.72			J	PCB-56/60	139			
PCB-17	5.39				PCB-57	1.66			J
PCB-18	14.6				PCB-58	3.83			
PCB-19	0.851			J	PCB-61/70	429			
PCB-20/21/33	30.2				PCB-62	ND	0.599		
PCB-22	12.9				PCB-63	17.5			
PCB-23	ND	0.517			PCB-65	ND	0.596		
PCB-24/27	1.63			J	PCB-67	6.24			
PCB-25	5.19				PCB-68	7.06			
PCB-26	10.9				PCB-73	ND	0.594		
PCB-28	67.8				PCB-74	77.9			
PCB-29	ND	0.566			PCB-76/66	211			
PCB-30	ND	0.256			PCB-77	59.9			
PCB-31	53.4				PCB-78	ND	0.536		
PCB-34	0.541			J	PCB-79	33.3			
PCB-35	5.01				PCB-80	ND	0.469		
PCB-36	ND	0.565			PCB-81	2.22			J
PCB-37	82.5				PCB-82	144			
PCB-38	3.05				PCB-83	ND	0.559		
PCB-39	1.31			J	PCB-84/92	519			
PCB-40	11.9				PCB-85/116	394			
PCB-41/64/71/72	150				PCB-86	ND	0.862		
PCB-42/59	30.7				PCB-87/117/125	594			
PCB-43/49	232				PCB-88/91	175			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-10
Project:	Stiller Pond	Sample Size:	14.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 12:02	% Solids:	72.8	QC Batch:	B4B0113
				Date Analyzed:	08-Mar-14 06:50
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	2.82				PCB-136	193			
PCB-90/101	2100				PCB-137	99.8			
PCB-93	ND	0.756			PCB-138/163/164	2400			
PCB-94	2.76				PCB-139/149	1660			
PCB-95/98/102	840				PCB-140	15.0			
PCB-96	2.37			J	PCB-141	348			
PCB-97	450				PCB-144	97.2			
PCB-99	963				PCB-145	0.540			J
PCB-100	3.70				PCB-146/165	302			
PCB-103	10.9				PCB-147	61.8			
PCB-104	ND	0.485			PCB-148	ND	0.913		
PCB-105	640				PCB-150	2.13			J
PCB-106/118	1640				PCB-151	436			J
PCB-107/109	199				PCB-152	1.40			
PCB-108/112	61.4				PCB-153	1900			
PCB-110	2080				PCB-154	22.2			
PCB-111/115	31.3				PCB-155	ND	0.623		
PCB-113	ND	0.559			PCB-156	259			
PCB-114	36.6				PCB-157	62.2			
PCB-119	40.9				PCB-158/160	252			
PCB-120	9.40				PCB-159	ND	0.884		
PCB-121	ND	0.512			PCB-166	11.6			
PCB-122	19.1				PCB-167	108			
PCB-123	39.7				PCB-168	2.07			J
PCB-124	94.0				PCB-169	0.986			J
PCB-126	20.4				PCB-170	500			
PCB-127	ND	1.07			PCB-171	139			
PCB-128/162	428				PCB-172	96.5			
PCB-129	87.0				PCB-173	11.2			
PCB-130	181				PCB-174	415			
PCB-131	ND	1.24			PCB-175	22.7			
PCB-132/161	487				PCB-176	53.3			
PCB-133/142	57.4				PCB-177	300			
PCB-134/143	78.9				PCB-178	128			
PCB-135	278				PCB-179	197			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-10	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	14.0 g	QC Batch:	B4B0113	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 12:02	% Solids:	72.8	Date Analyzed :	08-Mar-14 06:50	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	959				Total octaCB	1190			
PCB-181	5.12				Total nonaCB	254			
PCB-182/187	700				DecaCB	162			
PCB-183	281				Total PCB	29000			
PCB-184	1.05			J					
PCB-185	55.8								
PCB-186	ND	0.419							
PCB-188	1.25			J					
PCB-189	20.6								
PCB-190	103								
PCB-191	17.5								
PCB-192	ND	0.467							
PCB-193	54.9								
PCB-194	221								
PCB-195	87.1								
PCB-196/203	347								
PCB-197	11.5								
PCB-198	18.1								
PCB-199	336								
PCB-200	35.4								
PCB-201	41.3								
PCB-202	77.5								
PCB-204	ND	0.618							
PCB-205	11.6								
PCB-206	171								
PCB-207	24.2								
PCB-208	58.6								
PCB-209	162								
Total monoCB	21.9								
Total diCB	181								
Total triCB	302								
Total tetraCB	1920								
Total pentaCB	11100								
Total hexaCB	9840								
Total heptaCB	4060								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-10 Date Received: 25-Feb-2014 10:15
Project:	Stiller Pond	Sample Size:	14.0 g	QC Batch:	B4B0113 Date Extracted: 27-Feb-2014 14:31
Date Collected:	24-Feb-2014 12:02	% Solids:	72.8	Date Analyzed :	08-Mar-14 06:50 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	88.7	5 -145		13C-PCB-170	96.5	10 -145	
13C-PCB-3	104	5 -145		13C-PCB-180	90.8	10 -145	
13C-PCB-4	70.9	5 -145		13C-PCB-188	80.1	10 -145	
13C-PCB-11	85.9	5 -145		13C-PCB-189	91.5	10 -145	
13C-PCB-9	72.4	5 -145		13C-PCB-194	99.0	10 -145	
13C-PCB-19	93.1	5 -145		13C-PCB-202	71.5	10 -145	
13C-PCB-28	94.9	5 -145		13C-PCB-206	110	10 -145	
13C-PCB-32	95.1	5 -145		13C-PCB-208	97.4	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	116	10 -145	
13C-PCB-47	82.3	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	79.6	5 -145		13C-PCB-178	90.4	10 -145	
13C-PCB-54	78.0	5 -145					
13C-PCB-70	89.8	5 -145					
13C-PCB-77	95.3	10 -145					
13C-PCB-80	88.7	10 -145					
13C-PCB-81	99.2	10 -145					
13C-PCB-95	88.6	10 -145					
13C-PCB-97	94.2	10 -145					
13C-PCB-101	94.1	10 -145					
13C-PCB-104	87.0	10 -145					
13C-PCB-105	82.5	10 -145					
13C-PCB-114	83.9	10 -145					
13C-PCB-118	98.2	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	90.8	10 -145					
13C-PCB-127	87.3	10 -145					
13C-PCB-138	95.0	10 -145					
13C-PCB-141	97.5	10 -145					
13C-PCB-153	97.1	10 -145					
13C-PCB-155	73.0	10 -145					
13C-PCB-156	99.7	10 -145					
13C-PCB-157	98.6	10 -145					
13C-PCB-159	97.7	10 -145					
13C-PCB-167	100	10 -145					
13C-PCB-169	102	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0115	Lab Sample: B4B0115-BLK1
Sample Size: 10.0 g	Date Extracted: 28-Feb-2014 8:55	Date Analyzed: 06-Mar-14 11:25 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.590			PCB-43/49	ND	0.271		
PCB-2	ND	0.657			PCB-44	ND	0.315		
PCB-3	ND	0.642			PCB-45	ND	0.304		
PCB-4/10	ND	3.56			PCB-46	ND	0.336		
PCB-5/8	ND	3.08			PCB-47	ND	0.266		
PCB-6	ND	3.09			PCB-48/75	ND	0.215		
PCB-7/9	ND	3.05			PCB-50	ND	0.269		
PCB-11	ND	3.10			PCB-51	ND	0.251		
PCB-12/13	ND	3.29			PCB-52/69	ND	0.230		
PCB-14	ND	2.76			PCB-53	ND	0.248		
PCB-15	ND	3.22			PCB-54	ND	0.203		
PCB-16/32	ND	0.255			PCB-55	ND	0.198		
PCB-17	ND	0.293			PCB-56/60	0.509			J
PCB-18	ND	0.316			PCB-57	ND	0.186		
PCB-19	ND	0.302			PCB-58	ND	0.197		
PCB-20/21/33	ND	0.230			PCB-61/70	ND	0.200		
PCB-22	ND	0.218			PCB-62	ND	0.217		
PCB-23	ND	0.214			PCB-63	ND	0.190		
PCB-24/27	ND	0.221			PCB-65	ND	0.216		
PCB-25	ND	0.235			PCB-67	ND	0.206		
PCB-26	ND	0.245			PCB-68	ND	0.195		
PCB-28	ND	0.206			PCB-73	ND	0.203		
PCB-29	ND	0.234			PCB-74	ND	0.173		
PCB-30	ND	0.201			PCB-76/66	ND	0.183		
PCB-31	ND	0.248			PCB-77	0.613			J
PCB-34	ND	0.238			PCB-78	0.354			J
PCB-35	ND	0.252			PCB-79	0.449			J
PCB-36	ND	0.248			PCB-80	ND	0.177		
PCB-37	ND		0.649		PCB-81	0.387			J
PCB-38	ND	0.236			PCB-82	ND	0.833		
PCB-39	ND	0.239			PCB-83	ND	0.530		
PCB-40	ND	0.370			PCB-84/92	ND	0.676		
PCB-41/64/71/72	ND	0.217			PCB-85/116	ND	0.616		
PCB-42/59	ND	0.236			PCB-86	ND	0.818		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0115	Lab Sample: B4B0115-BLK1
Sample Size: 10.0 g	Date Extracted: 28-Feb-2014 8:55	Date Analyzed: 06-Mar-14 11:25 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.537			PCB-133/142	ND	0.319		
PCB-88/91	ND	0.706			PCB-134/143	ND	0.314		
PCB-89	ND	0.696			PCB-135	ND	0.659		
PCB-90/101	ND	0.591			PCB-136	ND	0.469		
PCB-93	ND	0.688			PCB-137	ND	0.295		
PCB-94	ND	0.694			PCB-138/163/164	ND	0.251		
PCB-95/98/102	ND	0.646			PCB-139/149	ND	0.573		
PCB-96	ND	0.548			PCB-140	ND	0.655		
PCB-97	ND	0.661			PCB-141	ND	0.316		
PCB-99	ND	0.564			PCB-144	ND	0.616		
PCB-100	ND	0.592			PCB-145	ND	0.425		
PCB-103	ND	0.636			PCB-146/165	ND	0.244		
PCB-104	ND	0.464			PCB-147	ND	0.599		
PCB-105	ND	0.401			PCB-148	ND	0.596		
PCB-106/118	ND		0.525		PCB-150	ND	0.436		
PCB-107/109	ND	0.484			PCB-151	ND	0.639		
PCB-108/112	ND	0.639			PCB-152	ND	0.427		
PCB-110	ND	0.501			PCB-153	ND	0.248		
PCB-111/115	ND	0.476			PCB-154	ND	0.554		
PCB-113	ND	0.495			PCB-155	ND	0.407		
PCB-114	ND	0.389			PCB-156	ND		0.312	
PCB-119	ND	0.475			PCB-157	ND	0.255		
PCB-120	ND	0.465			PCB-158/160	ND	0.242		
PCB-121	ND	0.466			PCB-159	ND	0.244		
PCB-122	ND	0.432			PCB-166	ND	0.236		
PCB-123	ND	0.519			PCB-167	ND	0.235		
PCB-124	ND	0.463			PCB-168	ND	0.215		
PCB-126	ND	0.540			PCB-169	0.632			J
PCB-127	0.310			J	PCB-170	ND	0.262		
PCB-128/162	0.355			J	PCB-171	ND	0.252		
PCB-129	ND	0.356			PCB-172	ND	0.281		
PCB-130	ND	0.344			PCB-173	ND	0.300		
PCB-131	ND	0.334			PCB-174	ND	0.250		
PCB-132/161	ND	0.259			PCB-175	ND	0.265		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0115	Lab Sample: B4B0115-BLK1
Sample Size: 10.0 g	Date Extracted: 28-Feb-2014 8:55	Date Analyzed: 06-Mar-14 11:25 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.193			Total triCB	ND		0.649	J
PCB-177	ND	0.270			Total tetraCB	2.31			J
PCB-178	ND	0.281			Total pentaCB	0.310		0.834	J
PCB-179	ND	0.199			Total hexaCB	0.987		1.30	J
PCB-180	ND	0.246			Total heptaCB	0.476			J
PCB-181	ND	0.243			Total octaCB	ND		0.558	
PCB-182/187	ND	0.246			Total nonaCB	ND		0.342	
PCB-183	ND	0.239			DecaCB	ND		0.285	
PCB-184	ND	0.207			Total PCB	4.09			
PCB-185	ND	0.251							
PCB-186	ND	0.194							
PCB-188	ND	0.178							
PCB-189	0.476			J					
PCB-190	ND	0.187							
PCB-191	ND	0.205							
PCB-192	ND	0.215							
PCB-193	ND	0.200							
PCB-194	ND	0.262							
PCB-195	ND	0.262							
PCB-196/203	ND	0.497							
PCB-197	ND	0.389							
PCB-198	ND	0.558							
PCB-199	ND	0.519							
PCB-200	ND	0.403							
PCB-201	ND	0.380							
PCB-202	ND	0.386							
PCB-204	ND	0.410							
PCB-205	ND	0.217							
PCB-206	ND	0.342							
PCB-207	ND	0.174							
PCB-208	ND	0.168							
PCB-209	ND	0.285							
Total monoCB	ND	0.657							
Total diCB	ND	3.56							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B4B0115	Lab Sample: B4B0115-BLK1
Sample Size: 10.0 g	Date Extracted: 28-Feb-2014 8:55	Date Analyzed: 06-Mar-14 11:25 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	96.3	5 - 145		13C-PCB-157	99.2	10 - 145	
13C-PCB-3	100	5 - 145		13C-PCB-159	104	10 - 145	
13C-PCB-4	81.5	5 - 145		13C-PCB-167	105	10 - 145	
13C-PCB-11	89.2	5 - 145		13C-PCB-169	103	10 - 145	
13C-PCB-9	80.3	5 - 145		13C-PCB-170	93.2	10 - 145	
13C-PCB-19	95.7	5 - 145		13C-PCB-180	91.6	10 - 145	
13C-PCB-28	95.5	5 - 145		13C-PCB-188	82.5	10 - 145	
13C-PCB-32	93.2	5 - 145		13C-PCB-189	90.6	10 - 145	
13C-PCB-37	101	5 - 145		13C-PCB-194	107	10 - 145	
13C-PCB-47	92.0	5 - 145		13C-PCB-202	69.2	10 - 145	
13C-PCB-52	93.1	5 - 145		13C-PCB-206	112	10 - 145	
13C-PCB-54	90.6	5 - 145		13C-PCB-208	115	10 - 145	
13C-PCB-70	100	5 - 145		13C-PCB-209	113	10 - 145	
13C-PCB-77	103	10 - 145		CRS 13C-PCB-79	98.3	10 - 145	
13C-PCB-80	98.5	10 - 145		13C-PCB-178	87.4	10 - 145	
13C-PCB-81	105	10 - 145					
13C-PCB-95	97.7	10 - 145					
13C-PCB-97	102	10 - 145					
13C-PCB-101	100	10 - 145					
13C-PCB-104	96.7	10 - 145					
13C-PCB-105	90.4	10 - 145					
13C-PCB-114	94.9	10 - 145					
13C-PCB-118	103	10 - 145					
13C-PCB-123	108	10 - 145					
13C-PCB-126	89.0	10 - 145					
13C-PCB-127	95.8	10 - 145					
13C-PCB-138	101	10 - 145					
13C-PCB-141	103	10 - 145					
13C-PCB-153	103	10 - 145					
13C-PCB-155	74.3	10 - 145					
13C-PCB-156	103	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B4B0115
Date Extracted: 28-Feb-2014 8:55Lab Sample: B4B0115-BS1
Date Analyzed: 06-Mar-14 09:17 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	419	500	83.8	60 - 135	IS 13C-PCB-1	81.9	15 - 145
PCB-3	423	500	84.6	60 - 135	IS 13C-PCB-3	87.1	15 - 145
PCB-4/10	1780	2000	89.2	60 - 135	IS 13C-PCB-4	71.3	15 - 145
PCB-15	932	1000	93.2	60 - 135	IS 13C-PCB-9	71.8	15 - 145
PCB-19	509	500	102	60 - 135	IS 13C-PCB-11	80.8	15 - 145
PCB-37	500	500	99.9	60 - 135	IS 13C-PCB-19	81.9	15 - 145
PCB-54	526	500	105	60 - 135	IS 13C-PCB-28	86.2	15 - 145
PCB-77	463	500	92.5	60 - 135	IS 13C-PCB-32	82.9	15 - 145
PCB-81	482	500	96.4	60 - 135	IS 13C-PCB-37	94.1	15 - 145
PCB-104	533	500	107	60 - 135	IS 13C-PCB-47	86.3	15 - 145
PCB-105	431	500	86.1	60 - 135	IS 13C-PCB-52	87.3	15 - 145
PCB-106/118	1060	1000	106	60 - 135	IS 13C-PCB-54	81.1	15 - 145
PCB-114	449	500	89.7	60 - 135	IS 13C-PCB-70	96.2	15 - 145
PCB-126	429	500	85.8	60 - 135	IS 13C-PCB-77	101	40 - 145
PCB-155	536	500	107	60 - 135	IS 13C-PCB-80	96.0	40 - 145
PCB-156	431	500	86.1	60 - 135	IS 13C-PCB-81	101	40 - 145
PCB-157	436	500	87.3	60 - 135	IS 13C-PCB-95	94.0	40 - 145
PCB-167	434	500	86.8	60 - 135	IS 13C-PCB-97	96.6	40 - 145
PCB-169	428	500	85.5	60 - 135	IS 13C-PCB-101	96.6	40 - 145
PCB-188	518	500	104	60 - 135	IS 13C-PCB-104	90.4	40 - 145
PCB-189	490	500	97.9	60 - 135	IS 13C-PCB-105	86.5	40 - 145
PCB-202	500	500	100	60 - 135	IS 13C-PCB-114	90.5	40 - 145
PCB-205	442	500	88.4	60 - 135	IS 13C-PCB-118	101	40 - 145
PCB-206	415	500	83.1	60 - 135	IS 13C-PCB-123	106	40 - 145
PCB-208	429	500	85.9	60 - 135	IS 13C-PCB-126	91.7	40 - 145
PCB-209	474	500	94.9	60 - 135	IS 13C-PCB-127	89.6	40 - 145
					IS 13C-PCB-138	101	40 - 145
					IS 13C-PCB-141	100	40 - 145
					IS 13C-PCB-153	99.3	40 - 145
					IS 13C-PCB-155	68.4	40 - 145
					IS 13C-PCB-156	102	40 - 145
					IS 13C-PCB-157	98.2	40 - 145
					IS 13C-PCB-159	102	40 - 145
					IS 13C-PCB-167	105	40 - 145
					IS 13C-PCB-169	102	40 - 145
					IS 13C-PCB-170	92.4	40 - 145
					IS 13C-PCB-180	90.2	40 - 145
					IS 13C-PCB-188	81.6	40 - 145
					IS 13C-PCB-189	86.9	40 - 145
					IS 13C-PCB-194	105	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4B0115
Date Extracted: 28-Feb-2014 8:55

Lab Sample: B4B0115-BS1
Date Analyzed: 06-Mar-14 09:17 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	67.4	40 - 145
					IS 13C-PCB-206	115	40 - 145
					IS 13C-PCB-208	116	40 - 145
					IS 13C-PCB-209	117	40 - 145
					CRS 13C-PCB-79	97.0	40 - 145
					CRS 13C-PCB-178	88.2	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-08
Project:	Stiller Pond	Sample Size:	13.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:41	% Solids:	74.9	QC Batch:	B4B0115
				Date Analyzed :	08-Mar-14 02:33
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	5.41				PCB-44	128			
PCB-2	7.55				PCB-45	6.34			
PCB-3	26.8				PCB-46	1.52			J
PCB-4/10	2.41			J	PCB-47	90.9			
PCB-5/8	27.9				PCB-48/75	16.8			
PCB-6	5.49				PCB-50	ND	0.759		
PCB-7/9	3.84			J	PCB-51	1.54			J
PCB-11	17.3				PCB-52/69	229			
PCB-12/13	17.0				PCB-53	6.61			
PCB-14	1.05			J	PCB-54	ND	0.572		
PCB-15	146				PCB-55	9.80			
PCB-16/32	6.35			J	PCB-56/60	116			B
PCB-17	4.51				PCB-57	1.40			J
PCB-18	12.1				PCB-58	5.72			
PCB-19	0.703			J	PCB-61/70	319			
PCB-20/21/33	22.5				PCB-62	ND	0.591		
PCB-22	13.3				PCB-63	14.2			
PCB-23	ND	0.491			PCB-65	ND	0.587		
PCB-24/27	1.55			J	PCB-67	3.36			
PCB-25	3.90				PCB-68	6.29			
PCB-26	8.94				PCB-73	0.330			J
PCB-28	76.4				PCB-74	57.7			
PCB-29	ND	0.537			PCB-76/66	173			
PCB-30	ND	0.227			PCB-77	40.4			B
PCB-31	50.7				PCB-78	ND	0.594		
PCB-34	0.553			J	PCB-79	29.4			B
PCB-35	2.84				PCB-80	ND	0.482		
PCB-36	ND	0.562			PCB-81	3.44			B
PCB-37	63.1				PCB-82	171			
PCB-38	3.56				PCB-83	ND	0.494		
PCB-39	1.69			J	PCB-84/92	548			
PCB-40	15.6				PCB-85/116	353			
PCB-41/64/71/72	152				PCB-86	ND	0.762		
PCB-42/59	38.6				PCB-87/117/125	557			
PCB-43/49	293				PCB-88/91	209			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-08	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	13.6 g	QC Batch:	B4B0115	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 11:41	% Solids:	74.9	Date Analyzed :	08-Mar-14 02:33	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	5.22				PCB-136	222			
PCB-90/101	1760				PCB-137	74.2			
PCB-93	ND	0.702			PCB-138/163/164	2020			
PCB-94	3.34				PCB-139/149	1640			
PCB-95/98/102	965				PCB-140	13.2			
PCB-96	3.58				PCB-141	297			
PCB-97	407				PCB-144	91.5			
PCB-99	896				PCB-145	0.560			J
PCB-100	ND		4.03		PCB-146/165	270			
PCB-103	13.7				PCB-147	51.0			
PCB-104	ND	0.456			PCB-148	1.08			J
PCB-105	371				PCB-150	1.87			J
PCB-106/118	1160				PCB-151	441			
PCB-107/109	153				PCB-152	1.51			J
PCB-108/112	65.2				PCB-153	1700			
PCB-110	2040				PCB-154	24.4			
PCB-111/115	22.9				PCB-155	ND	0.515		
PCB-113	ND	0.494			PCB-156	180			
PCB-114	22.0				PCB-157	35.9			
PCB-119	36.0				PCB-158/160	150			
PCB-120	11.0				PCB-159	ND	0.973		
PCB-121	ND	0.475			PCB-166	7.58			
PCB-122	22.4				PCB-167	79.1			
PCB-123	27.0				PCB-168	2.06			J
PCB-124	70.9				PCB-169	0.967			J, B
PCB-126	13.3				PCB-170	484			
PCB-127	ND	0.672			PCB-171	137			
PCB-128/162	366			B	PCB-172	88.8			
PCB-129	74.4				PCB-173	10.5			
PCB-130	150				PCB-174	470			
PCB-131	ND	1.26			PCB-175	22.3			
PCB-132/161	502				PCB-176	62.9			
PCB-133/142	53.8				PCB-177	300			
PCB-134/143	82.7				PCB-178	128			
PCB-135	281				PCB-179	244			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-08
Project:	Stiller Pond	Sample Size:	13.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:41	% Solids:	74.9	QC Batch:	B4B0115
				Date Analyzed :	08-Mar-14 02:33
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1020				Total octaCB	1460			
PCB-181	3.74				Total nonaCB	350			
PCB-182/187	755				DecaCB	198			
PCB-183	303				Total PCB	27300			B
PCB-184	0.948			J					
PCB-185	58.7								
PCB-186	ND	0.327							
PCB-188	1.22			J					
PCB-189	18.4			B					
PCB-190	99.6								
PCB-191	13.4								
PCB-192	ND	0.353							
PCB-193	55.9								
PCB-194	270								
PCB-195	95.1								
PCB-196/203	425								
PCB-197	14.0								
PCB-198	21.5								
PCB-199	419								
PCB-200	47.0								
PCB-201	50.7								
PCB-202	101								
PCB-204	ND	0.429							
PCB-205	14.1								
PCB-206	239								
PCB-207	32.0								
PCB-208	79.1								
PCB-209	198								
Total monoCB	39.7								
Total diCB	221								
Total triCB	273			B					
Total tetraCB	1760			B					
Total pentaCB	9900		9910	B					
Total hexaCB	8820			B					
Total heptaCB	4280			B					

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-08
Project:	Stiller Pond	Sample Size:	13.6 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:41	% Solids:	74.9	QC Batch:	B4B0115
				Date Analyzed :	08-Mar-14 02:33
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	101	5 -145		13C-PCB-170	98.2	10 -145	
13C-PCB-3	114	5 -145		13C-PCB-180	94.4	10 -145	
13C-PCB-4	76.5	5 -145		13C-PCB-188	83.9	10 -145	
13C-PCB-11	95.1	5 -145		13C-PCB-189	93.1	10 -145	
13C-PCB-9	79.0	5 -145		13C-PCB-194	106	10 -145	
13C-PCB-19	108	5 -145		13C-PCB-202	72.9	10 -145	
13C-PCB-28	108	5 -145		13C-PCB-206	117	10 -145	
13C-PCB-32	110	5 -145		13C-PCB-208	106	10 -145	
13C-PCB-37	107	5 -145		13C-PCB-209	122	10 -145	
13C-PCB-47	100	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	98.3	5 -145		13C-PCB-178	87.9	10 -145	
13C-PCB-54	88.7	5 -145					
13C-PCB-70	99.5	5 -145					
13C-PCB-77	107	10 -145					
13C-PCB-80	97.6	10 -145					
13C-PCB-81	108	10 -145					
13C-PCB-95	98.8	10 -145					
13C-PCB-97	106	10 -145					
13C-PCB-101	105	10 -145					
13C-PCB-104	97.9	10 -145					
13C-PCB-105	88.0	10 -145					
13C-PCB-114	88.3	10 -145					
13C-PCB-118	109	10 -145					
13C-PCB-123	115	10 -145					
13C-PCB-126	92.6	10 -145					
13C-PCB-127	89.9	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	102	10 -145					
13C-PCB-153	100	10 -145					
13C-PCB-155	79.4	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	99.8	10 -145					
13C-PCB-159	102	10 -145					
13C-PCB-167	104	10 -145					
13C-PCB-169	105	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-09
Project:	Stiller Pond	Sample Size:	14.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:53	% Solids:	72.1	QC Batch:	B4B0115
				Date Analyzed :	08-Mar-14 05:45
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.83			J	PCB-44	17.4			
PCB-2	5.44				PCB-45	0.625			J
PCB-3	5.55				PCB-46	ND	0.565		
PCB-4/10	ND	1.59			PCB-47	15.5			
PCB-5/8	6.17			J	PCB-48/75	1.93			J
PCB-6	ND	1.32			PCB-50	ND	0.453		
PCB-7/9	ND	1.30			PCB-51	ND	0.422		
PCB-11	34.1				PCB-52/69	32.4			
PCB-12/13	4.41			J	PCB-53	0.604			J
PCB-14	ND	1.03			PCB-54	ND	0.341		
PCB-15	39.2				PCB-55	2.01			J
PCB-16/32	2.08			J	PCB-56/60	46.5			B
PCB-17	1.43			J	PCB-57	ND	0.297		
PCB-18	3.59				PCB-58	1.16			J
PCB-19	0.340			J	PCB-61/70	147			
PCB-20/21/33	6.82			J	PCB-62	ND	0.348		
PCB-22	5.94				PCB-63	2.45			J
PCB-23	ND	0.488			PCB-65	ND	0.346		
PCB-24/27	0.423			J	PCB-67	1.66			J
PCB-25	1.81			J	PCB-68	2.49			
PCB-26	3.86				PCB-73	ND	0.341		
PCB-28	21.9				PCB-74	21.6			
PCB-29	ND	0.534			PCB-76/66	76.1			
PCB-30	ND	0.219			PCB-77	30.8			B
PCB-31	18.7				PCB-78	ND	0.322		
PCB-34	ND	0.543			PCB-79	9.24			B
PCB-35	2.34			J	PCB-80	ND	0.299		
PCB-36	ND	0.526			PCB-81	1.08			J, B
PCB-37	33.8				PCB-82	38.7			
PCB-38	0.788			J	PCB-83	ND	0.516		
PCB-39	0.713			J	PCB-84/92	129			
PCB-40	2.93				PCB-85/116	98.3			
PCB-41/64/71/72	14.7				PCB-86	ND	0.796		
PCB-42/59	6.04				PCB-87/117/125	154			
PCB-43/49	50.6				PCB-88/91	35.6			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-09
Project:	Stiller Pond	Sample Size:	14.0 g	QC Batch:	B4B0115
Date Collected:	24-Feb-2014 11:53	% Solids:	72.1	Date Received:	25-Feb-2014 10:15
				Date Extracted:	27-Feb-2014 14:31
				Date Analyzed:	08-Mar-14 05:45
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.731			PCB-136	41.5			
PCB-90/101	493				PCB-137	29.5			
PCB-93	ND	0.724			PCB-138/163/164	684			
PCB-94	ND		0.465		PCB-139/149	439			
PCB-95/98/102	156				PCB-140	3.92			
PCB-96	ND	0.571			PCB-141	92.6			
PCB-97	95.4				PCB-144	20.9			
PCB-99	245				PCB-145	ND	0.554		
PCB-100	0.883			J	PCB-146/165	93.7			
PCB-103	2.54				PCB-147	14.1			
PCB-104	ND	0.484			PCB-148	ND		0.447	
PCB-105	195				PCB-150	0.610			J
PCB-106/118	556				PCB-151	112			
PCB-107/109	54.9				PCB-152	0.351			J
PCB-108/112	15.4				PCB-153	576			
PCB-110	484				PCB-154	7.55			
PCB-111/115	4.33			J	PCB-155	ND	0.530		
PCB-113	ND	0.521			PCB-156	72.7			
PCB-114	5.61				PCB-157	20.6			
PCB-119	7.31				PCB-158/160	60.7			
PCB-120	3.95				PCB-159	ND	0.473		
PCB-121	ND	0.490			PCB-166	2.06			J
PCB-122	5.10				PCB-167	36.1			
PCB-123	13.9				PCB-168	0.917			J
PCB-124	29.9				PCB-169	0.476			J, B
PCB-126	8.01				PCB-170	158			
PCB-127	ND	0.823			PCB-171	39.7			
PCB-128/162	123			B	PCB-172	33.8			
PCB-129	24.3				PCB-173	3.38			
PCB-130	52.9				PCB-174	136			
PCB-131	ND	0.650			PCB-175	7.28			
PCB-132/161	123				PCB-176	15.3			
PCB-133/142	16.4				PCB-177	96.8			
PCB-134/143	19.4				PCB-178	45.2			
PCB-135	74.1				PCB-179	61.5			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-09	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	14.0 g	QC Batch:	B4B0115	Date Extracted:	27-Feb-2014 14:31		
Date Collected:	24-Feb-2014 11:53	% Solids:	72.1	Date Analyzed :	08-Mar-14 05:45	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	321				Total octaCB	459			
PCB-181	1.25			J	Total nonaCB	127			
PCB-182/187	247				DecaCB	90.5			
PCB-183	86.6				Total PCB	8280			B
PCB-184	0.413			J					
PCB-185	18.4								
PCB-186	ND	0.278							
PCB-188	0.427			J					
PCB-189	8.07			B					
PCB-190	34.2								
PCB-191	6.06								
PCB-192	ND	0.308							
PCB-193	20.9								
PCB-194	81.4								
PCB-195	29.4								
PCB-196/203	132								
PCB-197	3.77								
PCB-198	7.71								
PCB-199	139								
PCB-200	13.7								
PCB-201	14.8								
PCB-202	32.3								
PCB-204	ND	0.466							
PCB-205	4.40								
PCB-206	83.2								
PCB-207	12.5								
PCB-208	31.3								
PCB-209	90.5								
Total monoCB	12.8								
Total diCB	83.9								
Total triCB	104			B					
Total tetraCB	485			B					
Total pentaCB	2830			B					
Total hexaCB	2740			B					
Total heptaCB	1340			B					

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400159-09
Project:	Stiller Pond	Sample Size:	14.0 g	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:53	% Solids:	72.1	QC Batch:	B4B0115
				Date Analyzed:	08-Mar-14 05:45
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.3	5 -145		13C-PCB-170	98.1	10 -145	
13C-PCB-3	101	5 -145		13C-PCB-180	92.5	10 -145	
13C-PCB-4	69.7	5 -145		13C-PCB-188	80.0	10 -145	
13C-PCB-11	90.4	5 -145		13C-PCB-189	94.5	10 -145	
13C-PCB-9	72.8	5 -145		13C-PCB-194	103	10 -145	
13C-PCB-19	100	5 -145		13C-PCB-202	73.2	10 -145	
13C-PCB-28	91.6	5 -145		13C-PCB-206	120	10 -145	
13C-PCB-32	101	5 -145		13C-PCB-208	107	10 -145	
13C-PCB-37	99.1	5 -145		13C-PCB-209	133	10 -145	
13C-PCB-47	93.7	5 -145		CRS 13C-PCB-79	99.3	10 -145	
13C-PCB-52	92.8	5 -145		13C-PCB-178	85.4	10 -145	
13C-PCB-54	85.5	5 -145					
13C-PCB-70	97.5	5 -145					
13C-PCB-77	106	10 -145					
13C-PCB-80	95.6	10 -145					
13C-PCB-81	107	10 -145					
13C-PCB-95	92.1	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	98.1	10 -145					
13C-PCB-104	92.7	10 -145					
13C-PCB-105	78.5	10 -145					
13C-PCB-114	77.6	10 -145					
13C-PCB-118	104	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	85.2	10 -145					
13C-PCB-127	80.7	10 -145					
13C-PCB-138	96.8	10 -145					
13C-PCB-141	95.1	10 -145					
13C-PCB-153	94.3	10 -145					
13C-PCB-155	77.4	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	98.0	10 -145					
13C-PCB-159	99.9	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	103	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	2.81			PCB-43/49	ND	2.23		
PCB-2	ND	3.30			PCB-44	ND	2.78		
PCB-3	ND	3.22			PCB-45	ND	2.13		
PCB-4/10	ND	8.90			PCB-46	ND	2.36		
PCB-5/8	ND	7.23			PCB-47	ND	2.35		
PCB-6	ND	7.28			PCB-48/75	ND	1.90		
PCB-7/9	ND	7.19			PCB-50	ND	2.32		
PCB-11	11.3				PCB-51	ND	1.76		
PCB-12/13	ND	7.12			PCB-52/69	ND	1.89		
PCB-14	ND	5.96			PCB-53	ND	1.74		
PCB-15	ND	6.96			PCB-54	ND	1.75		
PCB-16/32	ND	1.50			PCB-55	ND	1.60		
PCB-17	ND	1.73			PCB-56/60	ND	1.69		
PCB-18	ND	1.86			PCB-57	ND	1.55		
PCB-19	ND	1.82			PCB-58	ND	1.64		
PCB-20/21/33	ND	1.85			PCB-61/70	ND	1.66		
PCB-22	ND	1.75			PCB-62	ND	1.91		
PCB-23	ND	1.72			PCB-63	ND	1.59		
PCB-24/27	ND	1.30			PCB-65	ND	1.90		
PCB-25	ND	1.89			PCB-67	ND	1.71		
PCB-26	ND	1.97			PCB-68	ND	1.72		
PCB-28	ND	1.65			PCB-73	ND	1.67		
PCB-29	ND	1.88			PCB-74	ND	1.44		
PCB-30	ND	1.21			PCB-76/66	ND	1.53		
PCB-31	ND	2.00			PCB-77	ND	1.48		
PCB-34	ND	1.92			PCB-78	ND	1.52		
PCB-35	ND	1.89			PCB-79	ND	1.70		
PCB-36	ND	1.85			PCB-80	ND	1.43		
PCB-37	ND	2.01			PCB-81	ND	1.33		
PCB-38	ND	1.77			PCB-82	ND	3.68		
PCB-39	ND	1.79			PCB-83	ND	2.39		
PCB-40	ND	3.26			PCB-84/92	ND	1.77		
PCB-41/64/71/72	ND	1.92			PCB-85/116	ND	2.78		
PCB-42/59	ND	2.08			PCB-86	ND	3.69		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	2.42			PCB-133/142	ND	1.76		
PCB-88/91	ND	1.83			PCB-134/143	ND	1.73		
PCB-89	ND	1.82			PCB-135	ND	4.22		
PCB-90/101	ND	2.95			PCB-136	ND	3.00		
PCB-93	ND	1.78			PCB-137	ND	1.71		
PCB-94	ND	1.80			PCB-138/163/164	ND	1.29		
PCB-95/98/102	ND	1.68			PCB-139/149	ND	3.67		
PCB-96	ND	1.65			PCB-140	ND	4.19		
PCB-97	ND	2.98			PCB-141	ND	1.83		
PCB-99	ND	2.81			PCB-144	ND	3.94		
PCB-100	ND	1.78			PCB-145	ND	2.72		
PCB-103	ND	1.91			PCB-146/165	ND	1.35		
PCB-104	ND	1.40			PCB-147	ND	3.83		
PCB-105	ND	1.62			PCB-148	ND	3.81		
PCB-106/118	ND	2.04			PCB-150	ND	2.79		
PCB-107/109	ND	2.14			PCB-151	ND	4.09		
PCB-108/112	ND	2.88			PCB-152	ND	2.73		
PCB-110	ND	2.26			PCB-153	ND	1.37		
PCB-111/115	ND	2.15			PCB-154	ND	3.54		
PCB-113	ND	2.47			PCB-155	ND	2.60		
PCB-114	ND	1.66			PCB-156	ND	1.22		
PCB-119	ND	2.14			PCB-157	ND	1.31		
PCB-120	ND	2.09			PCB-158/160	ND	1.25		
PCB-121	ND	1.20			PCB-159	ND	1.32		
PCB-122	ND	1.85			PCB-166	ND	1.28		
PCB-123	ND	2.29			PCB-167	ND	1.25		
PCB-124	ND	2.04			PCB-168	ND	1.19		
PCB-126	ND	1.68			PCB-169	ND	1.25		
PCB-127	ND	1.75			PCB-170	ND	1.18		
PCB-128/162	ND	1.45			PCB-171	ND	1.26		
PCB-129	ND	1.84			PCB-172	ND	1.40		
PCB-130	ND	1.99			PCB-173	ND	1.50		
PCB-131	ND	1.84			PCB-174	ND	1.25		
PCB-132/161	ND	1.42			PCB-175	ND	1.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Aqueous		QC Batch: B4C0018			Lab Sample: B4C0018-BLK1				
Sample Size: 1.00 L		Date Extracted: 05-Mar-2014 7:30			Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS				
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	1.19			Total triCB	ND	2.01		
PCB-177	ND	1.35			Total tetraCB	ND	3.26		
PCB-178	ND	1.73			Total pentaCB	ND	3.69		
PCB-179	ND	1.23			Total hexaCB	ND	4.22		
PCB-180	ND	1.23			Total heptaCB	ND	1.73		
PCB-181	ND	1.21			Total octaCB	ND	2.79		
PCB-182/187	ND	1.51			Total nonaCB	ND	2.15		
PCB-183	ND	1.47			DecaCB	ND	1.40		
PCB-184	ND	1.27			Total PCB	11.3			
PCB-185	ND	1.25							
PCB-186	ND	1.19							
PCB-188	ND	1.09							
PCB-189	ND	0.855							
PCB-190	ND	0.841							
PCB-191	ND	1.03							
PCB-192	ND	1.07							
PCB-193	ND	1.00							
PCB-194	ND	1.94							
PCB-195	ND	1.94							
PCB-196/203	ND	2.48							
PCB-197	ND	1.94							
PCB-198	ND	2.79							
PCB-199	ND	2.59							
PCB-200	ND	2.01							
PCB-201	ND	1.90							
PCB-202	ND	1.93							
PCB-204	ND	2.05							
PCB-205	ND	1.61							
PCB-206	ND	2.15							
PCB-207	ND	1.13							
PCB-208	ND	1.09							
PCB-209	ND	1.40							
Total monoCB	ND	3.30							
Total diCB	11.3								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4C0018	Lab Sample: B4C0018-BLK1
Sample Size: 1.00 L	Date Extracted: 05-Mar-2014 7:30	Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.1	5 - 145		13C-PCB-157	78.9	10 - 145	
13C-PCB-3	55.1	5 - 145		13C-PCB-159	74.9	10 - 145	
13C-PCB-4	44.9	5 - 145		13C-PCB-167	77.8	10 - 145	
13C-PCB-11	56.3	5 - 145		13C-PCB-169	96.7	10 - 145	
13C-PCB-9	45.9	5 - 145		13C-PCB-170	83.6	10 - 145	
13C-PCB-19	53.6	5 - 145		13C-PCB-180	76.8	10 - 145	
13C-PCB-28	60.5	5 - 145		13C-PCB-188	56.3	10 - 145	
13C-PCB-32	51.8	5 - 145		13C-PCB-189	83.6	10 - 145	
13C-PCB-37	69.7	5 - 145		13C-PCB-194	79.0	10 - 145	
13C-PCB-47	59.2	5 - 145		13C-PCB-202	56.1	10 - 145	
13C-PCB-52	63.4	5 - 145		13C-PCB-206	98.8	10 - 145	
13C-PCB-54	52.3	5 - 145		13C-PCB-208	85.2	10 - 145	
13C-PCB-70	68.6	5 - 145		13C-PCB-209	109	10 - 145	
13C-PCB-77	87.3	10 - 145		CRS 13C-PCB-79	85.6	10 - 145	
13C-PCB-80	68.5	10 - 145		13C-PCB-178	74.8	10 - 145	
13C-PCB-81	83.0	10 - 145					
13C-PCB-95	64.5	10 - 145					
13C-PCB-97	73.5	10 - 145					
13C-PCB-101	67.4	10 - 145					
13C-PCB-104	58.4	10 - 145					
13C-PCB-105	60.7	10 - 145					
13C-PCB-114	58.7	10 - 145					
13C-PCB-118	79.0	10 - 145					
13C-PCB-123	82.5	10 - 145					
13C-PCB-126	70.1	10 - 145					
13C-PCB-127	62.9	10 - 145					
13C-PCB-138	74.2	10 - 145					
13C-PCB-141	71.3	10 - 145					
13C-PCB-153	68.2	10 - 145					
13C-PCB-155	47.7	10 - 145					
13C-PCB-156	80.0	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30Lab Sample: B4C0018-BS1
Date Analyzed: 10-Mar-14 10:49 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	888	1000	88.8	60 - 135	IS 13C-PCB-1	70.3	15 - 145
PCB-3	917	1000	91.7	60 - 135	IS 13C-PCB-3	72.4	15 - 145
PCB-4/10	3840	4000	96.1	60 - 135	IS 13C-PCB-4	54.8	15 - 145
PCB-15	2050	2000	103	60 - 135	IS 13C-PCB-11	62.2	15 - 145
PCB-19	1230	1000	123	60 - 135	IS 13C-PCB-9	53.1	15 - 145
PCB-37	953	1000	95.3	60 - 135	IS 13C-PCB-19	62.1	15 - 145
PCB-54	1030	1000	103	60 - 135	IS 13C-PCB-28	62.1	15 - 145
PCB-77	948	1000	94.8	60 - 135	IS 13C-PCB-32	58.8	15 - 145
PCB-81	958	1000	95.8	60 - 135	IS 13C-PCB-37	76.8	15 - 145
PCB-104	1160	1000	116	60 - 135	IS 13C-PCB-47	67.3	15 - 145
PCB-105	849	1000	84.9	60 - 135	IS 13C-PCB-52	67.5	15 - 145
PCB-106/118	2200	2000	110	60 - 135	IS 13C-PCB-54	62.8	15 - 145
PCB-114	857	1000	85.7	60 - 135	IS 13C-PCB-70	69.4	15 - 145
PCB-126	846	1000	84.6	60 - 135	IS 13C-PCB-77	88.3	40 - 145
PCB-155	1160	1000	116	60 - 135	IS 13C-PCB-80	67.5	40 - 145
PCB-156	905	1000	90.5	60 - 135	IS 13C-PCB-81	83.8	40 - 145
PCB-157	956	1000	95.6	60 - 135	IS 13C-PCB-95	65.9	40 - 145
PCB-167	923	1000	92.3	60 - 135	IS 13C-PCB-97	72.0	40 - 145
PCB-169	917	1000	91.7	60 - 135	IS 13C-PCB-101	69.5	40 - 145
PCB-188	1090	1000	109	60 - 135	IS 13C-PCB-104	62.2	40 - 145
PCB-189	1070	1000	107	60 - 135	IS 13C-PCB-105	55.5	40 - 145
PCB-202	1090	1000	109	60 - 135	IS 13C-PCB-114	55.9	40 - 145
PCB-205	933	1000	93.3	60 - 135	IS 13C-PCB-118	79.3	40 - 145
PCB-206	998	1000	99.8	60 - 135	IS 13C-PCB-123	81.8	40 - 145
PCB-208	1000	1000	100	60 - 135	IS 13C-PCB-126	65.7	40 - 145
PCB-209	991	1000	99.1	60 - 135	IS 13C-PCB-127	60.6	40 - 145
					IS 13C-PCB-138	69.9	40 - 145
					IS 13C-PCB-141	69.3	40 - 145
					IS 13C-PCB-153	66.8	40 - 145
					IS 13C-PCB-155	52.4	40 - 145
					IS 13C-PCB-156	79.3	40 - 145
					IS 13C-PCB-157	75.4	40 - 145
					IS 13C-PCB-159	72.8	40 - 145
					IS 13C-PCB-167	76.2	40 - 145
					IS 13C-PCB-169	88.7	40 - 145
					IS 13C-PCB-170	80.0	40 - 145
					IS 13C-PCB-180	74.9	40 - 145
					IS 13C-PCB-188	59.0	40 - 145
					IS 13C-PCB-189	79.4	40 - 145
					IS 13C-PCB-194	74.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BS1
Date Analyzed: 10-Mar-14 10:49 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	56.0	40 - 145
					IS 13C-PCB-206	94.1	40 - 145
					IS 13C-PCB-208	83.3	40 - 145
					IS 13C-PCB-209	109	40 - 145
					CRS 13C-PCB-79	87.8	40 - 145
					CRS 13C-PCB-178	77.1	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-11
Project:	Stiller Pond	Sample Size:	1.00 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:00			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 14:02
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	37.1				PCB-44	11.6			
PCB-2	2.46			J	PCB-45	4.57			J
PCB-3	14.3				PCB-46	ND	1.93		
PCB-4/10	70.5				PCB-47	8.45			
PCB-5/8	171				PCB-48/75	ND		2.98	
PCB-6	32.5				PCB-50	ND	1.59		
PCB-7/9	15.7			J	PCB-51	2.13			J
PCB-11	16.8			B	PCB-52/69	10.4			
PCB-12/13	ND	9.24			PCB-53	ND		2.93	
PCB-14	ND	7.72			PCB-54	ND	1.20		
PCB-15	37.7				PCB-55	ND	1.08		
PCB-16/32	84.5				PCB-56/60	2.51			J
PCB-17	44.7				PCB-57	ND	1.03		
PCB-18	124				PCB-58	ND	1.08		
PCB-19	14.1				PCB-61/70	ND		3.60	
PCB-20/21/33	37.9				PCB-62	ND	1.20		
PCB-22	21.7				PCB-63	ND	1.05		
PCB-23	ND	1.95			PCB-65	ND	1.19		
PCB-24/27	9.92			J	PCB-67	ND	1.13		
PCB-25	4.59			J	PCB-68	1.76			J
PCB-26	ND		10.3		PCB-73	ND	1.16		
PCB-28	ND		35.1		PCB-74	ND		1.74	
PCB-29	ND	2.13			PCB-76/66	2.59			J
PCB-30	ND	1.29			PCB-77	ND	0.921		
PCB-31	44.9				PCB-78	ND	1.00		
PCB-34	ND	2.17			PCB-79	ND	1.15		
PCB-35	ND	1.96			PCB-80	ND	0.968		
PCB-36	ND	1.92			PCB-81	ND	0.874		
PCB-37	5.13				PCB-82	ND	3.12		
PCB-38	ND	1.83			PCB-83	ND	2.07		
PCB-39	ND	1.85			PCB-84/92	ND	3.04		
PCB-40	ND	2.04			PCB-85/116	ND	2.40		
PCB-41/64/71/72	7.36			J	PCB-86	ND	3.19		
PCB-42/59	3.34			J	PCB-87/117/125	ND	2.09		
PCB-43/49	8.83			J	PCB-88/91	ND	3.21		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-11
Project:	Stiller Pond	Sample Size:	1.00 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:00			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 14:02
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.12			PCB-136	ND	2.65		
PCB-90/101	ND	2.65			PCB-137	ND	1.45		
PCB-93	ND	3.13			PCB-138/163/164	ND	1.17		
PCB-94	ND	3.16			PCB-139/149	ND	3.24		
PCB-95/98/102	2.54			J	PCB-140	ND	3.70		
PCB-96	ND	2.51			PCB-141	ND	1.56		
PCB-97	ND	2.58			PCB-144	ND	3.48		
PCB-99	ND	2.53			PCB-145	ND	2.40		
PCB-100	ND	2.71			PCB-146/165	ND	1.21		
PCB-103	ND	2.91			PCB-147	ND	3.38		
PCB-104	ND	2.12			PCB-148	ND	3.36		
PCB-105	ND	1.60			PCB-150	ND	2.47		
PCB-106/118	2.23			J	PCB-151	ND	3.61		
PCB-107/109	ND	1.81			PCB-152	ND	2.41		
PCB-108/112	ND	2.49			PCB-153	ND	1.23		
PCB-110	ND		2.01		PCB-154	ND	3.13		
PCB-111/115	ND	1.86			PCB-155	ND	2.30		
PCB-113	ND	2.22			PCB-156	ND	1.01		
PCB-114	ND	1.75			PCB-157	ND	1.11		
PCB-119	ND	1.85			PCB-158/160	ND	1.13		
PCB-120	ND	1.81			PCB-159	ND	1.09		
PCB-121	ND	1.08			PCB-166	ND	1.06		
PCB-122	ND	1.94			PCB-167	ND	1.07		
PCB-123	ND	1.94			PCB-168	ND	1.06		
PCB-124	ND	1.73			PCB-169	ND	1.10		
PCB-126	ND	1.87			PCB-170	ND	1.10		
PCB-127	ND	1.97			PCB-171	ND	1.07		
PCB-128/162	ND	1.20			PCB-172	ND	1.19		
PCB-129	ND	1.66			PCB-173	ND	1.27		
PCB-130	ND	1.69			PCB-174	ND	1.06		
PCB-131	ND	1.65			PCB-175	ND	1.34		
PCB-132/161	ND	1.28			PCB-176	ND	0.973		
PCB-133/142	ND	1.58			PCB-177	ND	1.15		
PCB-134/143	ND	1.55			PCB-178	ND	1.42		
PCB-135	ND	3.73			PCB-179	ND	1.01		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-11
Project:	Stiller Pond	Sample Size:	1.00 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:00			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 14:02
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.04			Total octaCB	ND	2.50		
PCB-181	ND	1.03			Total nonaCB	ND	1.95		
PCB-182/187	ND	1.24			DecaCB	ND	1.25		
PCB-183	ND	1.21			Total PCB	858			B
PCB-184	ND	1.05							
PCB-185	ND	1.06							
PCB-186	ND	0.978							
PCB-188	ND	0.896							
PCB-189	ND	0.728							
PCB-190	ND	0.785							
PCB-191	ND	0.871							
PCB-192	ND	0.912							
PCB-193	ND	0.849							
PCB-194	ND	1.45							
PCB-195	ND	1.45							
PCB-196/203	ND	2.23							
PCB-197	ND	1.74							
PCB-198	ND	2.50							
PCB-199	ND	2.33							
PCB-200	ND	1.81							
PCB-201	ND	1.71							
PCB-202	ND	1.73							
PCB-204	ND	1.84							
PCB-205	ND	1.20							
PCB-206	ND	1.95							
PCB-207	ND	1.12							
PCB-208	ND	1.08							
PCB-209	ND	1.25							
Total monoCB	53.9								
Total diCB	344			B					
Total triCB	391		436						
Total tetraCB	63.5		74.8						
Total pentaCB	4.76		6.77						
Total hexaCB	ND	3.73							
Total heptaCB	ND	1.42							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-11
Project:	Stiller Pond	Sample Size:	1.00 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 11:00			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 14:02
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	54.0	5 -145		13C-PCB-170	98.7	10 -145	
13C-PCB-3	63.8	5 -145		13C-PCB-180	92.5	10 -145	
13C-PCB-4	56.1	5 -145		13C-PCB-188	70.1	10 -145	
13C-PCB-11	71.1	5 -145		13C-PCB-189	101	10 -145	
13C-PCB-9	56.2	5 -145		13C-PCB-194	91.8	10 -145	
13C-PCB-19	58.3	5 -145		13C-PCB-202	66.5	10 -145	
13C-PCB-28	73.3	5 -145		13C-PCB-206	112	10 -145	
13C-PCB-32	61.2	5 -145		13C-PCB-208	96.7	10 -145	
13C-PCB-37	99.8	5 -145		13C-PCB-209	125	10 -145	
13C-PCB-47	79.5	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	78.2	5 -145		13C-PCB-178	91.7	10 -145	
13C-PCB-54	71.2	5 -145					
13C-PCB-70	89.9	5 -145					
13C-PCB-77	111	10 -145					
13C-PCB-80	83.8	10 -145					
13C-PCB-81	105	10 -145					
13C-PCB-95	78.0	10 -145					
13C-PCB-97	87.8	10 -145					
13C-PCB-101	83.1	10 -145					
13C-PCB-104	73.0	10 -145					
13C-PCB-105	72.9	10 -145					
13C-PCB-114	71.3	10 -145					
13C-PCB-118	93.1	10 -145					
13C-PCB-123	99.6	10 -145					
13C-PCB-126	84.4	10 -145					
13C-PCB-127	74.4	10 -145					
13C-PCB-138	87.7	10 -145					
13C-PCB-141	87.1	10 -145					
13C-PCB-153	83.5	10 -145					
13C-PCB-155	58.9	10 -145					
13C-PCB-156	97.9	10 -145					
13C-PCB-157	95.3	10 -145					
13C-PCB-159	91.6	10 -145					
13C-PCB-167	93.9	10 -145					
13C-PCB-169	118	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Aqueous	Lab Sample:	1400159-12	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond		Sample Size:	1.00 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	24-Feb-2014 13:55					Date Analyzed :	10-Mar-14 15:06 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.70			PCB-44	2.83			J
PCB-2	ND	1.73			PCB-45	ND	1.78		
PCB-3	ND	1.69			PCB-46	ND	1.98		
PCB-4/10	ND	9.60			PCB-47	5.28			
PCB-5/8	ND	8.29			PCB-48/75	ND	1.22		
PCB-6	ND	8.33			PCB-50	ND	1.75		
PCB-7/9	ND	8.23			PCB-51	ND	1.48		
PCB-11	11.9			B	PCB-52/69	4.14			J
PCB-12/13	ND	8.09			PCB-53	ND	1.46		
PCB-14	ND	6.77			PCB-54	ND	1.32		
PCB-15	ND	7.90			PCB-55	ND	1.14		
PCB-16/32	ND	3.26			PCB-56/60	ND	1.21		
PCB-17	ND	2.58			PCB-57	ND	1.20		
PCB-18	6.58				PCB-58	ND	1.27		
PCB-19	ND	2.08			PCB-61/70	2.29			J
PCB-20/21/33	ND	2.98			PCB-62	ND	1.23		
PCB-22	ND	2.09			PCB-63	ND	1.22		
PCB-23	ND	2.05			PCB-65	ND	1.23		
PCB-24/27	ND	1.37			PCB-67	ND	1.32		
PCB-25	ND	2.25			PCB-68	ND	1.11		
PCB-26	ND	2.34			PCB-73	ND	1.19		
PCB-28	ND		2.60		PCB-74	ND	1.11		
PCB-29	ND	2.24			PCB-76/66	ND	1.18		
PCB-30	ND	1.38			PCB-77	ND	1.08		
PCB-31	ND		2.92		PCB-78	ND	1.10		
PCB-34	ND	2.28			PCB-79	ND	1.22		
PCB-35	ND	1.97			PCB-80	ND	1.02		
PCB-36	ND	1.93			PCB-81	ND	0.957		
PCB-37	ND	2.10			PCB-82	ND	2.91		
PCB-38	ND	1.84			PCB-83	ND	2.10		
PCB-39	ND	1.86			PCB-84/92	ND	2.89		
PCB-40	ND	2.10			PCB-85/116	ND	2.45		
PCB-41/64/71/72	ND		2.18		PCB-86	ND	3.25		
PCB-42/59	ND	1.34			PCB-87/117/125	ND	2.13		
PCB-43/49	2.13			J	PCB-88/91	ND	3.12		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-12	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond	Sample Size:	1.00 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	24-Feb-2014 13:55			Date Analyzed :	10-Mar-14 15:06	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.98			PCB-136	ND	2.66		
PCB-90/101	3.82			J	PCB-137	ND	1.71		
PCB-93	ND	3.04			PCB-138/163/164	2.57			J
PCB-94	ND	3.07			PCB-139/149	ND	3.24		
PCB-95/98/102	ND		2.19		PCB-140	ND	3.71		
PCB-96	ND	2.35			PCB-141	ND	1.84		
PCB-97	ND	2.62			PCB-144	ND	3.49		
PCB-99	ND	2.41			PCB-145	ND	2.40		
PCB-100	ND	2.54			PCB-146/165	ND	1.57		
PCB-103	ND	2.73			PCB-147	ND	3.39		
PCB-104	ND	1.99			PCB-148	ND	3.37		
PCB-105	ND	1.85			PCB-150	ND	2.47		
PCB-106/118	2.66			J	PCB-151	ND	3.62		
PCB-107/109	ND	1.69			PCB-152	ND	2.41		
PCB-108/112	ND	2.53			PCB-153	1.89			J
PCB-110	3.65			J	PCB-154	ND	3.13		
PCB-111/115	ND	1.89			PCB-155	ND	2.30		
PCB-113	ND	2.12			PCB-156	ND	1.31		
PCB-114	ND	1.88			PCB-157	ND	1.46		
PCB-119	ND	1.88			PCB-158/160	ND	1.49		
PCB-120	ND	1.84			PCB-159	ND	1.45		
PCB-121	ND	2.06			PCB-166	ND	1.40		
PCB-122	ND	2.09			PCB-167	ND	1.38		
PCB-123	ND	1.81			PCB-168	ND	1.38		
PCB-124	ND	1.62			PCB-169	ND	1.43		
PCB-126	ND	1.86			PCB-170	ND	1.15		
PCB-127	ND	1.80			PCB-171	ND	1.20		
PCB-128/162	ND	1.59			PCB-172	ND	1.34		
PCB-129	ND	2.19			PCB-173	ND	1.43		
PCB-130	ND	2.00			PCB-174	ND	1.19		
PCB-131	ND	2.14			PCB-175	ND	1.37		
PCB-132/161	ND	1.66			PCB-176	ND	0.995		
PCB-133/142	ND	2.04			PCB-177	ND	1.29		
PCB-134/143	ND	2.01			PCB-178	ND	1.45		
PCB-135	ND	3.73			PCB-179	ND	1.03		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-12	Date Received:	25-Feb-2014 10:15		
Project:	Stiller Pond	Sample Size:	1.00 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30		
Date Collected:	24-Feb-2014 13:55			Date Analyzed :	10-Mar-14 15:06	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.17			Total octaCB	2.84			J
PCB-181	ND	1.16			Total nonaCB	3.98			J
PCB-182/187	ND	1.27			DecaCB	ND		1.23	J
PCB-183	ND	1.23			Total PCB	56.5			B
PCB-184	ND	1.07							
PCB-185	ND	1.20							
PCB-186	ND	0.999							
PCB-188	ND	0.916							
PCB-189	ND	0.788							
PCB-190	ND	0.820							
PCB-191	ND	0.978							
PCB-192	ND	1.02							
PCB-193	ND	0.954							
PCB-194	ND	1.81							
PCB-195	ND	1.81							
PCB-196/203	ND	2.37							
PCB-197	ND	1.86							
PCB-198	ND	2.66							
PCB-199	ND	2.48							
PCB-200	2.84			J					
PCB-201	ND	1.81							
PCB-202	ND	1.84							
PCB-204	ND	1.95							
PCB-205	ND	1.50							
PCB-206	ND	1.39							
PCB-207	1.64			J					
PCB-208	2.33			J					
PCB-209	ND		1.23						
Total monoCB	ND	1.73							
Total diCB	11.9			B					
Total triCB	6.58		12.1						
Total tetraCB	16.7		18.9						
Total pentaCB	10.1		12.3						
Total hexaCB	4.46			J					
Total heptaCB	ND	1.45							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-12	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond	Sample Size:	1.00 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	24-Feb-2014 13:55			Date Analyzed:	10-Mar-14 15:06	Column:	ZB-1
				Analyst:	MAS		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	54.8	5 -145		13C-PCB-170	81.2	10 -145	
13C-PCB-3	63.2	5 -145		13C-PCB-180	76.1	10 -145	
13C-PCB-4	54.1	5 -145		13C-PCB-188	60.7	10 -145	
13C-PCB-11	64.2	5 -145		13C-PCB-189	81.8	10 -145	
13C-PCB-9	53.7	5 -145		13C-PCB-194	77.2	10 -145	
13C-PCB-19	51.2	5 -145		13C-PCB-202	55.5	10 -145	
13C-PCB-28	79.1	5 -145		13C-PCB-206	96.5	10 -145	
13C-PCB-32	53.3	5 -145		13C-PCB-208	83.4	10 -145	
13C-PCB-37	84.5	5 -145		13C-PCB-209	108	10 -145	
13C-PCB-47	70.0	5 -145		CRS 13C-PCB-79	91.5	10 -145	
13C-PCB-52	68.5	5 -145		13C-PCB-178	77.9	10 -145	
13C-PCB-54	60.4	5 -145					
13C-PCB-70	70.3	5 -145					
13C-PCB-77	89.4	10 -145					
13C-PCB-80	73.8	10 -145					
13C-PCB-81	86.6	10 -145					
13C-PCB-95	68.6	10 -145					
13C-PCB-97	76.2	10 -145					
13C-PCB-101	73.7	10 -145					
13C-PCB-104	65.6	10 -145					
13C-PCB-105	56.7	10 -145					
13C-PCB-114	55.9	10 -145					
13C-PCB-118	80.9	10 -145					
13C-PCB-123	86.2	10 -145					
13C-PCB-126	69.7	10 -145					
13C-PCB-127	62.8	10 -145					
13C-PCB-138	71.2	10 -145					
13C-PCB-141	71.5	10 -145					
13C-PCB-153	67.8	10 -145					
13C-PCB-155	54.4	10 -145					
13C-PCB-156	79.7	10 -145					
13C-PCB-157	78.2	10 -145					
13C-PCB-159	77.1	10 -145					
13C-PCB-167	78.5	10 -145					
13C-PCB-169	95.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Aqueous	Lab Sample:	1400159-13	Date Received:	25-Feb-2014 10:15
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	24-Feb-2014 12:45					Date Analyzed :	10-Mar-14 16:11 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	28.7				PCB-44	8.76			
PCB-2	ND	3.11			PCB-45	3.60			J
PCB-3	11.9				PCB-46	ND	2.48		
PCB-4/10	59.7				PCB-47	18.7			
PCB-5/8	143				PCB-48/75	ND		2.13	
PCB-6	29.1				PCB-50	ND	2.02		
PCB-7/9	14.1			J	PCB-51	ND	2.82		
PCB-11	18.0			B	PCB-52/69	7.07			J
PCB-12/13	ND	8.88			PCB-53	2.79			J
PCB-14	ND	7.43			PCB-54	ND	1.52		
PCB-15	30.6				PCB-55	ND	1.39		
PCB-16/32	68.5				PCB-56/60	2.18			J
PCB-17	33.9				PCB-57	ND	1.42		
PCB-18	104				PCB-58	ND	1.50		
PCB-19	11.4				PCB-61/70	3.41			J
PCB-20/21/33	26.3				PCB-62	ND	1.60		
PCB-22	ND		10.7		PCB-63	ND	1.45		
PCB-23	ND	2.27			PCB-65	ND	1.59		
PCB-24/27	9.01			J	PCB-67	ND	1.57		
PCB-25	4.12			J	PCB-68	4.25			J
PCB-26	ND		6.04		PCB-73	ND	1.49		
PCB-28	26.4				PCB-74	1.50			J
PCB-29	ND	2.48			PCB-76/66	ND	2.02		
PCB-30	ND	1.40			PCB-77	ND	1.23		
PCB-31	35.5				PCB-78	ND	1.38		
PCB-34	ND	2.52			PCB-79	ND	1.49		
PCB-35	ND	2.27			PCB-80	ND	1.25		
PCB-36	ND	2.23			PCB-81	ND	1.20		
PCB-37	3.71			J	PCB-82	ND	3.32		
PCB-38	ND	2.13			PCB-83	ND	2.28		
PCB-39	ND	2.15			PCB-84/92	ND	3.06		
PCB-40	ND		2.03		PCB-85/116	ND	2.65		
PCB-41/64/71/72	6.47			J	PCB-86	ND	3.52		
PCB-42/59	2.65			J	PCB-87/117/125	ND	2.31		
PCB-43/49	6.95			J	PCB-88/91	ND	3.36		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-13
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 16:11
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.14			PCB-136	ND	2.15		
PCB-90/101	2.50			J	PCB-137	ND	1.78		
PCB-93	ND	3.28			PCB-138/163/164	1.23			J
PCB-94	ND	3.31			PCB-139/149	ND	2.63		
PCB-95/98/102	ND		1.83		PCB-140	ND	3.00		
PCB-96	ND	2.58			PCB-141	ND	1.91		
PCB-97	ND	2.84			PCB-144	ND	2.83		
PCB-99	1.41			J	PCB-145	ND	1.95		
PCB-100	ND	2.79			PCB-146/165	ND	1.56		
PCB-103	ND	2.99			PCB-147	ND	2.75		
PCB-104	ND	2.18			PCB-148	ND	2.73		
PCB-105	ND	1.47			PCB-150	ND	2.00		
PCB-106/118	ND	2.03			PCB-151	ND	2.93		
PCB-107/109	ND	1.93			PCB-152	ND	1.96		
PCB-108/112	ND	2.75			PCB-153	ND	1.59		
PCB-110	2.08			J	PCB-154	ND	2.54		
PCB-111/115	ND	2.05			PCB-155	ND	1.86		
PCB-113	ND	2.24			PCB-156	ND	1.32		
PCB-114	ND	1.84			PCB-157	ND	1.42		
PCB-119	ND	2.04			PCB-158/160	ND	1.51		
PCB-120	ND	2.00			PCB-159	ND	1.48		
PCB-121	ND	2.22			PCB-166	ND	1.43		
PCB-122	ND	2.05			PCB-167	ND	1.34		
PCB-123	ND	2.07			PCB-168	ND	1.38		
PCB-124	ND	1.84			PCB-169	ND	1.35		
PCB-126	ND	2.02			PCB-170	ND	1.39		
PCB-127	ND	1.85			PCB-171	ND	1.45		
PCB-128/162	ND	1.62			PCB-172	ND	1.62		
PCB-129	ND	2.22			PCB-173	ND	1.73		
PCB-130	ND	2.08			PCB-174	ND	1.44		
PCB-131	ND	2.14			PCB-175	ND	1.87		
PCB-132/161	ND	1.66			PCB-176	ND	1.36		
PCB-133/142	ND	2.04			PCB-177	ND	1.56		
PCB-134/143	ND	2.01			PCB-178	ND	1.98		
PCB-135	ND	3.02			PCB-179	ND	1.41		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-13
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 16:11
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.42			Total octaCB	ND	2.99		
PCB-181	ND	1.40			Total nonaCB	ND	2.41		
PCB-182/187	ND	1.74			DecaCB	ND	1.26		
PCB-183	ND	1.69			Total PCB	734			B
PCB-184	ND	1.46							
PCB-185	ND	1.45							
PCB-186	ND	1.37							
PCB-188	ND	1.25							
PCB-189	ND	0.919							
PCB-190	ND	0.991							
PCB-191	ND	1.18							
PCB-192	ND	1.24							
PCB-193	ND	1.15							
PCB-194	ND	2.09							
PCB-195	ND	2.10							
PCB-196/203	ND	2.67							
PCB-197	ND	2.09							
PCB-198	ND	2.99							
PCB-199	ND	2.78							
PCB-200	ND	2.16							
PCB-201	ND	2.04							
PCB-202	ND	2.07							
PCB-204	ND	2.20							
PCB-205	ND	1.74							
PCB-206	ND	2.41							
PCB-207	ND	1.19							
PCB-208	ND	1.14							
PCB-209	ND	1.26							
Total monoCB	40.6								
Total diCB	295			B					
Total triCB	323		340						
Total tetraCB	68.3		72.5						
Total pentaCB	5.99		7.82						
Total hexaCB	1.23			J					
Total heptaCB	ND	1.98							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-13
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 16:11
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.4	5 -145		13C-PCB-170	85.9	10 -145	
13C-PCB-3	60.1	5 -145		13C-PCB-180	81.6	10 -145	
13C-PCB-4	52.4	5 -145		13C-PCB-188	59.7	10 -145	
13C-PCB-11	63.6	5 -145		13C-PCB-189	86.9	10 -145	
13C-PCB-9	52.1	5 -145		13C-PCB-194	81.3	10 -145	
13C-PCB-19	51.8	5 -145		13C-PCB-202	57.9	10 -145	
13C-PCB-28	75.0	5 -145		13C-PCB-206	100	10 -145	
13C-PCB-32	52.6	5 -145		13C-PCB-208	90.1	10 -145	
13C-PCB-37	88.5	5 -145		13C-PCB-209	115	10 -145	
13C-PCB-47	68.3	5 -145		CRS 13C-PCB-79	91.1	10 -145	
13C-PCB-52	70.2	5 -145		13C-PCB-178	77.4	10 -145	
13C-PCB-54	63.4	5 -145					
13C-PCB-70	73.9	5 -145					
13C-PCB-77	96.9	10 -145					
13C-PCB-80	76.1	10 -145					
13C-PCB-81	86.0	10 -145					
13C-PCB-95	71.7	10 -145					
13C-PCB-97	77.5	10 -145					
13C-PCB-101	76.3	10 -145					
13C-PCB-104	66.9	10 -145					
13C-PCB-105	59.2	10 -145					
13C-PCB-114	57.9	10 -145					
13C-PCB-118	85.1	10 -145					
13C-PCB-123	88.0	10 -145					
13C-PCB-126	69.2	10 -145					
13C-PCB-127	63.6	10 -145					
13C-PCB-138	73.6	10 -145					
13C-PCB-141	73.9	10 -145					
13C-PCB-153	71.5	10 -145					
13C-PCB-155	53.2	10 -145					
13C-PCB-156	83.4	10 -145					
13C-PCB-157	82.7	10 -145					
13C-PCB-159	77.7	10 -145					
13C-PCB-167	83.2	10 -145					
13C-PCB-169	95.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-14
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 13:30			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 17:15
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	29.8				PCB-44	ND		6.89	
PCB-2	2.24			J	PCB-45	3.90			J
PCB-3	12.4				PCB-46	ND	2.08		
PCB-4/10	53.7				PCB-47	4.48			J
PCB-5/8	156				PCB-48/75	2.32			J
PCB-6	27.9				PCB-50	ND	1.67		
PCB-7/9	13.9			J	PCB-51	ND	1.55		
PCB-11	15.8			B	PCB-52/69	7.47			J
PCB-12/13	ND	12.5			PCB-53	2.78			J
PCB-14	ND	10.7			PCB-54	ND	1.26		
PCB-15	32.1				PCB-55	ND	1.00		
PCB-16/32	66.8				PCB-56/60	ND	1.06		
PCB-17	34.7				PCB-57	ND	1.03		
PCB-18	95.1				PCB-58	ND	1.09		
PCB-19	11.7				PCB-61/70	ND		2.26	
PCB-20/21/33	ND		21.2		PCB-62	ND	1.22		
PCB-22	13.4				PCB-63	ND	1.05		
PCB-23	ND	2.28			PCB-65	ND	1.21		
PCB-24/27	7.39			J	PCB-67	ND	1.14		
PCB-25	ND	2.50			PCB-68	ND	1.09		
PCB-26	6.20				PCB-73	ND	1.25		
PCB-28	22.5				PCB-74	ND		1.64	
PCB-29	ND	2.49			PCB-76/66	ND	1.01		
PCB-30	ND	1.26			PCB-77	ND	0.898		
PCB-31	ND		25.0		PCB-78	ND	1.01		
PCB-34	ND	2.54			PCB-79	ND	1.07		
PCB-35	ND	1.82			PCB-80	ND	0.893		
PCB-36	ND	1.79			PCB-81	ND	0.881		
PCB-37	ND	1.94			PCB-82	ND	2.53		
PCB-38	ND	1.71			PCB-83	ND	1.86		
PCB-39	ND	1.73			PCB-84/92	ND	2.65		
PCB-40	ND	2.07			PCB-85/116	ND	2.17		
PCB-41/64/71/72	4.38			J	PCB-86	ND	2.87		
PCB-42/59	ND	1.32			PCB-87/117/125	ND	1.89		
PCB-43/49	6.49			J	PCB-88/91	ND	2.67		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-14
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 13:30			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 17:15
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.73			PCB-136	ND	2.59		
PCB-90/101	ND	2.32			PCB-137	ND	1.31		
PCB-93	ND	2.60			PCB-138/163/164	ND	1.10		
PCB-94	ND	2.62			PCB-139/149	ND	3.17		
PCB-95/98/102	ND	2.44			PCB-140	ND	3.62		
PCB-96	ND	2.12			PCB-141	ND	1.40		
PCB-97	ND	2.32			PCB-144	ND	3.40		
PCB-99	ND	2.21			PCB-145	ND	2.35		
PCB-100	ND	2.29			PCB-146/165	ND	1.05		
PCB-103	ND	2.46			PCB-147	ND	3.31		
PCB-104	ND	1.79			PCB-148	ND	3.29		
PCB-105	ND	1.62			PCB-150	ND	2.41		
PCB-106/118	ND	1.58			PCB-151	ND	3.53		
PCB-107/109	ND	1.47			PCB-152	ND	2.36		
PCB-108/112	ND	2.24			PCB-153	ND	1.06		
PCB-110	ND	1.76			PCB-154	ND	3.06		
PCB-111/115	ND	1.67			PCB-155	ND	2.25		
PCB-113	ND	1.94			PCB-156	ND	0.896		
PCB-114	ND	1.52			PCB-157	ND	1.00		
PCB-119	ND	1.67			PCB-158/160	ND	1.06		
PCB-120	ND	1.63			PCB-159	ND	1.08		
PCB-121	ND	1.76			PCB-166	ND	1.05		
PCB-122	ND	1.69			PCB-167	ND	0.974		
PCB-123	ND	1.58			PCB-168	ND	0.923		
PCB-124	ND	1.41			PCB-169	ND	1.01		
PCB-126	ND	1.62			PCB-170	ND	0.965		
PCB-127	ND	1.61			PCB-171	ND	0.989		
PCB-128/162	ND	1.19			PCB-172	ND	1.10		
PCB-129	ND	1.56			PCB-173	ND	1.18		
PCB-130	ND	1.52			PCB-174	ND	0.982		
PCB-131	ND	1.43			PCB-175	ND	1.21		
PCB-132/161	ND	1.11			PCB-176	ND	0.884		
PCB-133/142	ND	1.37			PCB-177	ND	1.06		
PCB-134/143	ND	1.35			PCB-178	ND	1.29		
PCB-135	ND	3.64			PCB-179	ND	0.914		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-14
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 13:30			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 17:15
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.967			Total octaCB	ND	2.42		
PCB-181	ND	0.954			Total nonaCB	ND	2.13		
PCB-182/187	ND	1.13			DecaCB	ND	1.59		
PCB-183	ND	1.10			Total PCB	634			B
PCB-184	ND	0.949							
PCB-185	ND	0.986							
PCB-186	ND	0.888							
PCB-188	ND	0.814							
PCB-189	ND	0.688							
PCB-190	ND	0.689							
PCB-191	ND	0.806							
PCB-192	ND	0.844							
PCB-193	ND	0.786							
PCB-194	ND	1.83							
PCB-195	ND	1.84							
PCB-196/203	ND	2.16							
PCB-197	ND	1.69							
PCB-198	ND	2.42							
PCB-199	ND	2.25							
PCB-200	ND	1.75							
PCB-201	ND	1.65							
PCB-202	ND	1.68							
PCB-204	ND	1.78							
PCB-205	ND	1.52							
PCB-206	ND	2.13							
PCB-207	ND	1.08							
PCB-208	ND	1.04							
PCB-209	ND	1.59							
Total monoCB	44.4								
Total diCB	300			B					
Total triCB	258		304						
Total tetraCB	31.8		42.6						
Total pentaCB	ND	2.87							
Total hexaCB	ND	3.64							
Total heptaCB	ND	1.29							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400159-14
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	25-Feb-2014 10:15
Date Collected:	24-Feb-2014 13:30			QC Batch:	B4C0018
				Date Analyzed:	10-Mar-14 17:15
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	41.0	5 -145		13C-PCB-170	95.8	10 -145	
13C-PCB-3	52.8	5 -145		13C-PCB-180	90.6	10 -145	
13C-PCB-4	45.9	5 -145		13C-PCB-188	69.4	10 -145	
13C-PCB-11	63.2	5 -145		13C-PCB-189	96.2	10 -145	
13C-PCB-9	46.8	5 -145		13C-PCB-194	85.1	10 -145	
13C-PCB-19	49.7	5 -145		13C-PCB-202	66.3	10 -145	
13C-PCB-28	78.0	5 -145		13C-PCB-206	114	10 -145	
13C-PCB-32	54.3	5 -145		13C-PCB-208	97.7	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	128	10 -145	
13C-PCB-47	72.2	5 -145		CRS 13C-PCB-79	96.0	10 -145	
13C-PCB-52	69.0	5 -145		13C-PCB-178	86.0	10 -145	
13C-PCB-54	59.1	5 -145					
13C-PCB-70	79.8	5 -145					
13C-PCB-77	103	10 -145					
13C-PCB-80	81.7	10 -145					
13C-PCB-81	94.1	10 -145					
13C-PCB-95	74.6	10 -145					
13C-PCB-97	81.8	10 -145					
13C-PCB-101	78.5	10 -145					
13C-PCB-104	68.3	10 -145					
13C-PCB-105	63.5	10 -145					
13C-PCB-114	63.0	10 -145					
13C-PCB-118	91.0	10 -145					
13C-PCB-123	97.1	10 -145					
13C-PCB-126	79.4	10 -145					
13C-PCB-127	73.2	10 -145					
13C-PCB-138	83.0	10 -145					
13C-PCB-141	83.0	10 -145					
13C-PCB-153	80.4	10 -145					
13C-PCB-155	57.0	10 -145					
13C-PCB-156	93.8	10 -145					
13C-PCB-157	92.1	10 -145					
13C-PCB-159	86.3	10 -145					
13C-PCB-167	89.8	10 -145					
13C-PCB-169	113	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
Arkansas Department of Environmental Quality	13-017-0
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Mississippi Department of Health	N/A
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
North Dakota Department of Health	R-078
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	010
South Carolina Department of Health	87002001
Tennessee Dept of Environment and Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2358
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY
 Laboratory Project ID: 1400159 Storage Secured Yes No
 Storage ID: WR-2 Temp: 0.6 °C

Project I.D.: STILLER Pond P.O.# _____ Sampler: TARA PATTEN
 (Name)

TAT: (Check One):
 Standard: 21 Days
 Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name C.H.R.T.S. SHEETS Company WALLEN WILSON BASIN WATERSHED COUNCIL Address 810 SPAIN City MELTON GREENWATER OR State _____ Zip 97302 Ph# _____ Fax# 541-938 2170
 Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 2-24-14 Time: 14:00 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) URS Date: 2/25/14 Time: 16:15 Received by: (Signature and Printed Name) Benedict B. Benedict Date: 2/25/14 Time: 16:18

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 • Fax (916) 673-0106
 Method of Shipment: _____
 Tracking No.: _____
 Add Analysis(es) Requested
 EPA1613 EPA8290 EPA8280 EPA1668 EPA1614 CARB429
 Container(s)
 Quantity Type Matrix 2378-TCDD 2378-TCDD/TCDF PCDD/PCDF 2378-TCDD 2378-TCDD/TCDF PCDD/PCDF 2378-TCDD 2378-TCDD/TCDF PCDD/PCDF TOTALS COPLANAR PCB-s 209 CONGENERS PBDE PAH WHO-29

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB-s	209 CONGENERS	PBDE	PAH	WHO-29	
<u>SOIL #1</u>	<u>2/24/14</u>	<u>10:30</u>	<u>Stiller Pond</u>													X						
<u>SOIL #2</u>		<u>10:48</u>														X						
<u>SOIL #3</u>		<u>10:56</u>														X						
<u>SOIL #4</u>		<u>11:06</u>														X						
<u>SOIL #5</u>		<u>11:15</u>														X						
<u>SOIL #6</u>		<u>11:24</u>														X						
<u>SOIL #7</u>		<u>11:32</u>														X						
<u>SOIL #8</u>		<u>11:41</u>														X						
<u>SOIL #9</u>		<u>11:53</u>														X						
<u>SOIL #10</u>		<u>12:02</u>														X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: _____
 Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____
 Email: _____
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
 P = PUF, T = MM5 Train, O = Other

*Bottle Preservative Type: T = Thiosulfate,
 O = Other



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1400159

Yes No

Storage ID: WR2

Temp: 0.6 °C

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Project I.D.: STILLER POND P.O.# _____ Sampler: STEVEN PATTON
(Name)

Invoice to: Name WALAW WALA BAYOU WATERSHED COUNCIL Company 810 S. MADU Address MILTON FREEWATER City OR State 97862 Zip 541-928-2170 Ph# 541-928-2170 Fax#

Relinquished by: (Signature and Printed Name) STEVEN PATTON Date: 2-21-14 Time: 15:00 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) UPS Date: 2/25/14 Time: 10:15 Received by: (Signature and Printed Name) B. Benedict Date: 02/25/14 Time: 10:18

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: _____

Add Analysis(es) Requested

Container(s)

ATTN: _____

Tracking No.: _____

			EPA1613		EPA8290		EPA8280		EPA1668		EPA1614		CARB429	
			PCDD/PCDF		PCDD/PCDF		PCDD/PCDF		PCDD/PCDF		COPLANAR PCB's		209 CONGENERS	
			PCDD/PCDF		PCDD/PCDF		PCDD/PCDF		PCDD/PCDF		PAH		WHO-29	
			TOTALS		TOTALS		TOTALS		TOTALS		TOTALS		TOTALS	

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
GW-146	2/24/14		STILLER POND	2L	A	AQ										X						
GW-136	2/24/14	11:45	STILLER POND	2L	A	AQ										X						
GW-145	2/24/14	12:45	STILLER POND	2L	A	AQ										X						
GW-147	2/24/14	13:30	STILLER POND	2L	A	AQ										X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: _____
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
Email: _____

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other A

*Bottle Preservative Type: T = Thiosulfate,
O = Other PLE

Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
AQ = Aqueous, O = Other _____

WHITE - ORIGINAL

YELLOW - ARCHIVE

PINK - COPY

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400159

TAT Std

Samples Arrival:	Date/Time: 2/25/14 1015	Initials: <u>AB</u>	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time: 2/25/14 1326	Initials: <u>AB</u>	Location: WR-2
			Shelf/Rack: E4/B5
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 0.6 (uncorrected)	Time: 1016		Thermometer ID: IR-2
Temp °C: 0.6 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	Trk # 1Z 62E3F 701 92348154	✓	
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?	✓		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?		COC	Sample Container
			<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
			Return
			Dispose

Comments:

Sample ID: AQ Samples date time
 Mill Creek A & B containers 2/24/14 1355
 GW -147 1330
 GW -145 1245
 GW -146 1100

Sample ID: Soil Samples date time
 Soil #1 2/24/14 1030
 Soil #2 1048
 Soil #5 1115
 Soil #6 1124
 Soil #10 1202
 Soil #9 1153
 Soil #4 1106
 Soil #3 1056
 Soil #8 1141
 Soil #7 1132

Sample Login 11/2013 ckt

Chain of Custody Anomaly/Sample Acceptance Form



Client: Walla Walla Basin Watershed Council
 Contact: Steven Patten
 Email: steven.patten@wwbwc.org
 Phone: (541) 938-2170

Workorder Number: 1400159
 Date Received: 25-Feb-14 10:15
 Documented by/date: B.Benedict 02/25/2014

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis.

Thank you,

Martha Maier
 mmaier@vista-analytical.com
 916-673-1520

The following information or item is needed to proceed with analysis:

- | | | |
|--|---|---|
| <input type="checkbox"/> Complete Chain-of-Custody | <input type="checkbox"/> Preservative | <input type="checkbox"/> Collector's Name |
| <input type="checkbox"/> Test Method Requested | <input type="checkbox"/> Sample Identification | <input type="checkbox"/> Sample Type |
| <input type="checkbox"/> Analyte List Requested | <input type="checkbox"/> Sample Collection Date and/or Time | <input type="checkbox"/> Sample Location |
| <input checked="" type="checkbox"/> Other: | | |

Received a sample not listed on the COC, "Mill Creek" Collection Date: 2/24/14; Time: 1355
 Didn't receive sample "GW-136" Per COC Collection Date: 02/24/14; Time: 1145

The following anomalies were noted. Authorization is needed to proceed with analysis.

- | | | | |
|--|---|-----|-----------|
| <input type="checkbox"/> Temperature outside < 6°C Range | Samples Affected: _____ | | |
| Temperature _____ °C | Ice Present? | Yes | No Melted |
| <input type="checkbox"/> Sample ID Discrepancy | <input type="checkbox"/> Insufficient Sample Size | | |
| <input type="checkbox"/> Sample Holding Time Missed | <input type="checkbox"/> Sample Container(s) Broken | | |
| <input type="checkbox"/> Custody Seals Broken | <input type="checkbox"/> Incorrect Container Type | | |

Comments:

Client Authorization

Proceed with Analysis: YES NO Signature and Date _____

Client Comments/Instructions _____



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March 19, 2014

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-03280 - Water Quality

Dear Mr. Steven Patten,

Your project: Water Quality, was received on Wednesday February 26, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03280**
Project: Water Quality

Lab Number: 08128
Field ID: Mill Creek
Sample Description: Wallula Bridge
Matrix: Surface Water
Sample Date: 2/25/14
Extraction Date: 3/10/14
Extraction Method: 5030B

Report Date: 3/14/14
Date Analyzed: 3/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140310

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.18	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.14	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.17	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.1	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.11	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.07	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.16	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.18	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.09	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.12	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4		1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.16	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.11	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.11	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.09	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.21	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.17	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.07	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.24	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.1	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.09	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.08	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.13	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.13	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.11	1.00	
10061-02-	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.07	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
75-69-4	TRICHLOROFUOROMETHANE	ND		ug/L	0.4	0.4	0.23	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03280**
Project: Water Quality

Lab Number: 08128
Field ID: Mill Creek
Sample Description: Wallula Bridge
Matrix: Surface Water
Sample Date: 2/25/14
Extraction Date: 3/5/14
Extraction Method: 3510C

Report Date: 3/14/14
Date Analyzed: 3/5/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03280**
Project: Water Quality

Lab Number: 08128
Field ID: Mill Creek
Sample Description: Wallula Bridge
Matrix: Surface Water
Sample Date: 2/25/14
Extraction Date: 3/3/14
Extraction Method: 3510C

Report Date: 3/17/14
Date Analyzed: 3/4/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081A_140303

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-03280**
Project: Water Quality

Report Date: 3/19/14
Date Received: 2/26/14
Reviewed by:

Sample Description: Mill Creek - Wallula Bridge										Sample Date: 2/25/14		
Lab Number: 8128		Sample Comment:								Collected By: Unknown		
CAS ID#	Parameter	Result	PQL	RL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	0.0002	8.80E-05	mg/L	1.00	245.1	3/3/14	EAF	245.1_140303	
NA	BICARBONATE	33	1.00	1.00		mg CaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
NA	CARBONATE	ND	1.00	1.00		mgCaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
16887-00-6	CHLORIDE	2.88	0.1	0.1	0.01	mg/L	1.00	300.0	2/26/14	SRF	I140226A	
14808-79-8	SULFATE	1.88	0.2	1	0.015	mg/L	1.00	300.0	2/26/14	SRF	I140226A	
16984-48-8	FLUORIDE	ND	0.1	0.1	0.006	mg/L	1.00	300.0	2/26/14	SRF	I140226A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	95	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-11712	COLOR	15	5	5		Color Units	0.00	SM2120 B	2/26/14	EAF	COLOR_140226	pH:7.52
NA	SURFACTANTS	ND	0.05	0.05		mg/L	1.00	SM5540 C	3/7/14	MB	AMTEST_140307	Analyzedby Amtest
14797-55-8	NITRATE-N	0.44	0.100	0.100	0.008	mg/L	1.00	300.0	2/26/14	SRF	I140226A	
E-10617	TURBIDITY	4.00	0.10	0.10		NTU	1.00	180.1	2/26/14	EAF	TURB_140226	
NA	CORROSIVITY	-1.84				SI	1.00	SM203	3/10/14	MVP	COR_140310	
E-14506	ALKALINITY	33	1.00	1.00		mg CaCO3/L	0.00	SM2320 B	2/27/14	SRF	ALK_140227	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	95	10	10		mg/L	1.00	SM2540 C	3/3/14	SRF	TDS_140303	
E-10139	HYDROGEN ION (pH)	7.52				pH Units	1.00	SM4500-H+ B	2/26/14	EAF	ph_140226	
E-11734	ODOR	2.83	1	1		TON	1.00	SM2150	2/26/14	MMH	ODOR_140226	Temperature: 39.4
E-14551	Fecal Coliform	NA	1	1		MPN/100ml	0.00	SM9221 E	2/26/14			
7439-89-6	IRON	0.76	0.050	0.050	0.0013	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7439-96-5	MANGANESE	0.008	0.005	0.005	0.0001	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	
7440-39-3	BARIUM	0.009	0.001	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-43-9	CADMIUM	ND	0.001	0.001	4.93E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-47-3	CHROMIUM	0.0002 J	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-50-8	COPPER	0.0012 J	0.002	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7439-92-1	LEAD	0.00009	0.0005	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7782-49-2	SELENIUM	ND	0.005	0.005	3.12E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-22-4	SILVER	ND	0.001	0.001	5.50E-06	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-66-6	ZINC	0.0026	0.0025	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/6/14	MVP	200.8_140306WW	
7440-70-2	CALCIUM	7.0	0.5	0.5	0.007	mg/L	1.00	200.7/3010A	3/5/14	BJ	200.7-140305D	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

	E. Coli	32.7	1	1		MPN/100mL.00	SM9223 B.2.b/Coliler 2/27/14	CLC	QT_140226
	TOTAL COLIFORM	206.4	1	1		MPN/100mL.00	SM9223 B.2.b/Coliler 2/27/14	CLC	QT_140226
7723-14-0	TOTAL PHOSPHORUS	0.188	0.020	0.020	0.0061	mg/L	2.00 SM4500-P F/SM4500 3/3/14	SPL	TPHOS-140303

Notes:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03280
Report Date: 03/19/14

Batch	Analyte	True				%		QC	
		Result	Value	Units	Method	Recovery	Limits*	Qualifier Type*	Comment
200.7-140305D	CALCIUM	25.1	26	mg/L	200.7	97	85-115	LFB	
	IRON	0.96	1	mg/L	200.7	96	85-115		
	MANGANESE	0.96	1	mg/L	200.7	96	85-115		
200.8_140306WW	BARIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	CADMIUM	0.039	0.040	mg/L	200.8	98	85-115		
	CHROMIUM	0.039	0.040	mg/L	200.8	98	85-115		
	COPPER	0.041	0.040	mg/L	200.8	103	85-115		
	LEAD	0.040	0.040	mg/L	200.8	100	85-115		
	SELENIUM	0.038	0.040	mg/L	200.8	95	85-115		
	SILVER	0.039	0.040	mg/L	200.8	98	85-115		
200.8_140306WW	ZINC	0.039	0.040	mg/L	200.8	98	85-115		
	BARIUM	0.0021	0.002	mg/L	200.8	105	85-115	LFB	
	CADMIUM	0.0019	0.002	mg/L	200.8	95	85-115		
	CHROMIUM	0.0022	0.002	mg/L	200.8	110	85-115		
	COPPER	0.0019	0.002	mg/L	200.8	95	85-115		
	LEAD	0.002	0.002	mg/L	200.8	100	85-115		
	SELENIUM	0.0018	0.002	mg/L	200.8	90	85-115		
245.1_140303	SILVER	0.0021	0.002	mg/L	200.8	105	85-115		
	ZINC	0.0018	0.002	mg/L	200.8	90	85-115		
245.1_140303	MERCURY	0.00181	0.00167	mg/L	245.1	108	85-115	LFB	
8081A_140303	4,4' - DDD	0.54	0.5	ug/L	8081A	108	78-132	LFB	
	4,4' - DDE	0.52	0.5	ug/L	8081A	104	73-127		
	4,4' - DDT	0.57	0.5	ug/L	8081A	114	56-158		
	ALDRIN	0.5	0.5	ug/L	8081A	100	68-128		
	ALPHA-CHLORDANE	0.51	0.5	ug/L	8081A	102	70-130		
	BHC, ALPHA -	0.49	0.5	ug/L	8081A	98	37-134		
	BHC, BETA -	0.54	0.5	ug/L	8081A	108	17-147		
	BHC, DELTA -	0.54	0.5	ug/L	8081A	108	32-127		
	DIELDRIN	0.53	0.5	ug/L	8081A	106	74-134		

*Notation:
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8081A_140303	ENDOSULFAN I	0.43	0.5	ug/L	8081A	86	67-133		LFB	
	ENDOSULFAN II	0.51	0.5	ug/L	8081A	102	64-142			
	ENDOSULFAN SULFATE	0.54	0.5	ug/L	8081A	108	71-143			
	ENDRIN	0.47	0.5	ug/L	8081A	94	30-147			
	ENDRIN ALDEHYDE	0.36	0.5	ug/L	8081A	72	78-110			
	ENDRIN KETONE	0.52	0.5	ug/L	8081A	104	70-130			
	GAMMA-CHLORDANE	0.52	0.5	ug/L	8081A	104	74-124			
	HEPTACHLOR	0.5	0.5	ug/L	8081A	100	61-133			
	HEPTACHLOR EPOXIDE "B"	0.5	0.5	ug/L	8081A	100	73-127			
	LINDANE (BHC - GAMMA)	0.53	0.5	ug/L	8081A	106	17-140			
	METHOXYCHLOR	0.63	0.5	ug/L	8081A	126	41-157			
	DECACHLOROBIPHENYL (Surr)	139		%	8081A		58-132			
	TETRACHLORO-M-XYLENE (Surr)	112		%	8081A		67-115			
8151W_140303	PICLORAM	0.82	2.22	ug/L	8151A	37	48-114	LR	LFB	
	3,5 - DICHLOROBENZOIC ACID	1.6	2.22	ug/L	8151A	72	70-130			
	BENTAZON	4.04	4.44	ug/L	8151A	91	67-121			
	TOTAL DCPA	1.94	2.22	ug/L	8151A	87	48-168			
	2,4 - D	2.92	4.44	ug/L	8151A	66	60-120			
	2,4 DB	13.4	17.8	ug/L	8151A	75	49-134			
	2,4,5 - TP (SILVEX)	1.82	2.22	ug/L	8151A	82	68-122			
	2,4,5 T	1.75	2.22	ug/L	8151A	79	62-128			
	DALAPON	26	28.9	ug/L	8151A	90	53-142			
	DICAMBA	1.81	2.22	ug/L	8151A	82	66-126			
	DICHLORPROP	4.8	6.66	ug/L	8151A	72	63-123			
	DINOSEB	3.54	4.44	ug/L	8151A	80	73-127			
	MCPA	1.27	2.22	ug/L	8151A	57	49-121			
	MCPP	1.44	2.22	ug/L	8151A	65	48-126			
	PENTACHLOROPHENOL	2.14	2.22	ug/L	8151A	96	69-123			
	ACIFLUORFEN	1.99	2.22	ug/L	8151A	90	65-125			
	TRICLOPYR	1.56	2.22	ug/L	8151A	70	70-130			
2,4 - DCAA (Surr)	77		%	8151A		61-129				
8260W_140310	1,1 - DICHLOROETHANE	4.5	4	ug/L	8260B	113	70-130		LFB	

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140310	1,1 - DICHLOROETHYLENE	4.1	4	ug/L	8260B	103	70-130	LFB	
	1,1 - DICHLOROPROPENE	4.3	4	ug/L	8260B	108	70-130		
	1,1,1 - TRICHLOROETHANE	4.5	4	ug/L	8260B	113	70-130		
	1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	70-130		
	1,1,2 - TRICHLOROETHANE	3.7	4	ug/L	8260B	93	70-130		
	1,1,2,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	70-130		
	1,2 - DICHLOROBENZENE (ortho)	3.8	4	ug/L	8260B	95	70-130		
	1,2 - DICHLOROETHANE	4.3	4	ug/L	8260B	108	70-130		
	1,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	70-130		
	1,2,3 - TRICHLOROBENZENE	3.9	4	ug/L	8260B	98	70-130		
	1,2,3 - TRICHLOROPROPANE	3.9	4	ug/L	8260B	98	70-130		
	1,2,4 - TRICHLOROBENZENE	3.1	4	ug/L	8260B	78	70-130	LR	
	1,2,4 - TRIMETHYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	1,2-DIBROMO-3-CHLOROPROPANE	3.9	4	ug/L	8260B	98	70-130		
	1,3 - DICHLOROBENZENE (meta)	3.7	4	ug/L	8260B	93	70-130		
	1,3 - DICHLOROPROPANE	3.7	4	ug/L	8260B	93	70-130		
	1,3,5 - TRIMETHYLBENZENE	4.2	4	ug/L	8260B	105	70-130		
	1,4 - DICHLOROBENZENE (para)	3.8	4	ug/L	8260B	95	70-130		
	2,2 - DICHLOROPROPANE	4.6	4	ug/L	8260B	115	70-130		
	BENZENE	4.1	4	ug/L	8260B	103	70-130		
	BROMOBENZENE	3.6	4	ug/L	8260B	90	70-130		
	BROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	70-130		
	BROMODICHLOROMETHANE	4.2	4	ug/L	8260B	105	70-130		
	BROMOFORM	3.6	4	ug/L	8260B	90	70-130		
	BROMOMETHANE	4.1	4	ug/L	8260B	103	70-130		
	CARBON TETRACHLORIDE	4.5	4	ug/L	8260B	113	70-130		
	CHLOROBENZENE	3.7	4	ug/L	8260B	93	70-130		
	CHLOROETHANE	4.3	4	ug/L	8260B	108	70-130		
	CHLOROFORM	4.4	4	ug/L	8260B	110	70-130		
	CHLOROMETHANE	3.9	4	ug/L	8260B	98	70-130		
	CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	70-130		
	CIS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	70-130		
	DIBROMOCHLOROMETHANE	3.7	4	ug/L	8260B	93	70-130		
	DIBROMOMETHANE	3.7	4	ug/L	8260B	93	70-130		
	DICHLORODIFLUOROMETHANE	3.4	4	ug/L	8260B	85	70-130		
	ETHYLBENZENE	4.0	4	ug/L	8260B	100	70-130		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits*	
8260W_140310	HEXACHLOROBUTADIENE	4.0	4	ug/L	8260B	100	70-130	LFB	
	ISOPROPYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	M,P- XYLENE	7.9	8	ug/L	8260B	99	70-130		
	METHYL TERT-BUTYL ETHER	3.8	4	ug/L	8260B	95	70-130		
	METHYLENE CHLORIDE	4.1	4	ug/L	8260B	103	70-130		
	N - BUTYLBENZENE	3.5	4	ug/L	8260B	88	70-130		
	N - PROPYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	NAPHTHALENE	3.7	4	ug/L	8260B	93	70-130		
	O - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	70-130		
	O - XYLENE	3.8	4	ug/L	8260B	95	70-130		
	P - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	70-130		
	P - ISOPROPYLTOLUENE	4.0	4	ug/L	8260B	100	70-130		
	SEC - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	STYRENE	3.5	4	ug/L	8260B	88	70-130		
	TERT - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	TETRACHLOROETHYLENE	3.9	4	ug/L	8260B	98	70-130		
	TOLUENE	4.1	4	ug/L	8260B	103	70-130		
	TRANS - 1,2 - DICHLOROETHENE	4.2	4	ug/L	8260B	105	70-130		
	TRANS - 1,3 - DICHLOROPROPENE	3.8	4	ug/L	8260B	95	70-130		
	TRICHLOROETHENE	4.2	4	ug/L	8260B	105	70-130		
TRICHLOROFLUOROMETHANE	4.8	4	ug/L	8260B	120	70-130	AH		
VINYL CHLORIDE	4.1	4	ug/L	8260B	103	70-130			
1,2 - DICHLOROETHANE-d4 (Surr)	117	100	ug/L	8260B	117	70-130			
1,4 - DIFLUOROBENZENE-d4 (Surr)	99	100	ug/L	8260B	99	70-130			
4-BROMOFLUOROBENZENE (Surr)	108	100	ug/L	8260B	108	70-130			
d8-TOLUENE (Surr)	101	100	ug/L	8260B	101				
ALK_140227	ALKALINITY	98.3	100	mg CaCO3/ISM2320 B		98	70-130	LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081A_140303	4,4' - DDD	0.046	0.05	ug/L	8081A	92	78-132	LFBD		
	4,4' - DDE	0.055	0.05	ug/L	8081A	110	73-127			
	4,4' - DDT	0.045	0.05	ug/L	8081A	90	56-158			
	ALDRIN	0.046	0.05	ug/L	8081A	92	68-128			
	ALPHA-CHLORDANE	0.045	0.05	ug/L	8081A	90	70-130			
	BHC, ALPHA -	0.044	0.05	ug/L	8081A	88	37-134			
	BHC, BETA -	0.04	0.05	ug/L	8081A	80	17-147			
	BHC, DELTA -	0.038	0.05	ug/L	8081A	76	32-127			
	DIELDRIN	0.044	0.05	ug/L	8081A	88	74-134			
	ENDOSULFAN I	0.059	0.05	ug/L	8081A	118	67-133			
	ENDOSULFAN II	0.061	0.05	ug/L	8081A	122	64-142			
	ENDOSULFAN SULFATE	0.057	0.05	ug/L	8081A	114	71-143			
	ENDRIN	0.047	0.05	ug/L	8081A	94	30-147			
	ENDRIN ALDEHYDE	0.052	0.05	ug/L	8081A	104	78-110			
	ENDRIN KETONE	0.056	0.05	ug/L	8081A	112	70-130			
	GAMMA-CHLORDANE	0.052	0.05	ug/L	8081A	104	74-124			
	HEPTACHLOR	0.038	0.05	ug/L	8081A	76	61-133			
	HEPTACHLOR EPOXIDE "B"	0.057	0.05	ug/L	8081A	114	73-127			
	LINDANE (BHC - GAMMA)	0.037	0.05	ug/L	8081A	74	17-140			
	METHOXYCHLOR	0.054	0.05	ug/L	8081A	108	41-157			
DECACHLOROBIPHENYL (Surr)	115		%	8081A		58-132				
TETRACHLORO-M-XYLENE (Surr)	95		%	8081A		67-115				

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-03280
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140305D	CALCIUM	ND		mg/L	200.7		0.00000		LRB	
	IRON	ND		mg/L	200.7		0.02500			
	MANGANESE	ND		mg/L	200.7		0.00250			
200.8_140306WW	BARIUM	ND		mg/L	200.8		0.00050		LRB	
	CADMIUM	ND		mg/L	200.8		0.00050			
	CHROMIUM	ND		mg/L	200.8		0.00250			
	COPPER	ND		mg/L	200.8		0.00250			
	LEAD	ND		mg/L	200.8		0.00050			
	SELENIUM	ND		mg/L	200.8		0.00250			
	SILVER	ND		mg/L	200.8		0.00050			
	ZINC	ND		mg/L	200.8		0.00250			
245.1_140303	MERCURY	ND		mg/L	245.1		0.00010		LRB	
ALK_140227	ALKALINITY	ND		mg CaCO3/ISM2320 B			0.00000		LRB	
color_140226	COLOR	ND		CU	SM2120 B		5.00000		LRB	
I140226A	FLUORIDE	ND		mg/L	300.0		0.01000		LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000			
	CHLORIDE	ND		mg/L	300.0		0.10000			
	SULFATE	ND		mg/L	300.0		0.10000			
TPHOS-140303	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.01000		LRB	
turb_140226	TURBIDITY	ND		NTU	180.1		0.02000		LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type*	Comment
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LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140305D	CALCIUM	ND		mg/L	200.7		0.00000		MB	
	IRON	ND		mg/L	200.7		0.02500			
	MANGANESE	ND		mg/L	200.7		0.00250			
200.8_140306WW	BARIUM	ND		mg/L	200.8		0.00050		MB	
	CADMIUM	ND		mg/L	200.8		0.00050			
	CHROMIUM	ND		mg/L	200.8		0.00250			
	COPPER	ND		mg/L	200.8		0.00250			
	LEAD	ND		mg/L	200.8		0.00050			
	SELENIUM	ND		mg/L	200.8		0.00250			
	SILVER	ND		mg/L	200.8		0.00050			
	ZINC	ND		mg/L	200.8		0.00250			
8081A_140303	4,4' - DDD	ND		ug/L	8081A		0.02000		MB	
	4,4' - DDE	ND		ug/L	8081A		0.02000			
	4,4' - DDT	ND		ug/L	8081A		0.02000			
	ALDRIN	ND		ug/L	8081A		0.02000			
	ALPHA-CHLORDANE	ND		ug/L	8081A		0.02000			
	BHC, ALPHA -	ND		ug/L	8081A		0.02000			
	BHC, BETA -	ND		ug/L	8081A		0.02000			
	BHC, DELTA -	ND		ug/L	8081A		0.02000			
	DIELDRIN	ND		ug/L	8081A		0.02000			
	ENDOSULFAN I	ND		ug/L	8081A		0.02000			
	ENDOSULFAN II	ND		ug/L	8081A		0.02000			
	ENDOSULFAN SULFATE	ND		ug/L	8081A		0.02000			
	ENDRIN	ND		ug/L	8081A		0.02000			
	ENDRIN ALDEHYDE	ND		ug/L	8081A		0.02000			
	ENDRIN KETONE	ND		ug/L	8081A		0.02000			
	GAMMA-CHLORDANE	ND		ug/L	8081A		0.02000			
	HEPTACHLOR	ND		ug/L	8081A		0.02000			
	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0.02000			
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0.02000			
	METHOXYCHLOR	ND		ug/L	8081A		0.02000			
TOXAPHENE	ND		ug/L	8081A		0.02000				

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8081A_140303	DECACHLOROBIPHENYL (Surr)	117		%	8081A				
	TETRACHLORO-M-XYLENE (Surr)	101		%	8081A				
8151W_140303	PICLORAM	ND		ug/L	8151A	0.07000		MB	
	3,5 - DICHLOROBenZOIC ACID	ND		ug/L	8151A	0.20000			
	BENTAZON	ND		ug/L	8151A	0.20000			
	TOTAL DCPA	ND		ug/L	8151A	0.03000			
	2,4 - D	ND		ug/L	8151A	0.03000			
	2,4 DB	ND		ug/L	8151A	0.30000			
	2,4,5 - TP (SILVEX)	ND		ug/L	8151A	0.03000			
	2,4,5 T	ND		ug/L	8151A	0.03000			
	DALAPON	ND		ug/L	8151A	0.40000			
	DICAMBA	ND		ug/L	8151A	0.03000			
	DICHLORPROP	ND		ug/L	8151A	0.03000			
	DINOSEB	ND		ug/L	8151A	0.03000			
	MCPA	ND		ug/L	8151A	0.03000			
	MCPP	ND		ug/L	8151A	0.03000			
	PENTACHLOROPHENOL	ND		ug/L	8151A	0.03000			
	ACIFLUORFEN	ND		ug/L	8151A	0.03000			
	TRICLOPYR	ND		ug/L	8151A	0.03000			
2,4 - DCAA (Surr)	84		%	8151A	0.00000				
8260W_140310	1,1 - DICHLOROETHANE	ND		ug/L	8260B	0.12000		MB	TB 14-03181
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2 - DICHLOROETHANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B	0.12000			TB 14-03181
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B	0.12000			TB 14-03181

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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8260W_140310	1,2,4 - TRICHLORO BENZENE	ND		ug/L	8260B	0.12000	0.12000	MB		TB 14-03181
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMODICHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOFORM	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	BROMOMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CARBON TETRACHLORIDE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLORO BENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLOROETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLOROFORM	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	DIBROMOMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	ETHYLBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	HEXACHLORO BUTADIENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	ISOPROPYLBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	M,P- XYLENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0.25000	0.25000			TB 14-03181
	METHYLENE CHLORIDE	ND		ug/L	8260B	0.50000	0.50000			TB 14-03181
	N - BUTYLBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	N - PROPYLBENZENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
	NAPHTHALENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181
O - CHLOROTOLUENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181	
O - XYLENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181	
P - CHLOROTOLUENE	ND		ug/L	8260B	0.12000	0.12000			TB 14-03181	

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-03280

Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
8260W_140310	P - ISOPROPYL TOLUENE	ND		ug/L	8260B		0.12000	MB	TB 14-03181	
	SEC - BUTYLBENZENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	STYRENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TERT - BUTYLBENZENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TETRACHLOROETHYLENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TOLUENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TRICHLOROETHENE	ND		ug/L	8260B		0.12000		TB 14-03181	
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B		0.12000		TB 14-03181	
	VINYL CHLORIDE	ND		ug/L	8260B		0.12000		TB 14-03181	
	1,2 - DICHLOROETHANE-d4 (Surr)	116		%	8260B				TB 14-03181	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	99		%	8260B				TB 14-03181	
	4-BROMOFLUOROBENZENE (Surr)	103		%	8260B				TB 14-03181	
d8-TOLUENE (Surr)	101		%	8260B				TB 14-03181		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000			
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000			
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000			
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000	MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000			
TPHOS-140303	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.02000	MB		

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-03280
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140305D	IRON	1.03	1	mg/L	200.7	103	85-115	QCS	
	MANGANESE	1.02	1	mg/L	200.7	102	85-115		
200.7-140305D	CALCIUM	20.3	20	mg/L	200.7	102	85-115	QCS	
200.8_140306WW	BARIUM	0.038	0.040	mg/L	200.8	95	85-115	QCS	
	CADMIUM	0.038	0.040	mg/L	200.8	95	85-115		
	CHROMIUM	0.037	0.040	mg/L	200.8	93	85-115		
	COPPER	0.039	0.040	mg/L	200.8	98	85-115		
	LEAD	0.038	0.040	mg/L	200.8	95	85-115		
	SELENIUM	0.038	0.040	mg/L	200.8	95	85-115		
	SILVER	0.039	0.040	mg/L	200.8	98	85-115		
	ZINC	0.038	0.040	mg/L	200.8	95	85-115		
245.1_140303	MERCURY	0.00218	0.00200	mg/L	245.1	109	85-115	QCS	
8081A_140303	4,4' - DDD	0.26	0.24	ug/L	8081A	108	78-132	QCS	
	4,4' - DDE	0.26	0.27	ug/L	8081A	96	73-127		
	4,4' - DDT	0.22	0.21	ug/L	8081A	105	56-158		
	ALDRIN	1.36	1.32	ug/L	8081A	103	68-128		
	ALPHA-CHLORDANE	0.58	0.73	ug/L	8081A	79	70-130		
	BHC, ALPHA -	0.88	0.88	ug/L	8081A	100	37-134		
	BHC, BETA -	0.34	0.34	ug/L	8081A	100	17-147		
	BHC, DELTA -	0.38	0.36	ug/L	8081A	106	32-127		
	DIELDRIN	1.35	1.25	ug/L	8081A	108	74-134		
	ENDOSULFAN I	1.19	1.02	ug/L	8081A	117	67-133		
	ENDOSULFAN II	1.44	1.12	ug/L	8081A	129	64-142		
	ENDOSULFAN SULFATE	1.55	1.5	ug/L	8081A	103	71-143		
	ENDRIN	0.29	0.27	ug/L	8081A	107	30-147		
	ENDRIN ALDEHYDE	0.28	1	ug/L	8081A	28	78-110	EC	
	ENDRIN KETONE	0.99	0.84	ug/L	8081A	118	70-130		
	GAMMA-CHLORDANE	0.26	0.23	ug/L	8081A	113	74-124		
HEPTACHLOR	0.6	0.58	ug/L	8081A	103	61-133			

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-03280
Report Date: 03/19/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
8081A_140303	HEPTACHLOR EPOXIDE "B"	0.48	0.38	ug/L	8081A	126	73-127	QCS	
	LINDANE (BHC - GAMMA)	1.04	1	ug/L	8081A	104	17-140		
	METHOXYCHLOR	0.87	0.69	ug/L	8081A	126	41-157		
	DECACHLOROBIPHENYL (Surr)	115		%	8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	93		%	8081A		67-115		
ALK_140227	ALKALINITY	142	134	mg CaCO3/ISM2320 B		106	70-130	QCS	
color_140226	COLOR	10	10	CU	SM2120 B	100	80-120	QCS	
I140226A	FLUORIDE	2.27	2.5	mg/L	300.0	91	90-110	QCS	
	NITRATE-N	2.49	2.5	mg/L	300.0	100	80-120		
	CHLORIDE	29	30	mg/L	300.0	97	80-120		
	SULFATE	30	30	mg/L	300.0	100	80-120		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	80-120		
TDS_140303	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120		
TPHOS-140303	TOTAL PHOSPHORUS	0.106	0.105	mg/L	SM4500-P F	101	70-130	QCS	
turb_140226	TURBIDITY	1.02	1.00	NTU	180.1	102	70-130	QCS	

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FORM: QC Independent



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**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-03280
Report Date: 3/19/2014

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		
			Result	Result				Qualifier	Type	Comments
245.1_140303										
ALK_140227										
	8128	BICARBONATE	33	32	mg CaCO3/L	3.1	0-20		DUP	
	8128	ALKALINITY	33	32	mg CaCO3/L	3.1	0-50		DUP	
COLOR_140226										
	8128	COLOR	15	15	Color Units	0.0	0-45		DUP	
ODOR_140226										
	8128	ODOR	2.83	2.83	TON	0.0	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate			<u>Percent Recovery</u>					QC		Comments	
				Spike Result	Spike Result	Spike Conc	Units	MS	MSD	Limits*	%RPD	Limits*	Qualifier		Type
245.1_140303	8128	MERCURY	ND	0.00175	0.00175	0.00167	mg/L	105	107	70-130	2.3	0-50		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt



QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 14-03280
Report Date: 03/19/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081A_140303 8128	DECACHLOROBIPHENYL (Surr)	102		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	95		%		Acceptance Limits 67-115%
8151W_140303 8128	2,4 - DCAA (SURR)	87		%	8151A	Acceptance Range 61-129%
8260W_140310 8128	1,2 - DICHLOROETHANE-d4 (SURR)	117		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	98		%		
	4-BROMOFLUOROBENZENE (Surr)	103		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	99		%		Acceptance Range is 70-130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-03280

Report Date: 03/19/14

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
EC	This compound is subject to erratic chromatographic behavior.
HQ	High QCS recovery due to increased detector response of the sample extract. The continuing calibration checks are within acceptance limits.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 SOUTH MAIN STREET
MILTON-FREEWATER, OR 97862

Reference: **14-03280**

Date: March 20, 2014

Project: Water Quality

Date Received: February 26, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	8128.00	Mill Creek	Wallula Bridge	Pesticides in Water	\$182.00
2	8128.01	Mill Creek	Wallula Bridge	Chlorinated Herbicides	\$231.00
3	8128.02	Mill Creek	Wallula Bridge	Volatile Organic Compounds GC/MS	\$261.00
4	8128.03	Mill Creek	Wallula Bridge	Total Metals in Water	\$168.00
5	8128.04	Mill Creek	Wallula Bridge	carbonate/bicarbonate/hydroxide	\$25.00
6	8128.05	Mill Creek	Wallula Bridge	Chloride	\$21.00
7	8128.06	Mill Creek	Wallula Bridge	Sulfate	\$20.00
8	8128.07	Mill Creek	Wallula Bridge	Fluoride	\$21.00
9	8128.08	Mill Creek	Wallula Bridge	Total Dissolved Solids	\$20.00
10	8128.09	Mill Creek	Wallula Bridge	Color	\$19.00
11	8128.10	Mill Creek	Wallula Bridge	Surfactants	\$70.00
12	8128.11	Mill Creek	Wallula Bridge	Nitrate-N	\$21.00
13	8128.12	Mill Creek	Wallula Bridge	Turbidity	\$15.00
14	8128.13	Mill Creek	Wallula Bridge	Corrosivity	\$53.00
15	8128.14	Mill Creek	Wallula Bridge	ODOR	\$21.00
16	8128.15	Mill Creek	Wallula Bridge	QuantiTray Total Coliform and E Coli Cour	\$27.00
17	8128.16	Mill Creek	Wallula Bridge	Total Phosphorus	\$24.00

Grand Total: \$1,199.00

Amount Paid: \$0.00

Amount Due: **\$1,199.00**

Thank You for Your Business

Please pay to corporate office by April 19, 2014 to avoid a 1.5% per month finance charge.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref# <u>14-03280</u>	
City:	Milton-Freewr St	OR Zip:	97862	City:	St:
Attn:	Steven Patten	Phone:		FAX:	Zip:
Phone:	541-938-2170	FAX:		P.O.#:	Attn:
Email:	steven.patten@wwbwc.org	Card#:		<input type="checkbox"/> Visa	<input type="checkbox"/> M/C
Project:	Water Quality	<input type="checkbox"/> A/E	<input type="checkbox"/> Expres	/	
			<input type="checkbox"/> Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other		

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

- Standard
- Half-time (50% surcharge)
- Quickest (100% surcharge) Phone Call Req.
- Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	Mell Creek		GRAS SW	2/25/14	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by:														Total Containers	
Phone:															
FAX:															
Email:															

Sample Receipt Request (Must include FAX or Email)

* W - water
DW - drinking water

SW - surface water
GW - Ground water

WW - waste water
S - soil

OL - oil
Other _____

Relinquished by

Date

Time

Received by

Date

Time

Custody seals intact

Sample temp 4 C satisfactory

Samples received intact

Chain of custody & labels agree

Yes No N/A



1620 South Wanut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333



C0021809

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		Ref #	For Lab Use Only		
Ship Address:	810 S Main Street	Address:		Check Regulatory Program			
City:	Milton-Freewe St	OR Zip:	97862	City:	St:	Zip:	<input type="checkbox"/> Safe Drinking Water Act
Attn:	Steven Patten	Phone:	541.938-2170	FAX:	Attn:	<input type="checkbox"/> Clean Water Act	<input type="checkbox"/> RCRA / CERCLA
Phone:	541.938-2170	FAX:		P.O.#:	Attn:	<input type="checkbox"/> Expires	<input type="checkbox"/> Other
Email:	steven.patten@wwbwc.org	Project:	Water Quality	Card#:			

ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp. Matrix *	Sample Matrix *	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	Mill Creek			7/25/15	10:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	Wahat											
3												
4												
5												
6												
7												
8												
9												
10												

Sampled by: _____ Phone: _____ FAX: _____ Email: _____

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil

Relinquished by	Date	Time	Received by	Date	Time
Steven Patten	7/25/15	12:15			

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A





March 19, 2014

Vista Project I.D.: 1400175

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 28, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Locher Road AR'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

A handwritten signature in blue ink that reads "Martha Maier".

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400175

Case Narrative

Sample Condition on Receipt:

Ten soil samples and five aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 78

Certifications..... 79

Sample Receipt..... 80

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400175-01	GW-70	27-Feb-14 11:50	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-02	GW-71	27-Feb-14 11:05	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-03	GW-72	27-Feb-14 10:15	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-04	Canal Source	27-Feb-14 12:45	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-05	GW-136	27-Feb-14 12:20	28-Feb-14 11:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400175-06	Soil #1	27-Feb-14 08:00	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-07	Soil #2	27-Feb-14 08:03	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-08	Soil #3	27-Feb-14 08:10	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-09	Soil #4	27-Feb-14 08:13	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-10	Soil #5	27-Feb-14 08:17	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-11	Soil #6	27-Feb-14 08:20	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-12	Soil #7	27-Feb-14 08:27	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-13	Soil #8	27-Feb-14 08:30	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-14	Soil #9	27-Feb-14 08:37	28-Feb-14 11:53	Amber Glass, 120 mL
1400175-15	Soil #10	27-Feb-14 08:45	28-Feb-14 11:53	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	2.81			PCB-43/49	ND	2.23		
PCB-2	ND	3.30			PCB-44	ND	2.78		
PCB-3	ND	3.22			PCB-45	ND	2.13		
PCB-4/10	ND	8.90			PCB-46	ND	2.36		
PCB-5/8	ND	7.23			PCB-47	ND	2.35		
PCB-6	ND	7.28			PCB-48/75	ND	1.90		
PCB-7/9	ND	7.19			PCB-50	ND	2.32		
PCB-11	11.3				PCB-51	ND	1.76		
PCB-12/13	ND	7.12			PCB-52/69	ND	1.89		
PCB-14	ND	5.96			PCB-53	ND	1.74		
PCB-15	ND	6.96			PCB-54	ND	1.75		
PCB-16/32	ND	1.50			PCB-55	ND	1.60		
PCB-17	ND	1.73			PCB-56/60	ND	1.69		
PCB-18	ND	1.86			PCB-57	ND	1.55		
PCB-19	ND	1.82			PCB-58	ND	1.64		
PCB-20/21/33	ND	1.85			PCB-61/70	ND	1.66		
PCB-22	ND	1.75			PCB-62	ND	1.91		
PCB-23	ND	1.72			PCB-63	ND	1.59		
PCB-24/27	ND	1.30			PCB-65	ND	1.90		
PCB-25	ND	1.89			PCB-67	ND	1.71		
PCB-26	ND	1.97			PCB-68	ND	1.72		
PCB-28	ND	1.65			PCB-73	ND	1.67		
PCB-29	ND	1.88			PCB-74	ND	1.44		
PCB-30	ND	1.21			PCB-76/66	ND	1.53		
PCB-31	ND	2.00			PCB-77	ND	1.48		
PCB-34	ND	1.92			PCB-78	ND	1.52		
PCB-35	ND	1.89			PCB-79	ND	1.70		
PCB-36	ND	1.85			PCB-80	ND	1.43		
PCB-37	ND	2.01			PCB-81	ND	1.33		
PCB-38	ND	1.77			PCB-82	ND	3.68		
PCB-39	ND	1.79			PCB-83	ND	2.39		
PCB-40	ND	3.26			PCB-84/92	ND	1.77		
PCB-41/64/71/72	ND	1.92			PCB-85/116	ND	2.78		
PCB-42/59	ND	2.08			PCB-86	ND	3.69		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	2.42			PCB-133/142	ND	1.76		
PCB-88/91	ND	1.83			PCB-134/143	ND	1.73		
PCB-89	ND	1.82			PCB-135	ND	4.22		
PCB-90/101	ND	2.95			PCB-136	ND	3.00		
PCB-93	ND	1.78			PCB-137	ND	1.71		
PCB-94	ND	1.80			PCB-138/163/164	ND	1.29		
PCB-95/98/102	ND	1.68			PCB-139/149	ND	3.67		
PCB-96	ND	1.65			PCB-140	ND	4.19		
PCB-97	ND	2.98			PCB-141	ND	1.83		
PCB-99	ND	2.81			PCB-144	ND	3.94		
PCB-100	ND	1.78			PCB-145	ND	2.72		
PCB-103	ND	1.91			PCB-146/165	ND	1.35		
PCB-104	ND	1.40			PCB-147	ND	3.83		
PCB-105	ND	1.62			PCB-148	ND	3.81		
PCB-106/118	ND	2.04			PCB-150	ND	2.79		
PCB-107/109	ND	2.14			PCB-151	ND	4.09		
PCB-108/112	ND	2.88			PCB-152	ND	2.73		
PCB-110	ND	2.26			PCB-153	ND	1.37		
PCB-111/115	ND	2.15			PCB-154	ND	3.54		
PCB-113	ND	2.47			PCB-155	ND	2.60		
PCB-114	ND	1.66			PCB-156	ND	1.22		
PCB-119	ND	2.14			PCB-157	ND	1.31		
PCB-120	ND	2.09			PCB-158/160	ND	1.25		
PCB-121	ND	1.20			PCB-159	ND	1.32		
PCB-122	ND	1.85			PCB-166	ND	1.28		
PCB-123	ND	2.29			PCB-167	ND	1.25		
PCB-124	ND	2.04			PCB-168	ND	1.19		
PCB-126	ND	1.68			PCB-169	ND	1.25		
PCB-127	ND	1.75			PCB-170	ND	1.18		
PCB-128/162	ND	1.45			PCB-171	ND	1.26		
PCB-129	ND	1.84			PCB-172	ND	1.40		
PCB-130	ND	1.99			PCB-173	ND	1.50		
PCB-131	ND	1.84			PCB-174	ND	1.25		
PCB-132/161	ND	1.42			PCB-175	ND	1.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	1.19			Total triCB	ND	2.01		
PCB-177	ND	1.35			Total tetraCB	ND	3.26		
PCB-178	ND	1.73			Total pentaCB	ND	3.69		
PCB-179	ND	1.23			Total hexaCB	ND	4.22		
PCB-180	ND	1.23			Total heptaCB	ND	1.73		
PCB-181	ND	1.21			Total octaCB	ND	2.79		
PCB-182/187	ND	1.51			Total nonaCB	ND	2.15		
PCB-183	ND	1.47			DecaCB	ND	1.40		
PCB-184	ND	1.27			Total PCB	11.3			
PCB-185	ND	1.25							
PCB-186	ND	1.19							
PCB-188	ND	1.09							
PCB-189	ND	0.855							
PCB-190	ND	0.841							
PCB-191	ND	1.03							
PCB-192	ND	1.07							
PCB-193	ND	1.00							
PCB-194	ND	1.94							
PCB-195	ND	1.94							
PCB-196/203	ND	2.48							
PCB-197	ND	1.94							
PCB-198	ND	2.79							
PCB-199	ND	2.59							
PCB-200	ND	2.01							
PCB-201	ND	1.90							
PCB-202	ND	1.93							
PCB-204	ND	2.05							
PCB-205	ND	1.61							
PCB-206	ND	2.15							
PCB-207	ND	1.13							
PCB-208	ND	1.09							
PCB-209	ND	1.40							
Total monoCB	ND	3.30							
Total diCB	11.3								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BLK1
Date Analyzed: 10-Mar-14 12:58 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.1	5- 145		13C-PCB-157	78.9	10- 145	
13C-PCB-3	55.1	5- 145		13C-PCB-159	74.9	10- 145	
13C-PCB-4	44.9	5- 145		13C-PCB-167	77.8	10- 145	
13C-PCB-11	56.3	5- 145		13C-PCB-169	96.7	10- 145	
13C-PCB-9	45.9	5- 145		13C-PCB-170	83.6	10- 145	
13C-PCB-19	53.6	5- 145		13C-PCB-180	76.8	10- 145	
13C-PCB-28	60.5	5- 145		13C-PCB-188	56.3	10- 145	
13C-PCB-32	51.8	5- 145		13C-PCB-189	83.6	10- 145	
13C-PCB-37	69.7	5- 145		13C-PCB-194	79.0	10- 145	
13C-PCB-47	59.2	5- 145		13C-PCB-202	56.1	10- 145	
13C-PCB-52	63.4	5- 145		13C-PCB-206	98.8	10- 145	
13C-PCB-54	52.3	5- 145		13C-PCB-208	85.2	10- 145	
13C-PCB-70	68.6	5- 145		13C-PCB-209	109	10- 145	
13C-PCB-77	87.3	10- 145		CRS 13C-PCB-79	85.6	10- 145	
13C-PCB-80	68.5	10- 145		13C-PCB-178	74.8	10- 145	
13C-PCB-81	83.0	10- 145					
13C-PCB-95	64.5	10- 145					
13C-PCB-97	73.5	10- 145					
13C-PCB-101	67.4	10- 145					
13C-PCB-104	58.4	10- 145					
13C-PCB-105	60.7	10- 145					
13C-PCB-114	58.7	10- 145					
13C-PCB-118	79.0	10- 145					
13C-PCB-123	82.5	10- 145					
13C-PCB-126	70.1	10- 145					
13C-PCB-127	62.9	10- 145					
13C-PCB-138	74.2	10- 145					
13C-PCB-141	71.3	10- 145					
13C-PCB-153	68.2	10- 145					
13C-PCB-155	47.7	10- 145					
13C-PCB-156	80.0	10- 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BS1
Date Analyzed: 10-Mar-14 10:49 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	888	1000	88.8	60 - 135	IS 13C-PCB-1	70.3	15 - 145
PCB-3	917	1000	91.7	60 - 135	IS 13C-PCB-3	72.4	15 - 145
PCB-4/10	3840	4000	96.1	60 - 135	IS 13C-PCB-4	54.8	15 - 145
PCB-15	2050	2000	103	60 - 135	IS 13C-PCB-11	62.2	15 - 145
PCB-19	1230	1000	123	60 - 135	IS 13C-PCB-9	53.1	15 - 145
PCB-37	953	1000	95.3	60 - 135	IS 13C-PCB-19	62.1	15 - 145
PCB-54	1030	1000	103	60 - 135	IS 13C-PCB-28	62.1	15 - 145
PCB-77	948	1000	94.8	60 - 135	IS 13C-PCB-32	58.8	15 - 145
PCB-81	958	1000	95.8	60 - 135	IS 13C-PCB-37	76.8	15 - 145
PCB-104	1160	1000	116	60 - 135	IS 13C-PCB-47	67.3	15 - 145
PCB-105	849	1000	84.9	60 - 135	IS 13C-PCB-52	67.5	15 - 145
PCB-106/118	2200	2000	110	60 - 135	IS 13C-PCB-54	62.8	15 - 145
PCB-114	857	1000	85.7	60 - 135	IS 13C-PCB-70	69.4	15 - 145
PCB-126	846	1000	84.6	60 - 135	IS 13C-PCB-77	88.3	40 - 145
PCB-155	1160	1000	116	60 - 135	IS 13C-PCB-80	67.5	40 - 145
PCB-156	905	1000	90.5	60 - 135	IS 13C-PCB-81	83.8	40 - 145
PCB-157	956	1000	95.6	60 - 135	IS 13C-PCB-95	65.9	40 - 145
PCB-167	923	1000	92.3	60 - 135	IS 13C-PCB-97	72.0	40 - 145
PCB-169	917	1000	91.7	60 - 135	IS 13C-PCB-101	69.5	40 - 145
PCB-188	1090	1000	109	60 - 135	IS 13C-PCB-104	62.2	40 - 145
PCB-189	1070	1000	107	60 - 135	IS 13C-PCB-105	55.5	40 - 145
PCB-202	1090	1000	109	60 - 135	IS 13C-PCB-114	55.9	40 - 145
PCB-205	933	1000	93.3	60 - 135	IS 13C-PCB-118	79.3	40 - 145
PCB-206	998	1000	99.8	60 - 135	IS 13C-PCB-123	81.8	40 - 145
PCB-208	1000	1000	100	60 - 135	IS 13C-PCB-126	65.7	40 - 145
PCB-209	991	1000	99.1	60 - 135	IS 13C-PCB-127	60.6	40 - 145
					IS 13C-PCB-138	69.9	40 - 145
					IS 13C-PCB-141	69.3	40 - 145
					IS 13C-PCB-153	66.8	40 - 145
					IS 13C-PCB-155	52.4	40 - 145
					IS 13C-PCB-156	79.3	40 - 145
					IS 13C-PCB-157	75.4	40 - 145
					IS 13C-PCB-159	72.8	40 - 145
					IS 13C-PCB-167	76.2	40 - 145
					IS 13C-PCB-169	88.7	40 - 145
					IS 13C-PCB-170	80.0	40 - 145
					IS 13C-PCB-180	74.9	40 - 145
					IS 13C-PCB-188	59.0	40 - 145
					IS 13C-PCB-189	79.4	40 - 145
					IS 13C-PCB-194	74.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0018
Date Extracted: 05-Mar-2014 7:30

Lab Sample: B4C0018-BS1
Date Analyzed: 10-Mar-14 10:49 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	56.0	40 - 145
					IS 13C-PCB-206	94.1	40 - 145
					IS 13C-PCB-208	83.3	40 - 145
					IS 13C-PCB-209	109	40 - 145
					CRS 13C-PCB-79	87.8	40 - 145
					CRS 13C-PCB-178	77.1	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	31.5				PCB-44	ND		6.38	
PCB-2	ND	2.07			PCB-45	3.12			J
PCB-3	13.2				PCB-46	ND	1.57		
PCB-4/10	58.3				PCB-47	ND	1.26		
PCB-5/8	159				PCB-48/75	ND	1.02		
PCB-6	29.5				PCB-50	ND	1.45		
PCB-7/9	15.0			J	PCB-51	ND	1.18		
PCB-11	17.5			B	PCB-52/69	7.04			J
PCB-12/13	ND	9.21			PCB-53	2.84			J
PCB-14	ND	7.71			PCB-54	ND	1.09		
PCB-15	35.4				PCB-55	ND	0.882		
PCB-16/32	71.2				PCB-56/60	ND	0.935		
PCB-17	36.4				PCB-57	ND	0.839		
PCB-18	108				PCB-58	ND	0.887		
PCB-19	11.9				PCB-61/70	3.00			J
PCB-20/21/33	22.2				PCB-62	ND	1.02		
PCB-22	ND		10.4		PCB-63	ND	0.858		
PCB-23	ND	1.43			PCB-65	ND	1.02		
PCB-24/27	8.34			J	PCB-67	ND	0.927		
PCB-25	2.87			J	PCB-68	ND	0.921		
PCB-26	5.66				PCB-73	ND	0.949		
PCB-28	28.0				PCB-74	ND		0.898	
PCB-29	ND	1.57			PCB-76/66	ND		1.13	
PCB-30	ND	0.893			PCB-77	ND	0.803		
PCB-31	28.7				PCB-78	ND	0.867		
PCB-34	ND	1.60			PCB-79	ND	0.940		
PCB-35	ND	1.54			PCB-80	ND	0.788		
PCB-36	ND	1.52			PCB-81	ND	0.755		
PCB-37	3.62			J	PCB-82	ND	2.24		
PCB-38	ND	1.45			PCB-83	ND	1.54		
PCB-39	ND	1.46			PCB-84/92	ND	2.24		
PCB-40	ND	1.75			PCB-85/116	ND	1.79		
PCB-41/64/71/72	5.39			J	PCB-86	ND	2.37		
PCB-42/59	ND		2.58		PCB-87/117/125	ND	1.56		
PCB-43/49	5.42			J	PCB-88/91	ND	2.26		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.31			PCB-136	ND	2.43		
PCB-90/101	ND	1.96			PCB-137	ND	1.18		
PCB-93	ND	2.20			PCB-138/163/164	ND	0.885		
PCB-94	ND	2.22			PCB-139/149	ND	2.97		
PCB-95/98/102	ND		1.59		PCB-140	ND	3.39		
PCB-96	ND	1.85			PCB-141	ND	1.27		
PCB-97	ND	1.92			PCB-144	ND	3.19		
PCB-99	ND	1.87			PCB-145	ND	2.20		
PCB-100	ND	2.00			PCB-146/165	ND	0.984		
PCB-103	ND	2.15			PCB-147	ND	3.10		
PCB-104	ND	1.57			PCB-148	ND	3.09		
PCB-105	ND	1.21			PCB-150	ND	2.26		
PCB-106/118	ND	1.37			PCB-151	ND	3.31		
PCB-107/109	ND	1.30			PCB-152	ND	2.21		
PCB-108/112	ND	1.85			PCB-153	ND	1.00		
PCB-110	ND		1.83		PCB-154	ND	2.87		
PCB-111/115	ND	1.38			PCB-155	ND	2.11		
PCB-113	ND	1.64			PCB-156	ND	0.820		
PCB-114	ND	1.26			PCB-157	ND	0.917		
PCB-119	ND	1.38			PCB-158/160	ND	0.854		
PCB-120	ND	1.35			PCB-159	ND	0.914		
PCB-121	ND	1.49			PCB-166	ND	0.886		
PCB-122	ND	1.41			PCB-167	ND	0.848		
PCB-123	ND	1.39			PCB-168	ND	0.867		
PCB-124	ND	1.24			PCB-169	ND	0.816		
PCB-126	ND	1.31			PCB-170	ND	0.817		
PCB-127	ND	1.34			PCB-171	ND	0.854		
PCB-128/162	ND	1.01			PCB-172	ND	0.953		
PCB-129	ND	1.26			PCB-173	ND	1.02		
PCB-130	ND	1.38			PCB-174	ND	0.848		
PCB-131	ND	1.35			PCB-175	ND	1.09		
PCB-132/161	ND	1.04			PCB-176	ND	0.791		
PCB-133/142	ND	1.28			PCB-177	ND	0.915		
PCB-134/143	ND	1.27			PCB-178	ND	1.15		
PCB-135	ND	3.42			PCB-179	ND	0.817		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.835			Total octaCB	ND	1.95		
PCB-181	ND	0.824			Total nonaCB	ND	1.68		
PCB-182/187	ND	1.01			DecaCB	ND	0.984		
PCB-183	ND	0.981			Total PCB	713			B
PCB-184	ND	0.849							
PCB-185	ND	0.851							
PCB-186	ND	0.794							
PCB-188	ND	0.728							
PCB-189	ND	0.556							
PCB-190	ND	0.584							
PCB-191	ND	0.696							
PCB-192	ND	0.729							
PCB-193	ND	0.679							
PCB-194	ND	1.39							
PCB-195	ND	1.39							
PCB-196/203	ND	1.73							
PCB-197	ND	1.36							
PCB-198	ND	1.95							
PCB-199	ND	1.81							
PCB-200	ND	1.41							
PCB-201	ND	1.33							
PCB-202	ND	1.35							
PCB-204	ND	1.43							
PCB-205	ND	1.15							
PCB-206	ND	1.68							
PCB-207	ND	0.901							
PCB-208	ND	0.869							
PCB-209	ND	0.984							
Total monoCB	44.7								
Total diCB	315			B					
Total triCB	327		337						
Total tetraCB	26.8		37.8						
Total pentaCB	ND		3.43	J					
Total hexaCB	ND	3.42							
Total heptaCB	ND	1.15							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-01
Project:	Locher Road AR	Sample Size:	0.994 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:50			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 18:19
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	55.7	5 -145		13C-PCB-170	98.3	10 -145	
13C-PCB-3	64.1	5 -145		13C-PCB-180	89.5	10 -145	
13C-PCB-4	55.5	5 -145		13C-PCB-188	64.6	10 -145	
13C-PCB-11	68.1	5 -145		13C-PCB-189	98.9	10 -145	
13C-PCB-9	54.1	5 -145		13C-PCB-194	92.5	10 -145	
13C-PCB-19	57.6	5 -145		13C-PCB-202	63.3	10 -145	
13C-PCB-28	88.8	5 -145		13C-PCB-206	115	10 -145	
13C-PCB-32	54.4	5 -145		13C-PCB-208	100	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	127	10 -145	
13C-PCB-47	74.2	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	72.8	5 -145		13C-PCB-178	89.5	10 -145	
13C-PCB-54	61.8	5 -145					
13C-PCB-70	83.4	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	82.5	10 -145					
13C-PCB-81	97.4	10 -145					
13C-PCB-95	77.2	10 -145					
13C-PCB-97	86.0	10 -145					
13C-PCB-101	83.2	10 -145					
13C-PCB-104	70.0	10 -145					
13C-PCB-105	68.9	10 -145					
13C-PCB-114	68.3	10 -145					
13C-PCB-118	94.9	10 -145					
13C-PCB-123	100	10 -145					
13C-PCB-126	80.2	10 -145					
13C-PCB-127	75.9	10 -145					
13C-PCB-138	85.1	10 -145					
13C-PCB-141	82.8	10 -145					
13C-PCB-153	80.9	10 -145					
13C-PCB-155	54.0	10 -145					
13C-PCB-156	94.7	10 -145					
13C-PCB-157	93.8	10 -145					
13C-PCB-159	88.8	10 -145					
13C-PCB-167	94.9	10 -145					
13C-PCB-169	116	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	33.6				PCB-44	7.55			
PCB-2	2.66			J	PCB-45	3.95			J
PCB-3	14.3				PCB-46	ND	1.62		
PCB-4/10	63.7				PCB-47	3.16			J
PCB-5/8	163				PCB-48/75	2.01			J
PCB-6	29.4				PCB-50	ND	1.50		
PCB-7/9	14.4			J	PCB-51	ND	1.21		
PCB-11	18.9			B	PCB-52/69	7.91			J
PCB-12/13	ND	8.11			PCB-53	ND	1.20		
PCB-14	ND	6.81			PCB-54	ND	1.13		
PCB-15	35.7				PCB-55	ND	0.878		
PCB-16/32	68.5				PCB-56/60	2.07			J
PCB-17	36.1				PCB-57	ND	0.838		
PCB-18	102				PCB-58	ND	0.886		
PCB-19	ND		11.4		PCB-61/70	3.55			J
PCB-20/21/33	ND		22.4		PCB-62	ND	1.01		
PCB-22	15.0				PCB-63	ND	0.857		
PCB-23	ND	1.69			PCB-65	ND	1.00		
PCB-24/27	8.49			J	PCB-67	ND	0.926		
PCB-25	ND		3.08		PCB-68	ND	0.903		
PCB-26	7.47				PCB-73	ND	0.978		
PCB-28	25.9				PCB-74	1.16			J
PCB-29	ND	1.85			PCB-76/66	ND		1.90	
PCB-30	ND	1.16			PCB-77	ND	0.807		
PCB-31	34.9				PCB-78	ND	0.829		
PCB-34	ND	1.88			PCB-79	ND	0.936		
PCB-35	ND	1.53			PCB-80	ND	0.785		
PCB-36	ND	1.51			PCB-81	ND	0.722		
PCB-37	ND		3.02		PCB-82	ND	2.51		
PCB-38	ND	1.44			PCB-83	ND	1.70		
PCB-39	ND	1.45			PCB-84/92	ND	2.59		
PCB-40	ND	1.71			PCB-85/116	ND	1.97		
PCB-41/64/71/72	5.39			J	PCB-86	ND	2.62		
PCB-42/59	ND		2.23		PCB-87/117/125	ND	1.72		
PCB-43/49	ND		4.97		PCB-88/91	ND	2.70		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.67			PCB-136	ND	2.43		
PCB-90/101	ND	2.27			PCB-137	ND	1.13		
PCB-93	ND	2.63			PCB-138/163/164	ND	0.932		
PCB-94	ND	2.66			PCB-139/149	ND	2.97		
PCB-95/98/102	ND	2.48			PCB-140	ND	3.39		
PCB-96	ND	2.20			PCB-141	ND	1.21		
PCB-97	ND	2.11			PCB-144	ND	3.19		
PCB-99	ND	2.16			PCB-145	ND	2.20		
PCB-100	ND	2.38			PCB-146/165	ND	0.927		
PCB-103	ND	2.56			PCB-147	ND	3.10		
PCB-104	ND	1.87			PCB-148	ND	3.08		
PCB-105	ND	1.27			PCB-150	ND	2.26		
PCB-106/118	ND	1.54			PCB-151	ND	3.31		
PCB-107/109	ND	1.46			PCB-152	ND	2.21		
PCB-108/112	ND	2.04			PCB-153	ND	0.941		
PCB-110	ND	1.60			PCB-154	ND	2.87		
PCB-111/115	ND	1.52			PCB-155	ND	2.11		
PCB-113	ND	1.90			PCB-156	ND	0.801		
PCB-114	ND	1.22			PCB-157	ND	0.822		
PCB-119	ND	1.52			PCB-158/160	ND	0.900		
PCB-120	ND	1.49			PCB-159	ND	0.913		
PCB-121	ND	1.78			PCB-166	ND	0.885		
PCB-122	ND	1.35			PCB-167	ND	0.812		
PCB-123	ND	1.56			PCB-168	ND	0.816		
PCB-124	ND	1.39			PCB-169	ND	0.816		
PCB-126	ND	1.26			PCB-170	ND	0.822		
PCB-127	ND	1.33			PCB-171	ND	0.884		
PCB-128/162	ND	1.00			PCB-172	ND	0.988		
PCB-129	ND	1.32			PCB-173	ND	1.05		
PCB-130	ND	1.31			PCB-174	ND	0.879		
PCB-131	ND	1.27			PCB-175	ND	1.13		
PCB-132/161	ND	0.981			PCB-176	ND	0.824		
PCB-133/142	ND	1.21			PCB-177	ND	0.948		
PCB-134/143	ND	1.19			PCB-178	ND	1.20		
PCB-135	ND	3.42			PCB-179	ND	0.852		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.865			Total octaCB	ND	2.20		
PCB-181	ND	0.854			Total nonaCB	ND	1.39		
PCB-182/187	ND	1.05			DecaCB	ND	1.11		
PCB-183	ND	1.02			Total PCB	710			B
PCB-184	ND	0.885							
PCB-185	ND	0.882							
PCB-186	ND	0.828							
PCB-188	ND	0.759							
PCB-189	ND	0.569							
PCB-190	ND	0.587							
PCB-191	ND	0.721							
PCB-192	ND	0.755							
PCB-193	ND	0.703							
PCB-194	ND	1.24							
PCB-195	ND	1.24							
PCB-196/203	ND	1.96							
PCB-197	ND	1.54							
PCB-198	ND	2.20							
PCB-199	ND	2.05							
PCB-200	ND	1.59							
PCB-201	ND	1.50							
PCB-202	ND	1.52							
PCB-204	ND	1.62							
PCB-205	ND	1.03							
PCB-206	ND	1.39							
PCB-207	ND	0.753							
PCB-208	ND	0.727							
PCB-209	ND	1.11							
Total monoCB	50.5								
Total diCB	325			B					
Total triCB	298		338						
Total tetraCB	36.8		45.9						
Total pentaCB	ND	2.70							
Total hexaCB	ND	3.42							
Total heptaCB	ND	1.20							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-02
Project:	Locher Road AR	Sample Size:	0.996 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 11:05			QC Batch:	B4C0018
				Date Analyzed :	10-Mar-14 19:23
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	51.7	5 -145		13C-PCB-170	91.2	10 -145	
13C-PCB-3	57.0	5 -145		13C-PCB-180	84.2	10 -145	
13C-PCB-4	50.9	5 -145		13C-PCB-188	59.0	10 -145	
13C-PCB-11	61.8	5 -145		13C-PCB-189	92.1	10 -145	
13C-PCB-9	50.2	5 -145		13C-PCB-194	79.5	10 -145	
13C-PCB-19	45.8	5 -145		13C-PCB-202	57.1	10 -145	
13C-PCB-28	76.5	5 -145		13C-PCB-206	98.4	10 -145	
13C-PCB-32	50.3	5 -145		13C-PCB-208	83.8	10 -145	
13C-PCB-37	97.1	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	70.4	5 -145		CRS 13C-PCB-79	99.2	10 -145	
13C-PCB-52	70.4	5 -145		13C-PCB-178	79.8	10 -145	
13C-PCB-54	57.6	5 -145					
13C-PCB-70	76.1	5 -145					
13C-PCB-77	96.2	10 -145					
13C-PCB-80	75.7	10 -145					
13C-PCB-81	95.3	10 -145					
13C-PCB-95	70.7	10 -145					
13C-PCB-97	79.1	10 -145					
13C-PCB-101	73.7	10 -145					
13C-PCB-104	62.8	10 -145					
13C-PCB-105	63.8	10 -145					
13C-PCB-114	64.6	10 -145					
13C-PCB-118	88.9	10 -145					
13C-PCB-123	92.4	10 -145					
13C-PCB-126	80.8	10 -145					
13C-PCB-127	70.1	10 -145					
13C-PCB-138	78.9	10 -145					
13C-PCB-141	74.6	10 -145					
13C-PCB-153	74.3	10 -145					
13C-PCB-155	48.5	10 -145					
13C-PCB-156	91.0	10 -145					
13C-PCB-157	90.6	10 -145					
13C-PCB-159	84.7	10 -145					
13C-PCB-167	85.9	10 -145					
13C-PCB-169	108	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 10:15			QC Batch:	B4C0018
				Date Analyzed :	14-Mar-14 13:44 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	32.7				PCB-44	8.21			
PCB-2	ND	4.58			PCB-45	ND		2.42	
PCB-3	13.1				PCB-46	ND		1.74	
PCB-4/10	55.2				PCB-47	4.26			J
PCB-5/8	139				PCB-48/75	2.43			J
PCB-6	25.0				PCB-50	ND	1.05		
PCB-7/9	11.8			J	PCB-51	ND	0.854		
PCB-11	19.1			B	PCB-52/69	8.74			J
PCB-12/13	ND	8.29			PCB-53	3.16			J
PCB-14	ND	6.93			PCB-54	ND	0.787		
PCB-15	29.6				PCB-55	ND	0.621		
PCB-16/32	53.0				PCB-56/60	2.24			J
PCB-17	29.0				PCB-57	ND	0.603		
PCB-18	83.8				PCB-58	ND	0.637		
PCB-19	9.76				PCB-61/70	4.27			J
PCB-20/21/33	26.5				PCB-62	ND	0.742		
PCB-22	13.9				PCB-63	ND	0.616		
PCB-23	ND	0.796			PCB-65	ND	0.738		
PCB-24/27	6.34			J	PCB-67	ND	0.666		
PCB-25	3.16			J	PCB-68	ND	0.667		
PCB-26	6.84				PCB-73	ND	0.689		
PCB-28	27.6				PCB-74	ND		1.52	
PCB-29	ND	0.871			PCB-76/66	ND		2.29	
PCB-30	ND	0.788			PCB-77	ND	0.617		
PCB-31	38.4				PCB-78	ND	0.674		
PCB-34	ND	0.886			PCB-79	ND	0.662		
PCB-35	ND	0.911			PCB-80	ND	0.555		
PCB-36	ND	0.895			PCB-81	ND	0.587		
PCB-37	4.42			J	PCB-82	ND	1.92		
PCB-38	ND	0.855			PCB-83	ND	1.16		
PCB-39	ND	0.863			PCB-84/92	ND	1.67		
PCB-40	ND	1.26			PCB-85/116	ND	1.35		
PCB-41/64/71/72	6.90			J	PCB-86	ND	1.80		
PCB-42/59	3.63			J	PCB-87/117/125	ND	1.18		
PCB-43/49	6.60			J	PCB-88/91	ND	1.80		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	0.992 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 10:15			Date Analyzed :	14-Mar-14 13:44	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.72			PCB-136	ND	1.37		
PCB-90/101	ND	1.46			PCB-137	ND	0.864		
PCB-93	ND	1.76			PCB-138/163/164	ND	0.741		
PCB-94	ND	1.77			PCB-139/149	ND	1.67		
PCB-95/98/102	ND	1.65			PCB-140	ND	1.91		
PCB-96	ND	1.42			PCB-141	ND	0.927		
PCB-97	ND	1.45			PCB-144	ND	1.80		
PCB-99	ND	1.39			PCB-145	ND	1.24		
PCB-100	ND	1.54			PCB-146/165	ND	0.799		
PCB-103	ND	1.65			PCB-147	ND	1.75		
PCB-104	ND	1.21			PCB-148	ND	1.74		
PCB-105	ND	0.911			PCB-150	ND	1.27		
PCB-106/118	ND	1.14			PCB-151	ND	1.86		
PCB-107/109	ND	1.12			PCB-152	ND	1.24		
PCB-108/112	ND	1.40			PCB-153	ND	0.811		
PCB-110	2.24			J	PCB-154	ND	1.62		
PCB-111/115	ND	1.04			PCB-155	ND	1.19		
PCB-113	ND	1.22			PCB-156	ND	0.693		
PCB-114	ND	0.948			PCB-157	ND	0.779		
PCB-119	ND	1.04			PCB-158/160	ND	0.716		
PCB-120	ND	1.02			PCB-159	ND	0.785		
PCB-121	ND	1.19			PCB-166	ND	0.761		
PCB-122	ND	1.05			PCB-167	ND	0.754		
PCB-123	ND	1.20			PCB-168	ND	0.704		
PCB-124	ND	1.07			PCB-169	ND	0.819		
PCB-126	ND	1.01			PCB-170	ND	0.683		
PCB-127	ND	0.956			PCB-171	ND	0.680		
PCB-128/162	ND	0.864			PCB-172	ND	0.759		
PCB-129	ND	1.05			PCB-173	ND	0.810		
PCB-130	ND	1.01			PCB-174	ND	0.675		
PCB-131	ND	1.09			PCB-175	ND	0.781		
PCB-132/161	ND	0.846			PCB-176	ND	0.568		
PCB-133/142	ND	1.04			PCB-177	ND	0.729		
PCB-134/143	ND	1.03			PCB-178	ND	0.827		
PCB-135	ND	1.92			PCB-179	ND	0.587		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 10:15			QC Batch:	B4C0018
				Date Analyzed :	14-Mar-14 13:44
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.665			Total octaCB	ND	1.49		
PCB-181	ND	0.656			Total nonaCB	ND	1.23		
PCB-182/187	ND	0.725			DecaCB	ND	1.25		
PCB-183	ND	0.705			Total PCB	681			B
PCB-184	ND	0.610							
PCB-185	ND	0.677							
PCB-186	ND	0.571							
PCB-188	ND	0.523							
PCB-189	ND	0.431							
PCB-190	ND	0.488							
PCB-191	ND	0.554							
PCB-192	ND	0.580							
PCB-193	ND	0.540							
PCB-194	ND	0.968							
PCB-195	ND	0.970							
PCB-196/203	ND	1.33							
PCB-197	ND	1.04							
PCB-198	ND	1.49							
PCB-199	ND	1.38							
PCB-200	ND	1.07							
PCB-201	ND	1.01							
PCB-202	ND	1.03							
PCB-204	ND	1.09							
PCB-205	ND	0.804							
PCB-206	ND	1.23							
PCB-207	ND	0.556							
PCB-208	ND	0.536							
PCB-209	ND	1.25							
Total monoCB	45.8								
Total diCB	280			B					
Total triCB	303								
Total tetraCB	50.4		58.4						
Total pentaCB	2.24			J					
Total hexaCB	ND	1.92							
Total heptaCB	ND	0.827							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-03	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	0.992 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 10:15			Date Analyzed :	14-Mar-14 13:44	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	51.0	5 -145		13C-PCB-170	78.4	10 -145	
13C-PCB-3	54.1	5 -145		13C-PCB-180	75.1	10 -145	
13C-PCB-4	53.1	5 -145		13C-PCB-188	58.4	10 -145	
13C-PCB-11	66.8	5 -145		13C-PCB-189	88.7	10 -145	
13C-PCB-9	56.3	5 -145		13C-PCB-194	70.2	10 -145	
13C-PCB-19	64.4	5 -145		13C-PCB-202	56.4	10 -145	
13C-PCB-28	70.8	5 -145		13C-PCB-206	75.5	10 -145	
13C-PCB-32	71.4	5 -145		13C-PCB-208	70.6	10 -145	
13C-PCB-37	78.5	5 -145		13C-PCB-209	76.2	10 -145	
13C-PCB-47	66.9	5 -145		CRS 13C-PCB-79	83.6	10 -145	
13C-PCB-52	68.3	5 -145		13C-PCB-178	73.2	10 -145	
13C-PCB-54	62.5	5 -145					
13C-PCB-70	77.6	5 -145					
13C-PCB-77	88.1	10 -145					
13C-PCB-80	76.2	10 -145					
13C-PCB-81	86.4	10 -145					
13C-PCB-95	70.7	10 -145					
13C-PCB-97	77.3	10 -145					
13C-PCB-101	73.7	10 -145					
13C-PCB-104	66.6	10 -145					
13C-PCB-105	70.4	10 -145					
13C-PCB-114	70.8	10 -145					
13C-PCB-118	85.3	10 -145					
13C-PCB-123	87.8	10 -145					
13C-PCB-126	78.7	10 -145					
13C-PCB-127	76.2	10 -145					
13C-PCB-138	81.7	10 -145					
13C-PCB-141	78.9	10 -145					
13C-PCB-153	76.1	10 -145					
13C-PCB-155	54.4	10 -145					
13C-PCB-156	85.2	10 -145					
13C-PCB-157	82.3	10 -145					
13C-PCB-159	82.8	10 -145					
13C-PCB-167	84.1	10 -145					
13C-PCB-169	93.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 03:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.80			PCB-44	ND	1.39		
PCB-2	ND	1.98			PCB-45	ND	1.39		
PCB-3	ND	1.94			PCB-46	ND	1.54		
PCB-4/10	ND	7.54			PCB-47	ND	1.18		
PCB-5/8	ND	6.91			PCB-48/75	ND	0.952		
PCB-6	ND	6.95			PCB-50	ND	1.29		
PCB-7/9	ND	6.87			PCB-51	ND	1.15		
PCB-11	8.93			J, B	PCB-52/69	2.66			J
PCB-12/13	ND	6.66			PCB-53	ND	1.14		
PCB-14	ND	5.57			PCB-54	ND	0.970		
PCB-15	ND	6.50			PCB-55	ND	0.894		
PCB-16/32	ND	0.891			PCB-56/60	1.62			J
PCB-17	ND	1.02			PCB-57	ND	0.810		
PCB-18	ND		3.66		PCB-58	ND	0.856		
PCB-19	ND	1.17			PCB-61/70	1.95			J
PCB-20/21/33	ND	1.28			PCB-62	ND	0.959		
PCB-22	ND	1.22			PCB-63	ND	0.828		
PCB-23	ND	1.20			PCB-65	ND	0.954		
PCB-24/27	ND	0.773			PCB-67	ND	0.894		
PCB-25	ND	1.31			PCB-68	ND	0.862		
PCB-26	ND	1.37			PCB-73	ND	0.930		
PCB-28	ND		3.64		PCB-74	0.826			J
PCB-29	ND	1.31			PCB-76/66	1.60			J
PCB-30	ND	0.781			PCB-77	ND	0.849		
PCB-31	4.02			J	PCB-78	ND	0.867		
PCB-34	ND	1.33			PCB-79	ND	0.954		
PCB-35	ND	1.38			PCB-80	ND	0.799		
PCB-36	ND	1.35			PCB-81	ND	0.755		
PCB-37	ND	1.47			PCB-82	ND	2.84		
PCB-38	ND	1.29			PCB-83	ND	1.96		
PCB-39	ND	1.30			PCB-84/92	ND	2.65		
PCB-40	ND	1.63			PCB-85/116	ND	2.28		
PCB-41/64/71/72	2.38			J	PCB-86	ND	3.03		
PCB-42/59	ND	1.04			PCB-87/117/125	ND	1.99		
PCB-43/49	ND	1.24			PCB-88/91	ND	2.59		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 03:06 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.72			PCB-136	ND	2.19		
PCB-90/101	2.58			J	PCB-137	ND	1.37		
PCB-93	ND	2.53			PCB-138/163/164	ND	1.16		
PCB-94	ND	2.55			PCB-139/149	ND	2.67		
PCB-95/98/102	ND	2.38			PCB-140	ND	3.05		
PCB-96	ND	2.17			PCB-141	ND	1.47		
PCB-97	ND	2.45			PCB-144	ND	2.87		
PCB-99	ND	2.20			PCB-145	ND	1.98		
PCB-100	ND	2.35			PCB-146/165	ND	1.15		
PCB-103	ND	2.52			PCB-147	ND	2.79		
PCB-104	ND	1.84			PCB-148	ND	2.77		
PCB-105	ND	1.57			PCB-150	ND	2.03		
PCB-106/118	2.98			J	PCB-151	ND	2.98		
PCB-107/109	ND	1.65			PCB-152	ND	1.99		
PCB-108/112	ND	2.36			PCB-153	ND		1.76	
PCB-110	3.31			J	PCB-154	ND	2.58		
PCB-111/115	ND	1.76			PCB-155	ND	1.89		
PCB-113	ND	1.94			PCB-156	ND	1.00		
PCB-114	ND	1.50			PCB-157	ND	1.08		
PCB-119	ND	1.76			PCB-158/160	ND	1.12		
PCB-120	ND	1.72			PCB-159	ND	1.04		
PCB-121	ND	1.71			PCB-166	ND	1.01		
PCB-122	ND	1.67			PCB-167	ND	1.06		
PCB-123	ND	1.77			PCB-168	ND	1.01		
PCB-124	ND	1.57			PCB-169	ND	1.02		
PCB-126	ND	1.79			PCB-170	ND	0.984		
PCB-127	ND	1.68			PCB-171	ND	0.990		
PCB-128/162	ND	1.15			PCB-172	ND	1.11		
PCB-129	ND	1.65			PCB-173	ND	1.18		
PCB-130	ND	1.59			PCB-174	ND	0.984		
PCB-131	ND	1.57			PCB-175	ND	1.17		
PCB-132/161	ND	1.22			PCB-176	ND	0.852		
PCB-133/142	ND	1.50			PCB-177	ND	1.06		
PCB-134/143	ND	1.48			PCB-178	ND	1.24		
PCB-135	ND	3.07			PCB-179	ND	0.880		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04
Project:	Locher Road AR	Sample Size:	0.992 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:45			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 03:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.968			Total octaCB	ND	2.36		
PCB-181	ND	0.956			Total nonaCB	ND	1.76		
PCB-182/187	ND	1.09			DecaCB	ND	2.48		
PCB-183	ND	1.06			Total PCB	32.9			B
PCB-184	ND	0.915							
PCB-185	ND	0.987							
PCB-186	ND	0.855							
PCB-188	ND	0.784							
PCB-189	ND	0.676							
PCB-190	ND	0.703							
PCB-191	ND	0.807							
PCB-192	ND	0.845							
PCB-193	ND	0.787							
PCB-194	ND	1.50							
PCB-195	ND	1.50							
PCB-196/203	ND	2.10							
PCB-197	ND	1.64							
PCB-198	ND	2.36							
PCB-199	ND	2.19							
PCB-200	ND	1.70							
PCB-201	ND	1.61							
PCB-202	ND	1.63							
PCB-204	ND	1.73							
PCB-205	ND	1.25							
PCB-206	ND	1.76							
PCB-207	ND	0.945							
PCB-208	ND	0.912							
PCB-209	ND	2.48							
Total monoCB	ND	1.98							
Total diCB	8.93			J, B					
Total triCB	4.02		11.3						
Total tetraCB	11.0								
Total pentaCB	8.87								
Total hexaCB	ND		1.76	J					
Total heptaCB	ND	1.24							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Canal Source

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-04	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	0.992 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 12:45			Date Analyzed :	11-Mar-14 03:06	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	63.5	5 -145		13C-PCB-170	88.1	10 -145	
13C-PCB-3	69.4	5 -145		13C-PCB-180	83.5	10 -145	
13C-PCB-4	52.6	5 -145		13C-PCB-188	64.3	10 -145	
13C-PCB-11	62.4	5 -145		13C-PCB-189	87.8	10 -145	
13C-PCB-9	51.3	5 -145		13C-PCB-194	77.8	10 -145	
13C-PCB-19	67.7	5 -145		13C-PCB-202	62.0	10 -145	
13C-PCB-28	72.1	5 -145		13C-PCB-206	93.6	10 -145	
13C-PCB-32	68.2	5 -145		13C-PCB-208	79.3	10 -145	
13C-PCB-37	78.1	5 -145		13C-PCB-209	104	10 -145	
13C-PCB-47	69.3	5 -145		CRS 13C-PCB-79	92.4	10 -145	
13C-PCB-52	70.6	5 -145		13C-PCB-178	81.9	10 -145	
13C-PCB-54	64.4	5 -145					
13C-PCB-70	78.9	5 -145					
13C-PCB-77	92.7	10 -145					
13C-PCB-80	77.3	10 -145					
13C-PCB-81	87.7	10 -145					
13C-PCB-95	73.9	10 -145					
13C-PCB-97	79.5	10 -145					
13C-PCB-101	77.3	10 -145					
13C-PCB-104	71.2	10 -145					
13C-PCB-105	61.9	10 -145					
13C-PCB-114	63.0	10 -145					
13C-PCB-118	86.4	10 -145					
13C-PCB-123	90.4	10 -145					
13C-PCB-126	71.8	10 -145					
13C-PCB-127	66.7	10 -145					
13C-PCB-138	76.7	10 -145					
13C-PCB-141	76.3	10 -145					
13C-PCB-153	74.5	10 -145					
13C-PCB-155	60.4	10 -145					
13C-PCB-156	85.8	10 -145					
13C-PCB-157	86.7	10 -145					
13C-PCB-159	80.4	10 -145					
13C-PCB-167	82.7	10 -145					
13C-PCB-169	101	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05
Project:	Locher Road AR	Sample Size:	1.01 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:20			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 04:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	26.4				PCB-44	7.78			
PCB-2	ND	2.68			PCB-45	3.77			J
PCB-3	10.8				PCB-46	ND	2.22		
PCB-4/10	57.1				PCB-47	4.33			J
PCB-5/8	142				PCB-48/75	3.62			J
PCB-6	23.3				PCB-50	ND	1.86		
PCB-7/9	12.6			J	PCB-51	ND	1.66		
PCB-11	17.8			B	PCB-52/69	9.64			J
PCB-12/13	ND	9.04			PCB-53	ND	1.64		
PCB-14	ND	7.56			PCB-54	ND	1.40		
PCB-15	31.1				PCB-55	ND	1.30		
PCB-16/32	56.0				PCB-56/60	2.90			J
PCB-17	32.5				PCB-57	ND	1.22		
PCB-18	88.4				PCB-58	ND	1.29		
PCB-19	9.58				PCB-61/70	4.58			J
PCB-20/21/33	28.1				PCB-62	ND	1.40		
PCB-22	15.8				PCB-63	ND	1.25		
PCB-23	ND	1.75			PCB-65	ND	1.40		
PCB-24/27	7.22			J	PCB-67	ND	1.35		
PCB-25	ND		4.57		PCB-68	ND	1.26		
PCB-26	9.28				PCB-73	ND	1.34		
PCB-28	ND		31.8		PCB-74	ND	1.13		
PCB-29	ND	1.91			PCB-76/66	3.40			J
PCB-30	ND	1.07			PCB-77	ND	1.24		
PCB-31	41.7				PCB-78	ND	1.28		
PCB-34	ND	1.95			PCB-79	ND	1.38		
PCB-35	ND	1.98			PCB-80	ND	1.16		
PCB-36	ND	1.94			PCB-81	ND	1.11		
PCB-37	4.91			J	PCB-82	ND	3.53		
PCB-38	ND	1.85			PCB-83	ND	2.29		
PCB-39	ND	1.87			PCB-84/92	ND	3.19		
PCB-40	ND	2.39			PCB-85/116	ND	2.66		
PCB-41/64/71/72	7.79			J	PCB-86	ND	3.53		
PCB-42/59	3.48			J	PCB-87/117/125	ND	2.32		
PCB-43/49	8.03			J	PCB-88/91	ND	3.33		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05
Project:	Locher Road AR	Sample Size:	1.01 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:20			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 04:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.28			PCB-136	ND	2.95		
PCB-90/101	ND	2.79			PCB-137	ND	1.84		
PCB-93	ND	3.25			PCB-138/163/164	ND	1.60		
PCB-94	ND	3.27			PCB-139/149	ND	3.61		
PCB-95/98/102	ND	3.05			PCB-140	ND	4.12		
PCB-96	ND	2.39			PCB-141	ND	1.98		
PCB-97	ND	2.85			PCB-144	ND	3.88		
PCB-99	ND	2.66			PCB-145	ND	2.67		
PCB-100	ND	2.58			PCB-146/165	ND	1.64		
PCB-103	ND	2.77			PCB-147	ND	3.77		
PCB-104	ND	2.03			PCB-148	ND	3.75		
PCB-105	ND	2.14			PCB-150	ND	2.75		
PCB-106/118	ND	2.15			PCB-151	ND	4.02		
PCB-107/109	ND	2.05			PCB-152	ND	2.68		
PCB-108/112	ND	2.76			PCB-153	ND	1.67		
PCB-110	ND		3.21		PCB-154	ND	3.49		
PCB-111/115	ND	2.05			PCB-155	ND	2.56		
PCB-113	ND	2.34			PCB-156	ND	1.39		
PCB-114	ND	2.15			PCB-157	ND	1.66		
PCB-119	ND	2.05			PCB-158/160	ND	1.54		
PCB-120	ND	2.00			PCB-159	ND	1.56		
PCB-121	ND	2.20			PCB-166	ND	1.51		
PCB-122	ND	2.39			PCB-167	ND	1.46		
PCB-123	ND	2.20			PCB-168	ND	1.45		
PCB-124	ND	1.96			PCB-169	ND	1.60		
PCB-126	ND	2.34			PCB-170	ND	1.28		
PCB-127	ND	2.27			PCB-171	ND	1.34		
PCB-128/162	ND	1.71			PCB-172	ND	1.50		
PCB-129	ND	2.27			PCB-173	ND	1.60		
PCB-130	ND	2.15			PCB-174	ND	1.33		
PCB-131	ND	2.24			PCB-175	ND	1.64		
PCB-132/161	ND	1.74			PCB-176	ND	1.19		
PCB-133/142	ND	2.14			PCB-177	ND	1.44		
PCB-134/143	ND	2.11			PCB-178	ND	1.74		
PCB-135	ND	4.15			PCB-179	ND	1.23		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05
Project:	Locher Road AR	Sample Size:	1.01 L	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 12:20			QC Batch:	B4C0018
				Date Analyzed :	11-Mar-14 04:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.31			Total octaCB	ND	2.98		
PCB-181	ND	1.30			Total nonaCB	ND	2.63		
PCB-182/187	ND	1.52			DecaCB	ND	2.26		
PCB-183	ND	1.48			Total PCB	674			B
PCB-184	ND	1.28							
PCB-185	ND	1.34							
PCB-186	ND	1.20							
PCB-188	ND	1.10							
PCB-189	ND	0.972							
PCB-190	ND	0.913							
PCB-191	ND	1.09							
PCB-192	ND	1.15							
PCB-193	ND	1.07							
PCB-194	ND	2.72							
PCB-195	ND	2.73							
PCB-196/203	ND	2.65							
PCB-197	ND	2.07							
PCB-198	ND	2.98							
PCB-199	ND	2.77							
PCB-200	ND	2.15							
PCB-201	ND	2.03							
PCB-202	ND	2.06							
PCB-204	ND	2.18							
PCB-205	ND	2.26							
PCB-206	ND	2.63							
PCB-207	ND	1.30							
PCB-208	ND	1.25							
PCB-209	ND	2.26							
Total monoCB	37.2								
Total diCB	284			B					
Total triCB	294		330						
Total tetraCB	59.3								
Total pentaCB	ND		3.21	J					
Total hexaCB	ND	4.15							
Total heptaCB	ND	1.74							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400175-05	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	1.01 L	QC Batch:	B4C0018	Date Extracted:	05-Mar-2014 7:30
Date Collected:	27-Feb-2014 12:20			Date Analyzed :	11-Mar-14 04:10	Column:	ZB-1
						Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	67.2	5 -145		13C-PCB-170	74.9	10 -145	
13C-PCB-3	73.7	5 -145		13C-PCB-180	70.4	10 -145	
13C-PCB-4	52.5	5 -145		13C-PCB-188	57.0	10 -145	
13C-PCB-11	66.2	5 -145		13C-PCB-189	70.9	10 -145	
13C-PCB-9	51.5	5 -145		13C-PCB-194	71.3	10 -145	
13C-PCB-19	63.9	5 -145		13C-PCB-202	54.2	10 -145	
13C-PCB-28	61.4	5 -145		13C-PCB-206	81.1	10 -145	
13C-PCB-32	66.5	5 -145		13C-PCB-208	76.4	10 -145	
13C-PCB-37	77.2	5 -145		13C-PCB-209	99.7	10 -145	
13C-PCB-47	64.8	5 -145		CRS 13C-PCB-79	87.6	10 -145	
13C-PCB-52	65.3	5 -145		13C-PCB-178	72.1	10 -145	
13C-PCB-54	58.0	5 -145					
13C-PCB-70	70.3	5 -145					
13C-PCB-77	85.7	10 -145					
13C-PCB-80	71.2	10 -145					
13C-PCB-81	79.2	10 -145					
13C-PCB-95	66.2	10 -145					
13C-PCB-97	73.2	10 -145					
13C-PCB-101	69.7	10 -145					
13C-PCB-104	64.8	10 -145					
13C-PCB-105	52.7	10 -145					
13C-PCB-114	51.5	10 -145					
13C-PCB-118	77.0	10 -145					
13C-PCB-123	79.4	10 -145					
13C-PCB-126	63.4	10 -145					
13C-PCB-127	57.0	10 -145					
13C-PCB-138	67.8	10 -145					
13C-PCB-141	68.2	10 -145					
13C-PCB-153	66.4	10 -145					
13C-PCB-155	55.4	10 -145					
13C-PCB-156	73.0	10 -145					
13C-PCB-157	74.1	10 -145					
13C-PCB-159	71.7	10 -145					
13C-PCB-167	73.8	10 -145					
13C-PCB-169	83.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.549			PCB-43/49	ND	0.556		
PCB-2	ND	0.627			PCB-44	ND	0.637		
PCB-3	ND	0.612			PCB-45	ND	0.624		
PCB-4/10	ND	2.74			PCB-46	ND	0.691		
PCB-5/8	ND	2.40			PCB-47	ND		0.889	
PCB-6	ND	2.42			PCB-48/75	ND	0.435		
PCB-7/9	ND	2.39			PCB-50	ND	0.539		
PCB-11	ND	2.37			PCB-51	ND	0.516		
PCB-12/13	ND	2.52			PCB-52/69	ND	0.472		
PCB-14	ND	2.11			PCB-53	ND	0.510		
PCB-15	ND	2.46			PCB-54	ND	0.406		
PCB-16/32	ND	0.380			PCB-55	ND	0.420		
PCB-17	ND	0.437			PCB-56/60	ND	0.445		
PCB-18	ND	0.470			PCB-57	ND	0.391		
PCB-19	ND	0.439			PCB-58	ND	0.414		
PCB-20/21/33	ND	0.559			PCB-61/70	ND	0.420		
PCB-22	ND	0.530			PCB-62	ND	0.439		
PCB-23	ND	0.520			PCB-63	ND	0.400		
PCB-24/27	ND	0.329			PCB-65	ND	0.436		
PCB-25	ND	0.571			PCB-67	ND	0.432		
PCB-26	ND	0.595			PCB-68	ND	0.394		
PCB-28	ND	0.500			PCB-73	ND	0.417		
PCB-29	ND	0.569			PCB-74	ND	0.364		
PCB-30	ND	0.292			PCB-76/66	ND	0.385		
PCB-31	ND	0.604			PCB-77	ND	0.371		
PCB-34	ND	0.579			PCB-78	ND	0.415		
PCB-35	ND	0.550			PCB-79	ND	0.447		
PCB-36	ND	0.541			PCB-80	ND	0.375		
PCB-37	ND	0.587			PCB-81	ND	0.362		
PCB-38	ND	0.516			PCB-82	ND	1.33		
PCB-39	ND	0.521			PCB-83	ND	0.825		
PCB-40	ND	0.747			PCB-84/92	ND	1.25		
PCB-41/64/71/72	ND	0.439			PCB-85/116	ND	0.959		
PCB-42/59	ND	0.477			PCB-86	ND	1.27		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.835			PCB-133/142	ND	0.622		
PCB-88/91	ND	1.31			PCB-134/143	ND	0.613		
PCB-89	ND	1.29			PCB-135	ND	1.40		
PCB-90/101	ND	1.10			PCB-136	ND	0.999		
PCB-93	ND	1.27			PCB-137	ND	0.584		
PCB-94	ND	1.28			PCB-138/163/164	ND	0.484		
PCB-95/98/102	ND	1.20			PCB-139/149	ND	1.22		
PCB-96	ND	0.949			PCB-140	ND	1.39		
PCB-97	ND	1.03			PCB-141	ND	0.627		
PCB-99	ND	1.04			PCB-144	ND	1.31		
PCB-100	ND	1.03			PCB-145	ND	0.904		
PCB-103	ND	1.10			PCB-146/165	ND	0.477		
PCB-104	ND	0.805			PCB-147	ND	1.28		
PCB-105	ND	0.723			PCB-148	ND	1.27		
PCB-106/118	ND	0.742			PCB-150	ND	0.929		
PCB-107/109	ND	0.772			PCB-151	ND	1.36		
PCB-108/112	ND	0.994			PCB-152	ND	0.908		
PCB-110	ND	0.780			PCB-153	ND	0.484		
PCB-111/115	ND	0.741			PCB-154	ND	1.18		
PCB-113	ND	0.918			PCB-155	ND	0.865		
PCB-114	ND	0.797			PCB-156	ND	0.451		
PCB-119	ND	0.739			PCB-157	ND	0.480		
PCB-120	ND	0.723			PCB-158/160	ND	0.467		
PCB-121	ND	0.861			PCB-159	ND	0.487		
PCB-122	ND	0.886			PCB-166	ND	0.472		
PCB-123	ND	0.828			PCB-167	ND	0.442		
PCB-124	ND	0.739			PCB-168	ND	0.420		
PCB-126	ND	0.838			PCB-169	ND	0.513		
PCB-127	ND	0.809			PCB-170	ND	0.402		
PCB-128/162	ND	0.535			PCB-171	ND	0.400		
PCB-129	ND	0.687			PCB-172	ND	0.447		
PCB-130	ND	0.681			PCB-173	ND	0.477		
PCB-131	ND	0.651			PCB-174	ND	0.398		
PCB-132/161	ND	0.504			PCB-175	ND	0.438		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.319			Total triCB	ND	0.604		
PCB-177	ND	0.429			Total tetraCB	ND		0.889	
PCB-178	ND	0.464			Total pentaCB	ND	1.33		
PCB-179	ND	0.330			Total hexaCB	ND	1.40		
PCB-180	ND	0.391			Total heptaCB	ND	0.477		
PCB-181	ND	0.386			Total octaCB	ND	0.798		
PCB-182/187	ND	0.407			Total nonaCB	ND	0.589		
PCB-183	ND	0.396			DecaCB	ND	0.475		
PCB-184	ND	0.343			Total PCB	ND			
PCB-185	ND	0.399							
PCB-186	ND	0.320							
PCB-188	ND	0.294							
PCB-189	ND	0.261							
PCB-190	ND	0.287							
PCB-191	ND	0.326							
PCB-192	ND	0.342							
PCB-193	ND	0.318							
PCB-194	ND	0.560							
PCB-195	ND	0.562							
PCB-196/203	ND	0.711							
PCB-197	ND	0.556							
PCB-198	ND	0.798							
PCB-199	ND	0.742							
PCB-200	ND	0.576							
PCB-201	ND	0.544							
PCB-202	ND	0.552							
PCB-204	ND	0.586							
PCB-205	ND	0.466							
PCB-206	ND	0.589							
PCB-207	ND	0.318							
PCB-208	ND	0.307							
PCB-209	ND	0.475							
Total monoCB	ND	0.627							
Total diCB	ND	2.74							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BLK1
Date Analyzed: 11-Mar-14 02:02 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	93.5	5-145		13C-PCB-157	96.9	10-145	
13C-PCB-3	94.4	5-145		13C-PCB-159	92.3	10-145	
13C-PCB-4	68.0	5-145		13C-PCB-167	97.5	10-145	
13C-PCB-11	74.4	5-145		13C-PCB-169	111	10-145	
13C-PCB-9	66.7	5-145		13C-PCB-170	101	10-145	
13C-PCB-19	84.7	5-145		13C-PCB-180	93.3	10-145	
13C-PCB-28	74.8	5-145		13C-PCB-188	75.5	10-145	
13C-PCB-32	79.9	5-145		13C-PCB-189	106	10-145	
13C-PCB-37	93.9	5-145		13C-PCB-194	94.3	10-145	
13C-PCB-47	81.5	5-145		13C-PCB-202	72.6	10-145	
13C-PCB-52	81.6	5-145		13C-PCB-206	118	10-145	
13C-PCB-54	78.0	5-145		13C-PCB-208	104	10-145	
13C-PCB-70	85.7	5-145		13C-PCB-209	131	10-145	
13C-PCB-77	105	10-145		CRS 13C-PCB-79	101	10-145	
13C-PCB-80	84.3	10-145		13C-PCB-178	93.1	10-145	
13C-PCB-81	97.4	10-145					
13C-PCB-95	82.1	10-145					
13C-PCB-97	93.6	10-145					
13C-PCB-101	87.2	10-145					
13C-PCB-104	82.3	10-145					
13C-PCB-105	72.1	10-145					
13C-PCB-114	69.5	10-145					
13C-PCB-118	98.7	10-145					
13C-PCB-123	102	10-145					
13C-PCB-126	82.7	10-145					
13C-PCB-127	78.0	10-145					
13C-PCB-138	88.7	10-145					
13C-PCB-141	91.7	10-145					
13C-PCB-153	87.9	10-145					
13C-PCB-155	68.7	10-145					
13C-PCB-156	96.9	10-145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BS1
Date Analyzed: 10-Mar-14 23:53 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	433	500	86.5	60 - 135	IS 13C-PCB-1	78.0	15 - 145
PCB-3	449	500	89.7	60 - 135	IS 13C-PCB-3	78.9	15 - 145
PCB-4/10	1970	2000	98.7	60 - 135	IS 13C-PCB-4	60.8	15 - 145
PCB-15	1030	1000	103	60 - 135	IS 13C-PCB-11	69.0	15 - 145
PCB-19	559	500	112	60 - 135	IS 13C-PCB-9	58.9	15 - 145
PCB-37	534	500	107	60 - 135	IS 13C-PCB-19	72.6	15 - 145
PCB-54	530	500	106	60 - 135	IS 13C-PCB-28	70.2	15 - 145
PCB-77	490	500	98.0	60 - 135	IS 13C-PCB-32	74.0	15 - 145
PCB-81	475	500	95.1	60 - 135	IS 13C-PCB-37	90.4	15 - 145
PCB-104	563	500	113	60 - 135	IS 13C-PCB-47	76.9	15 - 145
PCB-105	438	500	87.5	60 - 135	IS 13C-PCB-52	75.6	15 - 145
PCB-106/118	1100	1000	110	60 - 135	IS 13C-PCB-54	68.3	15 - 145
PCB-114	457	500	91.4	60 - 135	IS 13C-PCB-70	79.9	15 - 145
PCB-126	436	500	87.3	60 - 135	IS 13C-PCB-77	99.3	40 - 145
PCB-155	550	500	110	60 - 135	IS 13C-PCB-80	79.6	40 - 145
PCB-156	457	500	91.5	60 - 135	IS 13C-PCB-81	94.6	40 - 145
PCB-157	463	500	92.6	60 - 135	IS 13C-PCB-95	78.2	40 - 145
PCB-167	463	500	92.6	60 - 135	IS 13C-PCB-97	84.6	40 - 145
PCB-169	448	500	89.6	60 - 135	IS 13C-PCB-101	80.4	40 - 145
PCB-188	539	500	108	60 - 135	IS 13C-PCB-104	75.9	40 - 145
PCB-189	515	500	103	60 - 135	IS 13C-PCB-105	74.1	40 - 145
PCB-202	541	500	108	60 - 135	IS 13C-PCB-114	69.7	40 - 145
PCB-205	446	500	89.1	60 - 135	IS 13C-PCB-118	90.2	40 - 145
PCB-206	474	500	94.9	60 - 135	IS 13C-PCB-123	94.8	40 - 145
PCB-208	474	500	94.9	60 - 135	IS 13C-PCB-126	82.6	40 - 145
PCB-209	496	500	99.1	60 - 135	IS 13C-PCB-127	73.4	40 - 145
					IS 13C-PCB-138	85.1	40 - 145
					IS 13C-PCB-141	86.5	40 - 145
					IS 13C-PCB-153	82.0	40 - 145
					IS 13C-PCB-155	64.4	40 - 145
					IS 13C-PCB-156	90.5	40 - 145
					IS 13C-PCB-157	93.9	40 - 145
					IS 13C-PCB-159	88.6	40 - 145
					IS 13C-PCB-167	91.0	40 - 145
					IS 13C-PCB-169	107	40 - 145
					IS 13C-PCB-170	95.8	40 - 145
					IS 13C-PCB-180	90.0	40 - 145
					IS 13C-PCB-188	73.0	40 - 145
					IS 13C-PCB-189	92.5	40 - 145
					IS 13C-PCB-194	92.0	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B4C0024
Date Extracted: 06-Mar-2014 11:38

Lab Sample: B4C0024-BS1
Date Analyzed: 10-Mar-14 23:53 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	67.5	40 - 145
					IS 13C-PCB-206	106	40 - 145
					IS 13C-PCB-208	96.5	40 - 145
					IS 13C-PCB-209	122	40 - 145
					CRS 13C-PCB-79	94.1	40 - 145
					CRS 13C-PCB-178	83.7	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06
Project:	Locher Road AR	Sample Size:	14.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 05:14 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.852			PCB-44	20.8			
PCB-2	ND	0.983			PCB-45	2.93			
PCB-3	0.822			J	PCB-46	1.25			J
PCB-4/10	ND	2.70			PCB-47	6.68			
PCB-5/8	3.18			J	PCB-48/75	3.58			J
PCB-6	ND	2.40			PCB-50	ND	0.729		
PCB-7/9	ND	2.37			PCB-51	0.532			J
PCB-11	3.77			J	PCB-52/69	24.8			
PCB-12/13	ND	2.39			PCB-53	ND		1.77	
PCB-14	ND	2.00			PCB-54	ND	0.548		
PCB-15	8.73				PCB-55	ND	0.493		
PCB-16/32	5.01			J	PCB-56/60	19.6			
PCB-17	5.53				PCB-57	ND	0.486		
PCB-18	13.6				PCB-58	ND	0.515		
PCB-19	1.02			J	PCB-61/70	33.3			
PCB-20/21/33	ND		5.65		PCB-62	ND	0.582		
PCB-22	9.27				PCB-63	1.33			J
PCB-23	ND	0.807			PCB-65	ND	0.579		
PCB-24/27	1.35			J	PCB-67	0.967			J
PCB-25	ND		1.38		PCB-68	0.502			J
PCB-26	3.09				PCB-73	ND	0.543		
PCB-28	16.0				PCB-74	11.3			
PCB-29	ND	0.883			PCB-76/66	21.8			
PCB-30	ND	0.401			PCB-77	3.49			
PCB-31	20.2				PCB-78	ND	0.505		
PCB-34	ND	0.898			PCB-79	1.02			J
PCB-35	ND	0.797			PCB-80	ND	0.440		
PCB-36	ND	0.784			PCB-81	ND	0.440		
PCB-37	11.8				PCB-82	5.20			
PCB-38	0.589			J	PCB-83	ND	1.02		
PCB-39	ND	0.755			PCB-84/92	18.4			
PCB-40	3.19				PCB-85/116	11.0			
PCB-41/64/71/72	17.4				PCB-86	ND	1.58		
PCB-42/59	6.35				PCB-87/117/125	18.0			
PCB-43/49	18.0				PCB-88/91	6.77			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06
Project:	Locher Road AR	Sample Size:	14.1 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	Date Analyzed :	11-Mar-14 05:14
				Date Received:	28-Feb-2014 11:53
				Date Extracted:	06-Mar-2014 11:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.41			PCB-136	5.39			
PCB-90/101	50.1				PCB-137	3.13			
PCB-93	ND	1.51			PCB-138/163/164	52.0			
PCB-94	ND	1.53			PCB-139/149	36.5			
PCB-95/98/102	30.3				PCB-140	ND	1.69		
PCB-96	ND	1.13			PCB-141	7.67			
PCB-97	14.2				PCB-144	ND		1.41	
PCB-99	25.6				PCB-145	ND	1.10		
PCB-100	ND	1.22			PCB-146/165	5.43			
PCB-103	ND	1.31			PCB-147	1.11			J
PCB-104	ND	0.959			PCB-148	ND	1.54		
PCB-105	19.6				PCB-150	ND	1.13		
PCB-106/118	55.3				PCB-151	8.60			
PCB-107/109	4.22			J	PCB-152	ND	1.10		
PCB-108/112	1.89			J	PCB-153	40.8			
PCB-110	56.2				PCB-154	ND	1.43		
PCB-111/115	0.895			J	PCB-155	ND	1.05		
PCB-113	ND	1.01			PCB-156	5.81			
PCB-114	0.838			J	PCB-157	1.98			J
PCB-119	ND	0.914			PCB-158/160	5.83			
PCB-120	ND	0.895			PCB-159	ND	0.720		
PCB-121	ND	1.03			PCB-166	ND	0.698		
PCB-122	0.440			J	PCB-167	2.82			
PCB-123	1.51			J	PCB-168	ND	0.713		
PCB-124	2.16			J	PCB-169	ND	0.717		
PCB-126	ND	1.18			PCB-170	10.7			
PCB-127	ND	1.14			PCB-171	2.00			J
PCB-128/162	9.35				PCB-172	2.04			J
PCB-129	2.06			J	PCB-173	ND	0.650		
PCB-130	3.23				PCB-174	9.02			
PCB-131	ND	1.11			PCB-175	ND	0.679		
PCB-132/161	10.5				PCB-176	1.07			J
PCB-133/142	ND		1.40		PCB-177	6.00			
PCB-134/143	1.84			J	PCB-178	3.64			
PCB-135	6.22				PCB-179	4.87			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06
Project:	Locher Road AR	Sample Size:	14.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 05:14 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	22.4				Total octaCB	31.3		47.6	
PCB-181	ND	0.526			Total nonaCB	27.6			
PCB-182/187	19.5				DecaCB	22.2			
PCB-183	6.41				Total PCB	1010			
PCB-184	ND	0.531							
PCB-185	1.32			J					
PCB-186	ND	0.496							
PCB-188	ND	0.455							
PCB-189	0.741			J					
PCB-190	2.27			J					
PCB-191	ND	0.445							
PCB-192	ND	0.465							
PCB-193	1.31			J					
PCB-194	7.11								
PCB-195	ND		1.89						
PCB-196/203	15.3								
PCB-197	ND	0.754							
PCB-198	ND	1.08							
PCB-199	ND		14.4						
PCB-200	1.76			J					
PCB-201	1.94			J					
PCB-202	5.25								
PCB-204	ND	0.794							
PCB-205	ND	0.738							
PCB-206	17.6								
PCB-207	2.14			J					
PCB-208	7.89								
PCB-209	22.2								
Total monoCB	0.822			J					
Total diCB	15.7								
Total triCB	87.5		94.6						
Total tetraCB	199		201						
Total pentaCB	323								
Total hexaCB	210		213						
Total heptaCB	93.3								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-06	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	14.1 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:00	% Solids:	70.2	Date Analyzed :	11-Mar-14 05:14	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	94.8	5 -145		13C-PCB-170	109	10 -145	
13C-PCB-3	108	5 -145		13C-PCB-180	101	10 -145	
13C-PCB-4	72.4	5 -145		13C-PCB-188	78.8	10 -145	
13C-PCB-11	84.7	5 -145		13C-PCB-189	109	10 -145	
13C-PCB-9	73.7	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	91.5	5 -145		13C-PCB-202	76.7	10 -145	
13C-PCB-28	93.1	5 -145		13C-PCB-206	123	10 -145	
13C-PCB-32	93.6	5 -145		13C-PCB-208	107	10 -145	
13C-PCB-37	115	5 -145		13C-PCB-209	140	10 -145	
13C-PCB-47	85.5	5 -145		CRS 13C-PCB-79	110	10 -145	
13C-PCB-52	88.6	5 -145		13C-PCB-178	94.1	10 -145	
13C-PCB-54	78.5	5 -145					
13C-PCB-70	93.1	5 -145					
13C-PCB-77	113	10 -145					
13C-PCB-80	93.8	10 -145					
13C-PCB-81	107	10 -145					
13C-PCB-95	87.9	10 -145					
13C-PCB-97	98.6	10 -145					
13C-PCB-101	93.4	10 -145					
13C-PCB-104	87.9	10 -145					
13C-PCB-105	70.3	10 -145					
13C-PCB-114	73.4	10 -145					
13C-PCB-118	106	10 -145					
13C-PCB-123	113	10 -145					
13C-PCB-126	86.5	10 -145					
13C-PCB-127	79.4	10 -145					
13C-PCB-138	92.3	10 -145					
13C-PCB-141	93.3	10 -145					
13C-PCB-153	89.8	10 -145					
13C-PCB-155	74.9	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	108	10 -145					
13C-PCB-159	100	10 -145					
13C-PCB-167	104	10 -145					
13C-PCB-169	123	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 06:19 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.548			PCB-44	1.41			J
PCB-2	ND	0.624			PCB-45	ND	0.738		
PCB-3	ND	0.610			PCB-46	ND	0.818		
PCB-4/10	ND	3.07			PCB-47	0.918			J
PCB-5/8	ND	2.62			PCB-48/75	ND	0.492		
PCB-6	ND	2.63			PCB-50	ND	0.660		
PCB-7/9	ND	2.60			PCB-51	ND	0.611		
PCB-11	2.36			J	PCB-52/69	2.05			J
PCB-12/13	ND	2.76			PCB-53	ND	0.604		
PCB-14	ND	2.31			PCB-54	ND	0.497		
PCB-15	ND	2.70			PCB-55	ND	0.468		
PCB-16/32	ND	0.659			PCB-56/60	ND		0.866	
PCB-17	ND	0.489			PCB-57	ND	0.437		
PCB-18	ND	0.781			PCB-58	ND	0.462		
PCB-19	ND	0.535			PCB-61/70	2.76			J
PCB-20/21/33	0.599			J	PCB-62	ND	0.496		
PCB-22	ND	0.647			PCB-63	ND	0.447		
PCB-23	ND	0.636			PCB-65	ND	0.493		
PCB-24/27	ND	0.369			PCB-67	ND	0.483		
PCB-25	ND	0.697			PCB-68	ND	0.446		
PCB-26	ND	0.727			PCB-73	ND	0.493		
PCB-28	ND		0.754		PCB-74	0.529			J
PCB-29	ND	0.695			PCB-76/66	1.47			J
PCB-30	ND	0.357			PCB-77	ND	0.434		
PCB-31	1.10			J	PCB-78	ND	0.447		
PCB-34	ND	0.707			PCB-79	ND	0.499		
PCB-35	ND	0.752			PCB-80	ND	0.419		
PCB-36	ND	0.739			PCB-81	ND	0.389		
PCB-37	0.800			J	PCB-82	ND	1.42		
PCB-38	ND	0.705			PCB-83	ND	0.944		
PCB-39	ND	0.713			PCB-84/92	1.96			J
PCB-40	ND	0.845			PCB-85/116	1.45			J
PCB-41/64/71/72	1.18			J	PCB-86	ND	1.46		
PCB-42/59	ND	0.540			PCB-87/117/125	2.57			J
PCB-43/49	ND		1.27		PCB-88/91	1.21			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.5 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	Date Analyzed :	11-Mar-14 06:19	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.34			PCB-136	ND	1.05		
PCB-90/101	6.52				PCB-137	ND	0.704		
PCB-93	ND	1.31			PCB-138/163/164	8.07			
PCB-94	ND	1.32			PCB-139/149	ND		5.31	
PCB-95/98/102	3.34			J	PCB-140	ND	1.47		
PCB-96	ND	1.05			PCB-141	1.10			J
PCB-97	1.93			J	PCB-144	ND	1.38		
PCB-99	3.53				PCB-145	ND	0.951		
PCB-100	ND	1.13			PCB-146/165	0.865			J
PCB-103	ND	1.21			PCB-147	ND	1.34		
PCB-104	ND	0.886			PCB-148	ND	1.33		
PCB-105	2.47				PCB-150	ND	0.977		
PCB-106/118	7.10				PCB-151	1.68			J
PCB-107/109	ND	0.823			PCB-152	ND	0.955		
PCB-108/112	ND	1.14			PCB-153	6.51			
PCB-110	7.83				PCB-154	ND	1.24		
PCB-111/115	ND	0.848			PCB-155	ND	0.910		
PCB-113	ND	0.953			PCB-156	0.846			J
PCB-114	ND	0.831			PCB-157	ND		0.339	
PCB-119	ND	0.845			PCB-158/160	0.898			J
PCB-120	ND	0.828			PCB-159	ND	0.575		
PCB-121	ND	0.887			PCB-166	ND	0.558		
PCB-122	ND	0.924			PCB-167	0.475			J
PCB-123	ND	0.883			PCB-168	ND	0.556		
PCB-124	ND	0.787			PCB-169	ND	0.540		
PCB-126	ND	0.893			PCB-170	1.62			J
PCB-127	ND	0.926			PCB-171	ND	0.546		
PCB-128/162	1.29			J	PCB-172	ND	0.610		
PCB-129	ND	0.896			PCB-173	ND	0.651		
PCB-130	ND	0.821			PCB-174	1.70			J
PCB-131	ND	0.863			PCB-175	ND	0.596		
PCB-132/161	1.68			J	PCB-176	ND	0.433		
PCB-133/142	ND	0.824			PCB-177	0.902			J
PCB-134/143	ND	0.812			PCB-178	ND	0.631		
PCB-135	1.12			J	PCB-179	0.867			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 06:19 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	3.48				Total octaCB	6.46			
PCB-181	ND	0.527			Total nonaCB	2.75			
PCB-182/187	3.26			J	DecaCB	3.38			
PCB-183	0.898			J	Total PCB	105			
PCB-184	ND	0.465							
PCB-185	ND	0.544							
PCB-186	ND	0.435							
PCB-188	ND	0.399							
PCB-189	ND	0.348							
PCB-190	ND		0.359						
PCB-191	ND	0.445							
PCB-192	ND	0.466							
PCB-193	ND	0.434							
PCB-194	1.15			J					
PCB-195	ND	0.830							
PCB-196/203	2.28			J					
PCB-197	ND	0.771							
PCB-198	ND	1.11							
PCB-199	2.43			J					
PCB-200	ND	0.799							
PCB-201	ND	0.754							
PCB-202	0.603			J					
PCB-204	ND	0.813							
PCB-205	ND	0.688							
PCB-206	1.87			J					
PCB-207	ND	0.468							
PCB-208	0.882			J					
PCB-209	3.38								
Total monoCB	ND	0.624							
Total diCB	2.36			J					
Total triCB	2.50		3.26						
Total tetraCB	10.3		12.5						
Total pentaCB	39.9								
Total hexaCB	24.5		30.2						
Total heptaCB	12.7		13.1						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-07	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.5 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:03	% Solids:	81.8	Date Analyzed :	11-Mar-14 06:19	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	93.8	5 -145		13C-PCB-170	112	10 -145	
13C-PCB-3	106	5 -145		13C-PCB-180	102	10 -145	
13C-PCB-4	69.4	5 -145		13C-PCB-188	81.6	10 -145	
13C-PCB-11	79.8	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	69.5	5 -145		13C-PCB-194	96.5	10 -145	
13C-PCB-19	90.8	5 -145		13C-PCB-202	79.7	10 -145	
13C-PCB-28	91.7	5 -145		13C-PCB-206	116	10 -145	
13C-PCB-32	89.1	5 -145		13C-PCB-208	102	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	139	10 -145	
13C-PCB-47	86.2	5 -145		CRS 13C-PCB-79	106	10 -145	
13C-PCB-52	84.8	5 -145		13C-PCB-178	98.2	10 -145	
13C-PCB-54	75.3	5 -145					
13C-PCB-70	91.3	5 -145					
13C-PCB-77	110	10 -145					
13C-PCB-80	91.1	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	86.7	10 -145					
13C-PCB-97	95.1	10 -145					
13C-PCB-101	91.7	10 -145					
13C-PCB-104	85.0	10 -145					
13C-PCB-105	72.2	10 -145					
13C-PCB-114	72.0	10 -145					
13C-PCB-118	103	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	84.1	10 -145					
13C-PCB-127	77.4	10 -145					
13C-PCB-138	94.6	10 -145					
13C-PCB-141	94.1	10 -145					
13C-PCB-153	90.7	10 -145					
13C-PCB-155	74.9	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	108	10 -145					
13C-PCB-159	100	10 -145					
13C-PCB-167	103	10 -145					
13C-PCB-169	127	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 07:23 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.822			PCB-44	1.22			J
PCB-2	ND	0.896			PCB-45	ND	0.740		
PCB-3	ND	0.876			PCB-46	ND	0.819		
PCB-4/10	ND	3.11			PCB-47	1.13			J
PCB-5/8	ND	2.72			PCB-48/75	ND	0.538		
PCB-6	ND	2.73			PCB-50	ND	0.679		
PCB-7/9	ND	2.70			PCB-51	ND	0.612		
PCB-11	ND	2.70			PCB-52/69	1.80			J
PCB-12/13	ND	2.87			PCB-53	ND	0.605		
PCB-14	ND	2.40			PCB-54	ND	0.511		
PCB-15	ND	2.80			PCB-55	ND	0.500		
PCB-16/32	ND	0.636			PCB-56/60	2.07			J
PCB-17	ND	0.519			PCB-57	ND	0.476		
PCB-18	1.13			J	PCB-58	ND	0.504		
PCB-19	ND	0.553			PCB-61/70	3.49			J
PCB-20/21/33	0.596			J	PCB-62	ND	0.542		
PCB-22	ND		0.554		PCB-63	ND	0.487		
PCB-23	ND	0.673			PCB-65	ND	0.539		
PCB-24/27	ND	0.391			PCB-67	ND	0.526		
PCB-25	ND	0.738			PCB-68	ND	0.487		
PCB-26	ND	0.769			PCB-73	ND	0.494		
PCB-28	2.30			J	PCB-74	1.20			J
PCB-29	ND	0.736			PCB-76/66	2.57			J
PCB-30	ND	0.368			PCB-77	ND	0.468		
PCB-31	1.95			J	PCB-78	ND	0.481		
PCB-34	ND	0.749			PCB-79	ND	0.533		
PCB-35	ND	0.769			PCB-80	ND	0.447		
PCB-36	ND	0.756			PCB-81	ND	0.419		
PCB-37	1.41			J	PCB-82	ND	1.33		
PCB-38	ND	0.721			PCB-83	ND	0.917		
PCB-39	ND	0.729			PCB-84/92	1.86			J
PCB-40	ND	0.923			PCB-85/116	1.27			J
PCB-41/64/71/72	0.988			J	PCB-86	ND	1.42		
PCB-42/59	ND	0.589			PCB-87/117/125	1.94			J
PCB-43/49	1.64			J	PCB-88/91	ND	1.32		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.9 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	Date Analyzed :	11-Mar-14 07:23	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.31			PCB-136	ND	1.14		
PCB-90/101	4.89			J	PCB-137	ND	0.819		
PCB-93	ND	1.29			PCB-138/163/164	6.45			J
PCB-94	ND	1.30			PCB-139/149	3.90			
PCB-95/98/102	2.20			J	PCB-140	ND	1.59		
PCB-96	ND	1.03			PCB-141	1.09			J
PCB-97	1.62			J	PCB-144	ND	1.49		
PCB-99	2.02			J	PCB-145	ND	1.03		
PCB-100	ND	1.12			PCB-146/165	0.691			J
PCB-103	ND	1.20			PCB-147	ND	1.45		
PCB-104	ND	0.876			PCB-148	ND	1.44		
PCB-105	2.42			J	PCB-150	ND	1.06		
PCB-106/118	6.26				PCB-151	ND	1.55		
PCB-107/109	ND	0.775			PCB-152	ND	1.03		
PCB-108/112	ND	1.11			PCB-153	4.94			
PCB-110	5.49				PCB-154	ND	1.34		
PCB-111/115	ND	0.825			PCB-155	ND	0.984		
PCB-113	ND	0.932			PCB-156	0.822			J
PCB-114	ND	0.891			PCB-157	ND	0.624		
PCB-119	ND	0.822			PCB-158/160	0.922			J
PCB-120	ND	0.805			PCB-159	ND	0.597		
PCB-121	ND	0.872			PCB-166	ND	0.579		
PCB-122	ND	0.991			PCB-167	0.313			J
PCB-123	ND	0.832			PCB-168	ND	0.603		
PCB-124	ND	0.741			PCB-169	ND	0.567		
PCB-126	ND	0.892			PCB-170	1.51			J
PCB-127	ND	0.956			PCB-171	ND	0.559		
PCB-128/162	1.35			J	PCB-172	ND	0.624		
PCB-129	ND	0.888			PCB-173	ND	0.666		
PCB-130	ND	0.955			PCB-174	1.42			J
PCB-131	ND	0.936			PCB-175	ND	0.653		
PCB-132/161	ND		0.851		PCB-176	ND	0.475		
PCB-133/142	ND	0.894			PCB-177	ND		0.540	
PCB-134/143	ND	0.881			PCB-178	ND	0.691		
PCB-135	1.12			J	PCB-179	0.823			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 07:23
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	3.45				Total octaCB	4.14			
PCB-181	ND	0.539			Total nonaCB	0.805		2.73	
PCB-182/187	2.34			J	DecaCB	2.36			J
PCB-183	ND		0.697		Total PCB	91.9			
PCB-184	ND	0.510							
PCB-185	ND	0.557							
PCB-186	ND	0.477							
PCB-188	ND	0.437							
PCB-189	ND	0.357							
PCB-190	ND	0.377							
PCB-191	ND	0.455							
PCB-192	ND	0.477							
PCB-193	ND	0.444							
PCB-194	1.05			J					
PCB-195	ND	0.845							
PCB-196/203	1.56			J					
PCB-197	ND	0.787							
PCB-198	ND	1.13							
PCB-199	1.53			J					
PCB-200	ND	0.816							
PCB-201	ND	0.770							
PCB-202	ND	0.781							
PCB-204	ND	0.829							
PCB-205	ND	0.701							
PCB-206	ND		1.93						
PCB-207	ND	0.474							
PCB-208	0.805			J					
PCB-209	2.36			J					
Total monoCB	ND	0.896							
Total diCB	ND	3.11							
Total triCB	7.39		7.94						
Total tetraCB	16.1								
Total pentaCB	30.0								
Total hexaCB	21.6		22.4						
Total heptaCB	9.53		10.8						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-08	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.9 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:10	% Solids:	85.5	Date Analyzed :	11-Mar-14 07:23	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	98.6	5 -145		13C-PCB-170	110	10 -145	
13C-PCB-3	107	5 -145		13C-PCB-180	100	10 -145	
13C-PCB-4	69.7	5 -145		13C-PCB-188	76.4	10 -145	
13C-PCB-11	77.7	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	68.7	5 -145		13C-PCB-194	96.0	10 -145	
13C-PCB-19	92.8	5 -145		13C-PCB-202	79.5	10 -145	
13C-PCB-28	79.7	5 -145		13C-PCB-206	117	10 -145	
13C-PCB-32	89.5	5 -145		13C-PCB-208	107	10 -145	
13C-PCB-37	97.3	5 -145		13C-PCB-209	145	10 -145	
13C-PCB-47	83.7	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	82.7	5 -145		13C-PCB-178	94.6	10 -145	
13C-PCB-54	72.1	5 -145					
13C-PCB-70	86.4	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	87.9	10 -145					
13C-PCB-81	102	10 -145					
13C-PCB-95	84.5	10 -145					
13C-PCB-97	94.7	10 -145					
13C-PCB-101	90.7	10 -145					
13C-PCB-104	83.4	10 -145					
13C-PCB-105	65.6	10 -145					
13C-PCB-114	67.9	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	82.5	10 -145					
13C-PCB-127	70.0	10 -145					
13C-PCB-138	92.8	10 -145					
13C-PCB-141	88.9	10 -145					
13C-PCB-153	84.5	10 -145					
13C-PCB-155	74.9	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	106	10 -145					
13C-PCB-159	96.6	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	125	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09
Project:	Locher Road AR	Sample Size:	13.1 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 08:27 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.415			PCB-44	ND	0.840		
PCB-2	ND	0.467			PCB-45	ND	0.833		
PCB-3	ND		0.253		PCB-46	ND	0.923		
PCB-4/10	ND	2.82			PCB-47	ND	0.710		
PCB-5/8	ND	2.48			PCB-48/75	ND	0.574		
PCB-6	ND	2.49			PCB-50	ND	0.743		
PCB-7/9	ND	2.46			PCB-51	ND	0.689		
PCB-11	ND	2.55			PCB-52/69	ND	0.631		
PCB-12/13	ND	2.71			PCB-53	ND	0.682		
PCB-14	ND	2.27			PCB-54	ND	0.559		
PCB-15	ND	2.65			PCB-55	ND	0.536		
PCB-16/32	ND	0.524			PCB-56/60	ND	0.568		
PCB-17	ND	0.603			PCB-57	ND	0.484		
PCB-18	ND	0.649			PCB-58	ND	0.512		
PCB-19	ND	0.641			PCB-61/70	ND		0.451	
PCB-20/21/33	ND	0.705			PCB-62	ND	0.578		
PCB-22	ND	0.669			PCB-63	ND	0.495		
PCB-23	ND	0.657			PCB-65	ND	0.575		
PCB-24/27	ND	0.455			PCB-67	ND	0.535		
PCB-25	ND	0.720			PCB-68	ND	0.519		
PCB-26	ND	0.751			PCB-73	ND	0.556		
PCB-28	ND	0.631			PCB-74	ND	0.450		
PCB-29	ND	0.718			PCB-76/66	ND	0.476		
PCB-30	ND	0.427			PCB-77	ND	0.476		
PCB-31	ND	0.762			PCB-78	ND	0.522		
PCB-34	ND	0.731			PCB-79	ND	0.572		
PCB-35	ND	0.767			PCB-80	ND	0.479		
PCB-36	ND	0.753			PCB-81	ND	0.455		
PCB-37	ND	0.818			PCB-82	ND	1.01		
PCB-38	ND	0.719			PCB-83	ND	0.680		
PCB-39	ND	0.726			PCB-84/92	ND	0.979		
PCB-40	ND	0.984			PCB-85/116	ND	0.791		
PCB-41/64/71/72	ND	0.579			PCB-86	ND	1.05		
PCB-42/59	ND	0.629			PCB-87/117/125	ND	0.689		
PCB-43/49	ND	0.743			PCB-88/91	ND	1.00		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09
Project:	Locher Road AR	Sample Size:	13.1 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 08:27
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.01			PCB-136	ND	1.01		
PCB-90/101	ND	0.842			PCB-137	ND	0.685		
PCB-93	ND	0.976			PCB-138/163/164	ND		1.63	
PCB-94	ND	0.984			PCB-139/149	ND	1.23		
PCB-95/98/102	ND	0.917			PCB-140	ND	1.40		
PCB-96	ND	0.789			PCB-141	ND	0.736		
PCB-97	ND	0.848			PCB-144	ND	1.32		
PCB-99	ND	0.803			PCB-145	ND	0.910		
PCB-100	ND	0.853			PCB-146/165	ND	0.581		
PCB-103	ND	0.916			PCB-147	ND	1.28		
PCB-104	ND	0.669			PCB-148	ND	1.28		
PCB-105	ND	0.756			PCB-150	ND	0.935		
PCB-106/118	0.557			J	PCB-151	ND	1.37		
PCB-107/109	ND	0.587			PCB-152	ND	0.913		
PCB-108/112	ND	0.819			PCB-153	1.50			J
PCB-110	0.665			J	PCB-154	ND	1.19		
PCB-111/115	ND	0.611			PCB-155	ND	0.871		
PCB-113	ND	0.717			PCB-156	ND	0.515		
PCB-114	ND	0.914			PCB-157	ND	0.545		
PCB-119	ND	0.609			PCB-158/160	ND	0.553		
PCB-120	ND	0.596			PCB-159	ND	0.563		
PCB-121	ND	0.660			PCB-166	ND	0.546		
PCB-122	ND	1.02			PCB-167	ND	0.525		
PCB-123	ND	0.629			PCB-168	ND	0.512		
PCB-124	ND	0.561			PCB-169	ND	0.497		
PCB-126	ND	0.872			PCB-170	ND		0.503	
PCB-127	ND	0.970			PCB-171	ND	0.496		
PCB-128/162	ND	0.620			PCB-172	ND	0.553		
PCB-129	ND	0.814			PCB-173	ND	0.591		
PCB-130	ND	0.799			PCB-174	ND		0.657	
PCB-131	ND	0.794			PCB-175	ND	0.586		
PCB-132/161	ND	0.615			PCB-176	ND	0.426		
PCB-133/142	ND	0.758			PCB-177	ND		0.382	
PCB-134/143	ND	0.747			PCB-178	ND	0.620		
PCB-135	ND	1.41			PCB-179	ND	0.440		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	13.1 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	Date Analyzed :	11-Mar-14 08:27	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1.36			J	Total octaCB	ND	1.25		
PCB-181	ND	0.478			Total nonaCB	ND	0.998		
PCB-182/187	1.39			J	DecaCB	0.944			J
PCB-183	ND	0.529			Total PCB	6.42			
PCB-184	ND	0.458							
PCB-185	ND	0.494							
PCB-186	ND	0.428							
PCB-188	ND	0.392							
PCB-189	ND	0.344							
PCB-190	ND	0.367							
PCB-191	ND	0.404							
PCB-192	ND	0.423							
PCB-193	ND	0.394							
PCB-194	ND	1.00							
PCB-195	ND	1.00							
PCB-196/203	ND	1.19							
PCB-197	ND	0.760							
PCB-198	ND	1.09							
PCB-199	ND	1.25							
PCB-200	ND	0.788							
PCB-201	ND	0.743							
PCB-202	ND	0.755							
PCB-204	ND	0.801							
PCB-205	ND	0.833							
PCB-206	ND	0.998							
PCB-207	ND	0.494							
PCB-208	ND	0.224							
PCB-209	0.944			J					
Total monoCB	ND		0.253	J					
Total diCB	ND	2.82							
Total triCB	ND	0.818							
Total tetraCB	ND		0.451	J					
Total pentaCB	1.22			J					
Total hexaCB	1.50		3.13						
Total heptaCB	2.75		4.29						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-09	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	13.1 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:13	% Solids:	78.1	Date Analyzed :	11-Mar-14 08:27	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	98.6	5 -145		13C-PCB-170	111	10 -145	
13C-PCB-3	103	5 -145		13C-PCB-180	100	10 -145	
13C-PCB-4	67.6	5 -145		13C-PCB-188	78.7	10 -145	
13C-PCB-11	75.2	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	66.9	5 -145		13C-PCB-194	92.5	10 -145	
13C-PCB-19	87.8	5 -145		13C-PCB-202	79.1	10 -145	
13C-PCB-28	92.9	5 -145		13C-PCB-206	121	10 -145	
13C-PCB-32	87.3	5 -145		13C-PCB-208	104	10 -145	
13C-PCB-37	98.9	5 -145		13C-PCB-209	142	10 -145	
13C-PCB-47	83.4	5 -145		CRS 13C-PCB-79	109	10 -145	
13C-PCB-52	83.0	5 -145		13C-PCB-178	97.8	10 -145	
13C-PCB-54	72.1	5 -145					
13C-PCB-70	90.6	5 -145					
13C-PCB-77	108	10 -145					
13C-PCB-80	87.2	10 -145					
13C-PCB-81	104	10 -145					
13C-PCB-95	81.8	10 -145					
13C-PCB-97	91.3	10 -145					
13C-PCB-101	88.3	10 -145					
13C-PCB-104	79.9	10 -145					
13C-PCB-105	67.3	10 -145					
13C-PCB-114	66.2	10 -145					
13C-PCB-118	100	10 -145					
13C-PCB-123	106	10 -145					
13C-PCB-126	85.1	10 -145					
13C-PCB-127	71.3	10 -145					
13C-PCB-138	91.1	10 -145					
13C-PCB-141	91.0	10 -145					
13C-PCB-153	85.8	10 -145					
13C-PCB-155	74.1	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	106	10 -145					
13C-PCB-159	94.5	10 -145					
13C-PCB-167	98.4	10 -145					
13C-PCB-169	125	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10
Project:	Locher Road AR	Sample Size:	12.7 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 09:31 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.659			PCB-44	4.78			
PCB-2	ND	0.702			PCB-45	ND	0.862		
PCB-3	0.435			J	PCB-46	ND	0.954		
PCB-4/10	ND	2.06			PCB-47	3.94			
PCB-5/8	ND		0.881		PCB-48/75	ND	0.594		
PCB-6	ND	1.77			PCB-50	ND	0.789		
PCB-7/9	ND	1.75			PCB-51	ND	0.713		
PCB-11	2.40			J	PCB-52/69	6.66			
PCB-12/13	ND	1.86			PCB-53	ND	0.705		
PCB-14	ND	1.55			PCB-54	ND	0.594		
PCB-15	1.96			J	PCB-55	ND	0.526		
PCB-16/32	1.15			J	PCB-56/60	4.52			J
PCB-17	ND		0.648		PCB-57	ND	0.515		
PCB-18	1.53			J	PCB-58	ND	0.545		
PCB-19	ND	0.614			PCB-61/70	11.5			
PCB-20/21/33	1.49			J	PCB-62	ND	0.598		
PCB-22	1.44			J	PCB-63	ND	0.527		
PCB-23	ND	0.716			PCB-65	ND	0.595		
PCB-24/27	ND	0.426			PCB-67	ND	0.569		
PCB-25	ND	0.785			PCB-68	0.599			J
PCB-26	ND	0.819			PCB-73	ND	0.575		
PCB-28	3.38				PCB-74	1.98			J
PCB-29	ND	0.784			PCB-76/66	5.78			
PCB-30	ND	0.409			PCB-77	1.06			J
PCB-31	2.98				PCB-78	ND	0.517		
PCB-34	ND	0.797			PCB-79	0.433			J
PCB-35	ND	0.683			PCB-80	ND	0.470		
PCB-36	ND	0.671			PCB-81	ND	0.450		
PCB-37	2.47			J	PCB-82	4.50			
PCB-38	ND	0.640			PCB-83	ND	0.947		
PCB-39	ND	0.647			PCB-84/92	10.3			
PCB-40	ND	1.02			PCB-85/116	7.00			
PCB-41/64/71/72	2.93			J	PCB-86	ND	1.46		
PCB-42/59	1.52			J	PCB-87/117/125	10.2			
PCB-43/49	5.78				PCB-88/91	3.69			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.7 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	Date Analyzed :	11-Mar-14 09:31	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.44			PCB-136	3.21			
PCB-90/101	30.2				PCB-137	1.60			J
PCB-93	ND	1.45			PCB-138/163/164	35.6			
PCB-94	ND	1.46			PCB-139/149	26.3			
PCB-95/98/102	17.2				PCB-140	ND	1.53		
PCB-96	ND	1.07			PCB-141	5.25			
PCB-97	8.53				PCB-144	ND		1.39	
PCB-99	15.8				PCB-145	ND	0.994		
PCB-100	ND	1.16			PCB-146/165	3.85			J
PCB-103	ND	1.25			PCB-147	ND		0.835	
PCB-104	ND	0.909			PCB-148	ND	1.39		
PCB-105	10.7				PCB-150	ND	1.02		
PCB-106/118	33.8				PCB-151	5.38			
PCB-107/109	2.49			J	PCB-152	ND	0.998		
PCB-108/112	ND		1.02		PCB-153	28.6			
PCB-110	34.4				PCB-154	0.960			J
PCB-111/115	0.763			J	PCB-155	ND	0.951		
PCB-113	ND	1.02			PCB-156	3.97			
PCB-114	ND	0.968			PCB-157	1.14			J
PCB-119	0.759			J	PCB-158/160	4.06			J
PCB-120	ND	0.831			PCB-159	ND	0.577		
PCB-121	ND	0.981			PCB-166	ND	0.559		
PCB-122	ND	1.08			PCB-167	2.04			J
PCB-123	ND	0.915			PCB-168	ND	0.552		
PCB-124	ND		1.17		PCB-169	ND	0.491		
PCB-126	ND	0.927			PCB-170	8.08			
PCB-127	ND	1.03			PCB-171	1.72			J
PCB-128/162	7.15				PCB-172	1.31			J
PCB-129	1.69			J	PCB-173	ND	0.609		
PCB-130	2.62				PCB-174	6.00			
PCB-131	ND	0.856			PCB-175	ND	0.647		
PCB-132/161	7.17				PCB-176	0.720			J
PCB-133/142	0.971			J	PCB-177	3.68			
PCB-134/143	1.59			J	PCB-178	1.98			J
PCB-135	4.08				PCB-179	3.11			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10
Project:	Locher Road AR	Sample Size:	12.7 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 09:31
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	15.5			
PCB-181	ND	0.493		
PCB-182/187	11.7			
PCB-183	3.73			
PCB-184	ND	0.505		
PCB-185	0.828			J
PCB-186	ND	0.473		
PCB-188	ND	0.433		
PCB-189	0.340			J
PCB-190	1.60			J
PCB-191	ND	0.416		
PCB-192	ND	0.436		
PCB-193	1.02			J
PCB-194	4.77			
PCB-195	1.62			J
PCB-196/203	7.99			
PCB-197	ND	0.730		
PCB-198	ND	1.05		
PCB-199	7.67			
PCB-200	0.954			J
PCB-201	ND	0.714		
PCB-202	2.36			J
PCB-204	ND	0.769		
PCB-205	ND	0.640		
PCB-206	10.4			
PCB-207	1.17			J
PCB-208	4.28			
PCB-209	12.7			
Total monoCB	0.435			J
Total diCB	4.35		5.23	
Total triCB	14.4		15.1	
Total tetraCB	51.4			
Total pentaCB	190		192	
Total hexaCB	147		149	
Total heptaCB	61.4			

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Total octaCB	25.4			
Total nonaCB	15.9			
DecaCB	12.7			
Total PCB	523			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-10
Project:	Locher Road AR	Sample Size:	12.7 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:17	% Solids:	79.4	Date Received:	28-Feb-2014 11:53
				Date Analyzed :	11-Mar-14 09:31
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	91.1	5 -145		13C-PCB-170	110	10 -145	
13C-PCB-3	100	5 -145		13C-PCB-180	102	10 -145	
13C-PCB-4	67.3	5 -145		13C-PCB-188	75.7	10 -145	
13C-PCB-11	77.3	5 -145		13C-PCB-189	113	10 -145	
13C-PCB-9	66.6	5 -145		13C-PCB-194	99.5	10 -145	
13C-PCB-19	84.4	5 -145		13C-PCB-202	76.5	10 -145	
13C-PCB-28	95.5	5 -145		13C-PCB-206	120	10 -145	
13C-PCB-32	86.2	5 -145		13C-PCB-208	102	10 -145	
13C-PCB-37	114	5 -145		13C-PCB-209	138	10 -145	
13C-PCB-47	88.5	5 -145		CRS 13C-PCB-79	112	10 -145	
13C-PCB-52	86.6	5 -145		13C-PCB-178	93.3	10 -145	
13C-PCB-54	74.3	5 -145					
13C-PCB-70	94.5	5 -145					
13C-PCB-77	113	10 -145					
13C-PCB-80	93.7	10 -145					
13C-PCB-81	109	10 -145					
13C-PCB-95	84.9	10 -145					
13C-PCB-97	94.5	10 -145					
13C-PCB-101	92.8	10 -145					
13C-PCB-104	85.0	10 -145					
13C-PCB-105	67.8	10 -145					
13C-PCB-114	69.7	10 -145					
13C-PCB-118	104	10 -145					
13C-PCB-123	108	10 -145					
13C-PCB-126	88.6	10 -145					
13C-PCB-127	75.2	10 -145					
13C-PCB-138	91.7	10 -145					
13C-PCB-141	91.6	10 -145					
13C-PCB-153	85.1	10 -145					
13C-PCB-155	75.0	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	107	10 -145					
13C-PCB-159	95.1	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	126	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11
Project:	Locher Road AR	Sample Size:	11.8 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 21:33 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.19			PCB-44	2.78			
PCB-2	ND	1.33			PCB-45	ND	0.576		
PCB-3	ND	1.30			PCB-46	ND	0.638		
PCB-4/10	ND	4.72			PCB-47	ND	0.529		
PCB-5/8	ND	4.20			PCB-48/75	ND	0.428		
PCB-6	ND	4.22			PCB-50	ND	0.588		
PCB-7/9	ND	4.17			PCB-51	ND	0.477		
PCB-11	ND	4.02			PCB-52/69	4.33			J
PCB-12/13	ND	4.27			PCB-53	ND	0.471		
PCB-14	ND	3.57			PCB-54	ND	0.442		
PCB-15	ND	4.17			PCB-55	ND	0.363		
PCB-16/32	ND	0.360			PCB-56/60	2.52			J
PCB-17	ND	0.414			PCB-57	ND	0.344		
PCB-18	ND	0.446			PCB-58	ND	0.363		
PCB-19	ND	0.470			PCB-61/70	5.60			
PCB-20/21/33	1.52			J	PCB-62	ND	0.431		
PCB-22	0.861			J	PCB-63	ND	0.352		
PCB-23	ND	0.309			PCB-65	ND	0.429		
PCB-24/27	ND	0.312			PCB-67	ND	0.380		
PCB-25	ND	0.339			PCB-68	ND	0.387		
PCB-26	ND	0.353			PCB-73	ND	0.385		
PCB-28	1.97			J	PCB-74	0.937			J
PCB-29	ND	0.338			PCB-76/66	2.47			J
PCB-30	ND	0.313			PCB-77	0.670			J
PCB-31	ND		2.26		PCB-78	ND	0.413		
PCB-34	ND	0.344			PCB-79	ND	0.388		
PCB-35	ND	0.356			PCB-80	ND	0.325		
PCB-36	ND	0.350			PCB-81	ND	0.359		
PCB-37	1.94			J	PCB-82	ND	1.20		
PCB-38	ND	0.334			PCB-83	ND	0.725		
PCB-39	ND	0.337			PCB-84/92	4.58			J
PCB-40	ND	0.734			PCB-85/116	3.59			J
PCB-41/64/71/72	2.36			J	PCB-86	ND	1.12		
PCB-42/59	0.902			J	PCB-87/117/125	4.71			J
PCB-43/49	3.80			J	PCB-88/91	1.95			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.8 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	Date Analyzed :	11-Mar-14 21:33	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.09			PCB-136	2.03			J
PCB-90/101	15.4				PCB-137	ND		1.77	
PCB-93	ND	0.941			PCB-138/163/164	30.5			
PCB-94	ND	0.949			PCB-139/149	15.6			
PCB-95/98/102	8.34				PCB-140	ND	1.16		
PCB-96	ND	0.778			PCB-141	4.23			
PCB-97	3.68				PCB-144	ND	1.09		
PCB-99	8.23				PCB-145	ND	0.752		
PCB-100	ND	0.841			PCB-146/165	3.55			J
PCB-103	ND	0.903			PCB-147	ND	1.06		
PCB-104	ND	0.660			PCB-148	ND	1.05		
PCB-105	6.67				PCB-150	ND	0.773		
PCB-106/118	15.8				PCB-151	4.20			
PCB-107/109	1.61			J	PCB-152	ND	0.755		
PCB-108/112	ND	0.874			PCB-153	26.3			
PCB-110	19.4				PCB-154	ND	0.980		
PCB-111/115	ND	0.652			PCB-155	ND	0.720		
PCB-113	ND	0.772			PCB-156	2.99			
PCB-114	ND	0.544			PCB-157	0.819			J
PCB-119	ND	0.650			PCB-158/160	3.30			J
PCB-120	ND	0.636			PCB-159	ND	0.488		
PCB-121	ND	0.637			PCB-166	ND	0.473		
PCB-122	ND	0.604			PCB-167	1.63			J
PCB-123	ND	0.748			PCB-168	ND	0.428		
PCB-124	ND	0.667			PCB-169	ND	0.557		
PCB-126	ND	0.693			PCB-170	6.99			
PCB-127	ND	0.658			PCB-171	1.81			J
PCB-128/162	5.56				PCB-172	2.07			J
PCB-129	1.25			J	PCB-173	ND	0.588		
PCB-130	2.61				PCB-174	7.25			
PCB-131	ND	0.664			PCB-175	ND	0.512		
PCB-132/161	4.93			J	PCB-176	ND	0.373		
PCB-133/142	0.904			J	PCB-177	5.17			
PCB-134/143	1.09			J	PCB-178	2.64			
PCB-135	2.07			J	PCB-179	3.71			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11
Project:	Locher Road AR	Sample Size:	11.8 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 21:33 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	18.6				Total octaCB	36.0			
PCB-181	ND	0.476			Total nonaCB	15.7			
PCB-182/187	15.1				DecaCB	14.1			
PCB-183	4.25				Total PCB	377			
PCB-184	ND	0.400							
PCB-185	1.18			J					
PCB-186	ND	0.374							
PCB-188	ND	0.343							
PCB-189	ND	0.364							
PCB-190	1.61			J					
PCB-191	ND	0.403							
PCB-192	ND	0.421							
PCB-193	1.09			J					
PCB-194	6.31								
PCB-195	2.31			J					
PCB-196/203	10.8								
PCB-197	ND	0.671							
PCB-198	ND	0.962							
PCB-199	10.6								
PCB-200	1.12			J					
PCB-201	1.65			J					
PCB-202	3.22								
PCB-204	ND	0.707							
PCB-205	ND	0.509							
PCB-206	10.5								
PCB-207	1.32			J					
PCB-208	3.88								
PCB-209	14.1								
Total monoCB	ND	1.33							
Total diCB	ND	4.72							
Total triCB	6.29		8.55						
Total tetraCB	26.4								
Total pentaCB	94.0								
Total hexaCB	114		115						
Total heptaCB	71.5								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-11	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	11.8 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:20	% Solids:	85.5	Date Analyzed :	11-Mar-14 21:33	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	75.7	5 -145		13C-PCB-170	92.9	10 -145	
13C-PCB-3	84.7	5 -145		13C-PCB-180	85.2	10 -145	
13C-PCB-4	69.8	5 -145		13C-PCB-188	73.8	10 -145	
13C-PCB-11	81.4	5 -145		13C-PCB-189	88.6	10 -145	
13C-PCB-9	70.0	5 -145		13C-PCB-194	98.3	10 -145	
13C-PCB-19	86.6	5 -145		13C-PCB-202	69.8	10 -145	
13C-PCB-28	91.5	5 -145		13C-PCB-206	92.3	10 -145	
13C-PCB-32	86.3	5 -145		13C-PCB-208	81.6	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	83.8	10 -145	
13C-PCB-47	87.2	5 -145		CRS 13C-PCB-79	109	10 -145	
13C-PCB-52	87.7	5 -145		13C-PCB-178	87.8	10 -145	
13C-PCB-54	76.3	5 -145					
13C-PCB-70	96.5	5 -145					
13C-PCB-77	100	10 -145					
13C-PCB-80	93.7	10 -145					
13C-PCB-81	97.9	10 -145					
13C-PCB-95	93.8	10 -145					
13C-PCB-97	100	10 -145					
13C-PCB-101	99.4	10 -145					
13C-PCB-104	93.0	10 -145					
13C-PCB-105	105	10 -145					
13C-PCB-114	105	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	106	10 -145					
13C-PCB-127	106	10 -145					
13C-PCB-138	96.6	10 -145					
13C-PCB-141	97.1	10 -145					
13C-PCB-153	93.7	10 -145					
13C-PCB-155	79.8	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	96.7	10 -145					
13C-PCB-159	96.1	10 -145					
13C-PCB-167	99.3	10 -145					
13C-PCB-169	109	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 22:37 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-44	ND	0.498		
PCB-2	ND	1.15			PCB-45	ND	0.467		
PCB-3	ND	1.13			PCB-46	ND	0.517		
PCB-4/10	ND	4.79			PCB-47	ND	0.420		
PCB-5/8	ND	4.20			PCB-48/75	ND	0.340		
PCB-6	ND	4.22			PCB-50	ND	0.453		
PCB-7/9	ND	4.17			PCB-51	ND	0.386		
PCB-11	ND	4.11			PCB-52/69	ND	0.353		
PCB-12/13	ND	4.36			PCB-53	ND	0.382		
PCB-14	ND	3.65			PCB-54	ND	0.341		
PCB-15	ND	4.26			PCB-55	ND	0.281		
PCB-16/32	ND	0.340			PCB-56/60	ND		0.582	
PCB-17	ND	0.391			PCB-57	ND	0.286		
PCB-18	ND	0.421			PCB-58	ND	0.302		
PCB-19	ND	0.424			PCB-61/70	0.939			J
PCB-20/21/33	ND	0.350			PCB-62	ND	0.342		
PCB-22	ND	0.332			PCB-63	ND	0.292		
PCB-23	ND	0.326			PCB-65	ND	0.341		
PCB-24/27	ND	0.295			PCB-67	ND	0.316		
PCB-25	ND	0.357			PCB-68	ND	0.308		
PCB-26	ND	0.373			PCB-73	ND	0.312		
PCB-28	ND	0.313			PCB-74	ND	0.266		
PCB-29	ND	0.356			PCB-76/66	0.553			J
PCB-30	ND	0.282			PCB-77	ND	0.315		
PCB-31	ND	0.378			PCB-78	ND	0.335		
PCB-34	ND	0.363			PCB-79	ND	0.300		
PCB-35	ND	0.327			PCB-80	ND	0.251		
PCB-36	ND	0.321			PCB-81	ND	0.292		
PCB-37	ND		0.612		PCB-82	ND	1.06		
PCB-38	ND	0.306			PCB-83	ND	0.702		
PCB-39	ND	0.309			PCB-84/92	ND	0.899		
PCB-40	ND	0.583			PCB-85/116	ND	0.816		
PCB-41/64/71/72	ND	0.343			PCB-86	ND	1.08		
PCB-42/59	ND	0.373			PCB-87/117/125	ND	0.711		
PCB-43/49	ND	0.416			PCB-88/91	ND	0.973		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 22:37
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.925			PCB-136	ND	0.742		
PCB-90/101	1.07			J	PCB-137	ND	0.433		
PCB-93	ND	0.949			PCB-138/163/164	2.61			J
PCB-94	ND	0.957			PCB-139/149	ND		1.36	
PCB-95/98/102	ND	0.892			PCB-140	ND	1.04		
PCB-96	ND	0.710			PCB-141	ND	0.465		
PCB-97	ND	0.875			PCB-144	ND	0.974		
PCB-99	ND	0.749			PCB-145	ND	0.672		
PCB-100	ND	0.767			PCB-146/165	ND	0.402		
PCB-103	ND	0.824			PCB-147	ND	0.947		
PCB-104	ND	0.602			PCB-148	ND	0.942		
PCB-105	0.818			J	PCB-150	ND	0.690		
PCB-106/118	ND		1.30		PCB-151	ND	1.01		
PCB-107/109	ND	0.614			PCB-152	ND	0.675		
PCB-108/112	ND	0.846			PCB-153	2.03			J
PCB-110	1.30			J	PCB-154	ND	0.876		
PCB-111/115	ND	0.630			PCB-155	ND	0.643		
PCB-113	ND	0.658			PCB-156	ND	0.343		
PCB-114	ND	0.393			PCB-157	ND	0.380		
PCB-119	ND	0.629			PCB-158/160	ND	0.362		
PCB-120	ND	0.616			PCB-159	ND	0.387		
PCB-121	ND	0.642			PCB-166	ND	0.375		
PCB-122	ND	0.437			PCB-167	ND	0.367		
PCB-123	ND	0.658			PCB-168	ND	0.354		
PCB-124	ND	0.587			PCB-169	ND	0.418		
PCB-126	ND	0.492			PCB-170	0.814			J
PCB-127	ND	0.423			PCB-171	ND	0.462		
PCB-128/162	ND	0.426			PCB-172	ND	0.516		
PCB-129	ND	0.533			PCB-173	ND	0.551		
PCB-130	ND	0.505			PCB-174	ND	0.459		
PCB-131	ND	0.549			PCB-175	ND	0.522		
PCB-132/161	ND	0.425			PCB-176	ND	0.380		
PCB-133/142	ND	0.524			PCB-177	ND	0.495		
PCB-134/143	ND	0.516			PCB-178	ND	0.553		
PCB-135	ND	1.04			PCB-179	ND	0.393		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	Date Received:	28-Feb-2014 11:53
				Date Analyzed:	11-Mar-14 22:37
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND		1.13		Total octaCB	1.21		2.90	
PCB-181	ND	0.446			Total nonaCB	ND		0.964	J
PCB-182/187	1.26			J	DecaCB	ND	1.90		
PCB-183	ND	0.471			Total PCB	12.6			
PCB-184	ND	0.408							
PCB-185	ND	0.460							
PCB-186	ND	0.381							
PCB-188	ND	0.350							
PCB-189	ND	0.334							
PCB-190	ND	0.314							
PCB-191	ND	0.377							
PCB-192	ND	0.394							
PCB-193	ND	0.367							
PCB-194	ND		0.699						
PCB-195	ND	0.403							
PCB-196/203	ND		0.995						
PCB-197	ND	0.558							
PCB-198	ND	0.801							
PCB-199	1.21			J					
PCB-200	ND	0.578							
PCB-201	ND	0.546							
PCB-202	ND	0.554							
PCB-204	ND	0.588							
PCB-205	ND	0.334							
PCB-206	ND		0.562						
PCB-207	ND	0.293							
PCB-208	ND		0.401						
PCB-209	ND	1.90							
Total monoCB	ND	1.15							
Total diCB	ND	4.79							
Total triCB	ND		0.612	J					
Total tetraCB	1.49		2.07	J					
Total pentaCB	3.18		4.49						
Total hexaCB	4.64		6.00						
Total heptaCB	2.08		3.20						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-12
Project:	Locher Road AR	Sample Size:	12.2 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:27	% Solids:	83.0	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 22:37
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	71.4	5 -145		13C-PCB-170	92.7	10 -145	
13C-PCB-3	82.1	5 -145		13C-PCB-180	86.8	10 -145	
13C-PCB-4	66.8	5 -145		13C-PCB-188	72.4	10 -145	
13C-PCB-11	77.1	5 -145		13C-PCB-189	89.7	10 -145	
13C-PCB-9	66.2	5 -145		13C-PCB-194	97.7	10 -145	
13C-PCB-19	80.5	5 -145		13C-PCB-202	69.3	10 -145	
13C-PCB-28	90.8	5 -145		13C-PCB-206	94.8	10 -145	
13C-PCB-32	81.9	5 -145		13C-PCB-208	82.2	10 -145	
13C-PCB-37	103	5 -145		13C-PCB-209	88.0	10 -145	
13C-PCB-47	82.2	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	83.5	5 -145		13C-PCB-178	88.4	10 -145	
13C-PCB-54	72.1	5 -145					
13C-PCB-70	91.4	5 -145					
13C-PCB-77	94.7	10 -145					
13C-PCB-80	90.9	10 -145					
13C-PCB-81	94.6	10 -145					
13C-PCB-95	92.1	10 -145					
13C-PCB-97	96.4	10 -145					
13C-PCB-101	96.9	10 -145					
13C-PCB-104	90.4	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	99.6	10 -145					
13C-PCB-123	106	10 -145					
13C-PCB-126	108	10 -145					
13C-PCB-127	107	10 -145					
13C-PCB-138	94.9	10 -145					
13C-PCB-141	101	10 -145					
13C-PCB-153	94.3	10 -145					
13C-PCB-155	77.3	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	95.4	10 -145					
13C-PCB-159	99.2	10 -145					
13C-PCB-167	98.2	10 -145					
13C-PCB-169	107	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.8 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	Date Analyzed :	11-Mar-14 23:41	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.09			PCB-44	ND	0.451		
PCB-2	ND	1.24			PCB-45	ND	0.470		
PCB-3	ND	1.21			PCB-46	ND	0.520		
PCB-4/10	ND	4.19			PCB-47	ND	0.381		
PCB-5/8	ND	3.58			PCB-48/75	ND	0.308		
PCB-6	ND	3.60			PCB-50	ND	0.477		
PCB-7/9	ND	3.56			PCB-51	ND	0.388		
PCB-11	ND	3.52			PCB-52/69	ND	0.356		
PCB-12/13	ND	3.73			PCB-53	ND	0.384		
PCB-14	ND	3.12			PCB-54	ND	0.359		
PCB-15	ND	3.64			PCB-55	ND	0.283		
PCB-16/32	ND	0.310			PCB-56/60	0.465			J
PCB-17	ND	0.357			PCB-57	ND	0.271		
PCB-18	ND	0.384			PCB-58	ND	0.287		
PCB-19	ND	0.379			PCB-61/70	0.872			J
PCB-20/21/33	ND	0.342			PCB-62	ND	0.310		
PCB-22	ND	0.325			PCB-63	ND	0.277		
PCB-23	ND	0.319			PCB-65	ND	0.308		
PCB-24/27	ND	0.269			PCB-67	ND	0.300		
PCB-25	ND	0.350			PCB-68	ND	0.279		
PCB-26	ND	0.365			PCB-73	ND	0.314		
PCB-28	ND	0.307			PCB-74	ND	0.252		
PCB-29	ND	0.349			PCB-76/66	ND	0.266		
PCB-30	ND	0.252			PCB-77	ND	0.326		
PCB-31	ND	0.370			PCB-78	ND	0.314		
PCB-34	ND	0.355			PCB-79	ND	0.301		
PCB-35	ND	0.347			PCB-80	ND	0.252		
PCB-36	ND	0.341			PCB-81	ND	0.274		
PCB-37	ND	0.370			PCB-82	ND	1.17		
PCB-38	ND	0.326			PCB-83	ND	0.762		
PCB-39	ND	0.329			PCB-84/92	ND	0.978		
PCB-40	ND	0.528			PCB-85/116	ND	0.886		
PCB-41/64/71/72	ND	0.310			PCB-86	ND	1.18		
PCB-42/59	ND	0.337			PCB-87/117/125	ND	0.771		
PCB-43/49	ND	0.419			PCB-88/91	ND	0.966		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13
Project:	Locher Road AR	Sample Size:	12.8 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	Date Analyzed :	11-Mar-14 23:41
				Date Received:	28-Feb-2014 11:53
				Date Extracted:	06-Mar-2014 11:38
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.01			PCB-136	ND	0.719		
PCB-90/101	ND		0.755		PCB-137	ND	0.463		
PCB-93	ND	0.942			PCB-138/163/164	1.73			J
PCB-94	ND	0.950			PCB-139/149	ND	0.878		
PCB-95/98/102	ND	0.885			PCB-140	ND	1.00		
PCB-96	ND	0.843			PCB-141	ND	0.497		
PCB-97	ND	0.950			PCB-144	ND	0.944		
PCB-99	ND	0.815			PCB-145	ND	0.651		
PCB-100	ND	0.911			PCB-146/165	ND	0.394		
PCB-103	ND	0.978			PCB-147	ND	0.918		
PCB-104	ND	0.714			PCB-148	ND	0.912		
PCB-105	0.769			J	PCB-150	ND	0.668		
PCB-106/118	ND		1.40		PCB-151	ND	0.979		
PCB-107/109	ND	0.682			PCB-152	ND	0.653		
PCB-108/112	ND	0.918			PCB-153	1.14			J
PCB-110	0.934			J	PCB-154	ND	0.848		
PCB-111/115	ND	0.684			PCB-155	ND	0.623		
PCB-113	ND	0.716			PCB-156	ND	0.382		
PCB-114	ND	0.417			PCB-157	ND	0.413		
PCB-119	ND	0.682			PCB-158/160	ND	0.387		
PCB-120	ND	0.668			PCB-159	ND	0.395		
PCB-121	ND	0.637			PCB-166	ND	0.383		
PCB-122	ND	0.464			PCB-167	ND	0.380		
PCB-123	ND	0.732			PCB-168	ND	0.347		
PCB-124	ND	0.652			PCB-169	ND	0.419		
PCB-126	ND	0.515			PCB-170	ND	0.448		
PCB-127	ND	0.462			PCB-171	ND	0.468		
PCB-128/162	ND	0.435			PCB-172	ND	0.523		
PCB-129	ND	0.569			PCB-173	ND	0.558		
PCB-130	ND	0.540			PCB-174	ND	0.465		
PCB-131	ND	0.539			PCB-175	ND	0.486		
PCB-132/161	ND	0.417			PCB-176	ND	0.354		
PCB-133/142	ND	0.515			PCB-177	ND	0.502		
PCB-134/143	ND	0.507			PCB-178	ND	0.515		
PCB-135	ND	1.01			PCB-179	ND	0.365		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13
Project:	Locher Road AR	Sample Size:	12.8 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	QC Batch:	B4C0024
				Date Analyzed :	11-Mar-14 23:41 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND		0.506		Total octaCB	ND	0.847		
PCB-181	ND	0.452			Total nonaCB	ND	0.665		
PCB-182/187	ND	0.451			DecaCB	ND	0.904		
PCB-183	ND	0.439			Total PCB	5.91			
PCB-184	ND	0.380							
PCB-185	ND	0.467							
PCB-186	ND	0.355							
PCB-188	ND	0.325							
PCB-189	ND	0.338							
PCB-190	ND	0.320							
PCB-191	ND	0.382							
PCB-192	ND	0.400							
PCB-193	ND	0.372							
PCB-194	ND	0.440							
PCB-195	ND	0.442							
PCB-196/203	ND	0.755							
PCB-197	ND	0.591							
PCB-198	ND	0.847							
PCB-199	ND	0.788							
PCB-200	ND	0.612							
PCB-201	ND	0.578							
PCB-202	ND	0.587							
PCB-204	ND	0.622							
PCB-205	ND	0.366							
PCB-206	ND	0.665							
PCB-207	ND	0.319							
PCB-208	ND	0.308							
PCB-209	ND	0.904							
Total monoCB	ND	1.24							
Total diCB	ND	4.19							
Total triCB	ND	0.384							
Total tetraCB	1.34			J					
Total pentaCB	1.70		3.86						
Total hexaCB	2.87								
Total heptaCB	ND		0.506	J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-13	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.8 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:30	% Solids:	78.5	Date Analyzed :	11-Mar-14 23:41	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	74.5	5 -145		13C-PCB-170	92.1	10 -145	
13C-PCB-3	81.5	5 -145		13C-PCB-180	85.8	10 -145	
13C-PCB-4	67.5	5 -145		13C-PCB-188	74.4	10 -145	
13C-PCB-11	78.7	5 -145		13C-PCB-189	86.7	10 -145	
13C-PCB-9	67.9	5 -145		13C-PCB-194	96.6	10 -145	
13C-PCB-19	86.2	5 -145		13C-PCB-202	69.6	10 -145	
13C-PCB-28	85.0	5 -145		13C-PCB-206	92.8	10 -145	
13C-PCB-32	85.1	5 -145		13C-PCB-208	81.0	10 -145	
13C-PCB-37	97.1	5 -145		13C-PCB-209	87.1	10 -145	
13C-PCB-47	81.1	5 -145		CRS 13C-PCB-79	99.4	10 -145	
13C-PCB-52	81.0	5 -145		13C-PCB-178	84.6	10 -145	
13C-PCB-54	70.7	5 -145					
13C-PCB-70	91.0	5 -145					
13C-PCB-77	93.0	10 -145					
13C-PCB-80	90.4	10 -145					
13C-PCB-81	93.7	10 -145					
13C-PCB-95	91.5	10 -145					
13C-PCB-97	94.7	10 -145					
13C-PCB-101	94.4	10 -145					
13C-PCB-104	87.2	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	98.0	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	104	10 -145					
13C-PCB-127	105	10 -145					
13C-PCB-138	94.4	10 -145					
13C-PCB-141	96.8	10 -145					
13C-PCB-153	93.8	10 -145					
13C-PCB-155	78.5	10 -145					
13C-PCB-156	99.4	10 -145					
13C-PCB-157	96.4	10 -145					
13C-PCB-159	96.5	10 -145					
13C-PCB-167	98.5	10 -145					
13C-PCB-169	105	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.02			PCB-44	ND	0.529		
PCB-2	ND	1.14			PCB-45	ND	0.500		
PCB-3	ND	1.12			PCB-46	ND	0.553		
PCB-4/10	ND	2.30			PCB-47	ND	0.447		
PCB-5/8	ND	2.02			PCB-48/75	ND	0.361		
PCB-6	ND	2.03			PCB-50	ND	0.476		
PCB-7/9	ND	2.00			PCB-51	ND	0.413		
PCB-11	ND	1.96			PCB-52/69	ND	0.378		
PCB-12/13	ND	2.08			PCB-53	ND	0.409		
PCB-14	ND	1.74			PCB-54	ND	0.358		
PCB-15	ND	2.03			PCB-55	ND	0.324		
PCB-16/32	ND	0.314			PCB-56/60	ND	0.344		
PCB-17	ND	0.361			PCB-57	ND	0.312		
PCB-18	ND	0.389			PCB-58	ND	0.329		
PCB-19	ND	0.412			PCB-61/70	0.806			J
PCB-20/21/33	ND	0.302			PCB-62	ND	0.364		
PCB-22	ND	0.287			PCB-63	ND	0.319		
PCB-23	ND	0.281			PCB-65	ND	0.362		
PCB-24/27	ND	0.272			PCB-67	ND	0.344		
PCB-25	ND	0.309			PCB-68	ND	0.327		
PCB-26	ND	0.322			PCB-73	ND	0.334		
PCB-28	ND	0.270			PCB-74	ND	0.290		
PCB-29	ND	0.308			PCB-76/66	ND	0.306		
PCB-30	ND	0.274			PCB-77	ND	0.351		
PCB-31	ND	0.327			PCB-78	ND	0.343		
PCB-34	ND	0.313			PCB-79	ND	0.346		
PCB-35	ND	0.315			PCB-80	ND	0.290		
PCB-36	ND	0.309			PCB-81	ND	0.299		
PCB-37	ND	0.336			PCB-82	ND	1.03		
PCB-38	ND	0.295			PCB-83	ND	0.657		
PCB-39	ND	0.298			PCB-84/92	ND	0.946		
PCB-40	ND	0.620			PCB-85/116	ND	0.763		
PCB-41/64/71/72	0.386			J	PCB-86	ND	1.01		
PCB-42/59	ND	0.396			PCB-87/117/125	ND	0.665		
PCB-43/49	ND	0.445			PCB-88/91	ND	0.925		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.973			PCB-136	ND	0.771		
PCB-90/101	ND		0.900		PCB-137	ND	0.486		
PCB-93	ND	0.902			PCB-138/163/164	ND		1.26	
PCB-94	ND	0.910			PCB-139/149	ND	0.941		
PCB-95/98/102	ND	0.848			PCB-140	ND	1.08		
PCB-96	ND	0.702			PCB-141	ND	0.522		
PCB-97	ND	0.818			PCB-144	ND	1.01		
PCB-99	ND	0.788			PCB-145	ND	0.698		
PCB-100	ND	0.759			PCB-146/165	ND	0.386		
PCB-103	ND	0.815			PCB-147	ND	0.984		
PCB-104	ND	0.595			PCB-148	ND	0.978		
PCB-105	0.572			J	PCB-150	ND	0.717		
PCB-106/118	1.26			J	PCB-151	ND	1.05		
PCB-107/109	ND	0.595			PCB-152	ND	0.701		
PCB-108/112	ND	0.791			PCB-153	ND		1.02	
PCB-110	ND		1.19		PCB-154	ND	0.910		
PCB-111/115	ND	0.590			PCB-155	ND	0.668		
PCB-113	ND	0.693			PCB-156	ND	0.390		
PCB-114	ND	0.473			PCB-157	ND	0.416		
PCB-119	ND	0.588			PCB-158/160	ND	0.377		
PCB-120	ND	0.576			PCB-159	ND	0.408		
PCB-121	ND	0.611			PCB-166	ND	0.396		
PCB-122	ND	0.526			PCB-167	ND	0.392		
PCB-123	ND	0.639			PCB-168	ND	0.340		
PCB-124	ND	0.569			PCB-169	ND	0.467		
PCB-126	ND	0.598			PCB-170	ND	0.496		
PCB-127	ND	0.553			PCB-171	ND	0.465		
PCB-128/162	ND	0.449			PCB-172	ND	0.519		
PCB-129	ND	0.555			PCB-173	ND	0.554		
PCB-130	ND	0.567			PCB-174	ND	0.462		
PCB-131	ND	0.528			PCB-175	ND	0.485		
PCB-132/161	ND	0.409			PCB-176	ND	0.353		
PCB-133/142	ND	0.504			PCB-177	ND	0.499		
PCB-134/143	ND	0.497			PCB-178	ND	0.514		
PCB-135	ND	1.08			PCB-179	ND	0.365		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	QC Batch:	B4C0024
				Date Analyzed :	12-Mar-14 00:46 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.455			Total octaCB	ND	0.935		
PCB-181	ND	0.449			Total nonaCB	ND	0.709		
PCB-182/187	ND	0.450			DecaCB	ND	1.33		
PCB-183	ND	0.438			Total PCB	3.03			
PCB-184	ND	0.379							
PCB-185	ND	0.464							
PCB-186	ND	0.355							
PCB-188	ND	0.325							
PCB-189	ND	0.386							
PCB-190	ND	0.355							
PCB-191	ND	0.379							
PCB-192	ND	0.397							
PCB-193	ND	0.370							
PCB-194	ND	0.468							
PCB-195	ND	0.469							
PCB-196/203	ND	0.834							
PCB-197	ND	0.652							
PCB-198	ND	0.935							
PCB-199	ND	0.870							
PCB-200	ND	0.676							
PCB-201	ND	0.638							
PCB-202	ND	0.648							
PCB-204	ND	0.687							
PCB-205	ND	0.389							
PCB-206	ND	0.709							
PCB-207	ND	0.333							
PCB-208	ND	0.322							
PCB-209	ND	1.33							
Total monoCB	ND	1.14							
Total diCB	ND	2.30							
Total triCB	ND	0.412							
Total tetraCB	1.19			J					
Total pentaCB	1.83		3.93						
Total hexaCB	ND		2.28	J					
Total heptaCB	ND	0.554							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-14
Project:	Locher Road AR	Sample Size:	11.9 g	QC Batch:	B4C0024
Date Collected:	27-Feb-2014 8:37	% Solids:	86.5	Date Received:	28-Feb-2014 11:53
				Date Analyzed :	12-Mar-14 00:46
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.6	5 -145		13C-PCB-170	90.6	10 -145	
13C-PCB-3	80.3	5 -145		13C-PCB-180	84.0	10 -145	
13C-PCB-4	67.9	5 -145		13C-PCB-188	75.1	10 -145	
13C-PCB-11	78.2	5 -145		13C-PCB-189	84.6	10 -145	
13C-PCB-9	67.8	5 -145		13C-PCB-194	95.3	10 -145	
13C-PCB-19	83.3	5 -145		13C-PCB-202	69.2	10 -145	
13C-PCB-28	78.3	5 -145		13C-PCB-206	90.6	10 -145	
13C-PCB-32	85.1	5 -145		13C-PCB-208	80.3	10 -145	
13C-PCB-37	89.5	5 -145		13C-PCB-209	88.8	10 -145	
13C-PCB-47	83.9	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	84.4	5 -145		13C-PCB-178	84.5	10 -145	
13C-PCB-54	75.8	5 -145					
13C-PCB-70	90.5	5 -145					
13C-PCB-77	95.4	10 -145					
13C-PCB-80	88.5	10 -145					
13C-PCB-81	95.5	10 -145					
13C-PCB-95	88.0	10 -145					
13C-PCB-97	91.9	10 -145					
13C-PCB-101	93.0	10 -145					
13C-PCB-104	88.7	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	95.5	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	99.1	10 -145					
13C-PCB-127	105	10 -145					
13C-PCB-138	94.6	10 -145					
13C-PCB-141	95.5	10 -145					
13C-PCB-153	95.9	10 -145					
13C-PCB-155	74.4	10 -145					
13C-PCB-156	98.9	10 -145					
13C-PCB-157	94.4	10 -145					
13C-PCB-159	93.6	10 -145					
13C-PCB-167	96.3	10 -145					
13C-PCB-169	104	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.93			PCB-44	ND	0.406		
PCB-2	ND	1.96			PCB-45	ND	0.395		
PCB-3	ND	1.92			PCB-46	ND	0.437		
PCB-4/10	ND	2.98			PCB-47	ND	0.343		
PCB-5/8	ND	2.45			PCB-48/75	ND	0.278		
PCB-6	ND	2.46			PCB-50	ND	0.372		
PCB-7/9	ND	2.43			PCB-51	ND	0.327		
PCB-11	ND	2.35			PCB-52/69	ND		0.575	
PCB-12/13	ND	2.49			PCB-53	ND	0.323		
PCB-14	ND	2.08			PCB-54	ND	0.280		
PCB-15	ND	2.43			PCB-55	ND	0.235		
PCB-16/32	ND	0.267			PCB-56/60	0.576			J
PCB-17	ND	0.308			PCB-57	ND	0.216		
PCB-18	ND	0.331			PCB-58	ND	0.228		
PCB-19	ND	0.365			PCB-61/70	0.929			J
PCB-20/21/33	ND	0.300			PCB-62	ND	0.280		
PCB-22	ND	0.285			PCB-63	ND	0.220		
PCB-23	ND	0.280			PCB-65	ND	0.278		
PCB-24/27	ND	0.232			PCB-67	ND	0.238		
PCB-25	ND	0.307			PCB-68	ND	0.251		
PCB-26	ND	0.320			PCB-73	ND	0.264		
PCB-28	ND	0.269			PCB-74	ND		0.269	
PCB-29	ND	0.306			PCB-76/66	0.709			J
PCB-30	ND	0.243			PCB-77	ND	0.197		
PCB-31	ND	0.324			PCB-78	ND	0.219		
PCB-34	ND	0.311			PCB-79	ND	0.250		
PCB-35	ND	0.271			PCB-80	ND	0.210		
PCB-36	ND	0.266			PCB-81	ND	0.190		
PCB-37	ND	0.289			PCB-82	ND	0.497		
PCB-38	ND	0.254			PCB-83	ND	0.339		
PCB-39	ND	0.256			PCB-84/92	ND	0.463		
PCB-40	ND	0.476			PCB-85/116	ND	0.394		
PCB-41/64/71/72	0.855			J	PCB-86	ND	0.523		
PCB-42/59	ND	0.304			PCB-87/117/125	ND	0.343		
PCB-43/49	ND	0.352			PCB-88/91	ND	0.495		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.476			PCB-136	ND	0.399		
PCB-90/101	ND		0.980		PCB-137	ND	0.254		
PCB-93	ND	0.483			PCB-138/163/164	1.63			J
PCB-94	ND	0.487			PCB-139/149	1.28			J
PCB-95/98/102	0.735			J	PCB-140	ND	0.556		
PCB-96	ND	0.373			PCB-141	ND	0.273		
PCB-97	ND	0.423			PCB-144	ND	0.523		
PCB-99	0.691			J	PCB-145	ND	0.361		
PCB-100	ND	0.403			PCB-146/165	ND	0.235		
PCB-103	ND	0.433			PCB-147	ND	0.509		
PCB-104	ND	0.316			PCB-148	ND	0.506		
PCB-105	0.522			J	PCB-150	ND	0.371		
PCB-106/118	1.06			J	PCB-151	ND	0.543		
PCB-107/109	ND	0.288			PCB-152	ND	0.362		
PCB-108/112	ND	0.409			PCB-153	1.25			J
PCB-110	1.25			J	PCB-154	ND	0.470		
PCB-111/115	ND	0.304			PCB-155	ND	0.345		
PCB-113	ND	0.339			PCB-156	ND	0.204		
PCB-114	ND	0.220			PCB-157	ND	0.216		
PCB-119	ND	0.304			PCB-158/160	ND	0.215		
PCB-120	ND	0.297			PCB-159	ND	0.222		
PCB-121	ND	0.327			PCB-166	ND	0.215		
PCB-122	ND	0.245			PCB-167	ND	0.198		
PCB-123	ND	0.309			PCB-168	ND	0.207		
PCB-124	ND	0.276			PCB-169	ND	0.231		
PCB-126	ND	0.238			PCB-170	0.558			J
PCB-127	ND	0.243			PCB-171	ND	0.201		
PCB-128/162	0.396			J	PCB-172	ND	0.224		
PCB-129	ND	0.317			PCB-173	ND	0.240		
PCB-130	ND	0.296			PCB-174	ND	0.200		
PCB-131	ND	0.321			PCB-175	ND	0.251		
PCB-132/161	ND	0.248			PCB-176	ND	0.182		
PCB-133/142	ND	0.306			PCB-177	ND	0.216		
PCB-134/143	ND	0.302			PCB-178	ND	0.266		
PCB-135	ND	0.560			PCB-179	ND	0.189		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15
Project:	Locher Road AR	Sample Size:	12.5 g	Date Received:	28-Feb-2014 11:53
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	QC Batch:	B4C0024
				Date Analyzed :	14-Mar-14 14:48 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1.23			J	Total octaCB	0.881		2.09	J
PCB-181	ND	0.194			Total nonaCB	0.416		1.26	J
PCB-182/187	0.919			J	DecaCB	1.24			J
PCB-183	ND	0.226			Total PCB	17.1			
PCB-184	ND	0.196							
PCB-185	ND	0.200							
PCB-186	ND	0.183							
PCB-188	ND	0.168							
PCB-189	ND	0.150							
PCB-190	ND	0.145							
PCB-191	ND	0.164							
PCB-192	ND	0.172							
PCB-193	ND	0.160							
PCB-194	ND		0.536						
PCB-195	ND	0.240							
PCB-196/203	0.881			J					
PCB-197	ND	0.289							
PCB-198	ND	0.414							
PCB-199	ND		0.669						
PCB-200	ND	0.299							
PCB-201	ND	0.282							
PCB-202	ND	0.287							
PCB-204	ND	0.304							
PCB-205	ND	0.199							
PCB-206	ND		0.848						
PCB-207	ND	0.145							
PCB-208	0.416			J					
PCB-209	1.24			J					
Total monoCB	ND	1.96							
Total diCB	ND	2.98							
Total triCB	ND	0.365							
Total tetraCB	3.07		3.91						
Total pentaCB	4.26		5.24						
Total hexaCB	4.56								
Total heptaCB	2.71								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

EMPC - Estimated maximum possible concentration

Project 1400175

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1400175-15	Date Received:	28-Feb-2014 11:53
Project:	Locher Road AR	Sample Size:	12.5 g	QC Batch:	B4C0024	Date Extracted:	06-Mar-2014 11:38
Date Collected:	27-Feb-2014 8:45	% Solids:	82.0	Date Analyzed :	14-Mar-14 14:48	Column:	ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	55.9	5 -145		13C-PCB-170	94.3	10 -145	
13C-PCB-3	66.1	5 -145		13C-PCB-180	89.2	10 -145	
13C-PCB-4	63.6	5 -145		13C-PCB-188	69.1	10 -145	
13C-PCB-11	77.2	5 -145		13C-PCB-189	98.3	10 -145	
13C-PCB-9	66.4	5 -145		13C-PCB-194	90.1	10 -145	
13C-PCB-19	67.1	5 -145		13C-PCB-202	63.7	10 -145	
13C-PCB-28	95.6	5 -145		13C-PCB-206	94.6	10 -145	
13C-PCB-32	69.3	5 -145		13C-PCB-208	87.8	10 -145	
13C-PCB-37	120	5 -145		13C-PCB-209	92.3	10 -145	
13C-PCB-47	75.3	5 -145		CRS 13C-PCB-79	112	10 -145	
13C-PCB-52	78.1	5 -145		13C-PCB-178	87.2	10 -145	
13C-PCB-54	70.3	5 -145					
13C-PCB-70	95.9	5 -145					
13C-PCB-77	117	10 -145					
13C-PCB-80	94.7	10 -145					
13C-PCB-81	112	10 -145					
13C-PCB-95	80.6	10 -145					
13C-PCB-97	89.9	10 -145					
13C-PCB-101	86.7	10 -145					
13C-PCB-104	78.8	10 -145					
13C-PCB-105	84.9	10 -145					
13C-PCB-114	81.1	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	94.1	10 -145					
13C-PCB-127	89.6	10 -145					
13C-PCB-138	91.5	10 -145					
13C-PCB-141	93.2	10 -145					
13C-PCB-153	90.1	10 -145					
13C-PCB-155	65.7	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	99.8	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	119	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
Arkansas Department of Environmental Quality	13-017-0
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Mississippi Department of Health	N/A
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
North Dakota Department of Health	R-078
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	010
South Carolina Department of Health	87002001
Tennessee Dept of Environment and Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2358
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1400175 Yes No
Storage ID: WR2 Temp: 1.2 °C

Project I.D.: LOCHAN ROAD AR P.O.# _____ Sampler: STEVEN PATTEN
(Name)

TAT: (Check One):
Standard: 21 Days
Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name WALLA WALLA BASIN WATERSEWER COUNCIL Company _____ Address 810 S MAD ST. City MELTON-FREWATER, OR State _____ Zip 97867 Ph# 541-938-2170 Fax# _____
Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 2-27-14 Time: 12:45 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) MPS Date: 2/28/14 Time: 1:53 Received by: (Signature and Printed Name) B. Benedict Date: 02/28/14 Time: 1:00

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: _____
Tracking No.: _____

Container(s)		Add Analysis(es) Requested																
Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	CARB429

Sample ID	Date	Time	Location/Sample Description
<u>CANAL - SOURCE</u>	<u>2/27/14</u>		<u>Lochan Pond</u>
<u>GW-136</u>	<u>2/27/14</u>	<u>12:20</u>	<u>Stream Pond</u>
<u>SOIL #11</u>	<u>2/27/14</u>	<u>8:00</u>	<u>Lochan Pond</u>

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: 541-938-2170 Fax: _____
Email: steven.patten@wlabinc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other _____

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate,
O = Other _____



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1400175

Yes No

Storage ID: WR-2

Temp: 1.2 °C

Project I.D.: LOCHER ROAD AR P.O.# _____

Sampler: STEVEN PATEN
(Name)

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 07 days Specify: _____

Invoice to: Name WALLA WALLA BASED WATERWORKS COUNCIL Company _____ Address 810 S. MAR ST City MELTON FREEMAN State OR Zip 97802 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) [Signature] Date: 2-27-14 Time: 13:45 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) [Signature] Date: 02/28/14 Time: 1153 Received by: (Signature and Printed Name) B. Benedict Date: 02/28/14 Time: 1200

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: _____

ATTN: _____

Tracking No.: _____

Add Analysis(es) Requested

Container(s)

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
				EPA1613	EPA8290	EPA8280	EPA1668	EPA1614	CARB429													
SOIL #1	2/27/14	8:00	LOCHER ROAD	G	SO											X						
SOIL #2		8:03		G	SO											X						
SOIL #3		8:10		G	SO											X						
SOIL #4		8:13		G	SO											X						
SOIL #5		8:17		G	SO											X						
SOIL #6		8:20		G	SO											X						
SOIL #7		8:27		G	SO											X						
SOIL #8		8:30		G	SO											X						
SOIL #9		8:37		G	SO											X						
SOIL #10		8:45		G	SO											X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATEN
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: 541-938-2170 Fax: _____
Email: Steven.Paten@wslbwc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
AQ = Aqueous, O = Other _____

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MMS Train, O = Other _____
*Bottle Preservative Type: T = Thiosulfate, O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400175

TAT

Samples Arrival:	Date/Time 02/28/14 1153	Initials: CBB	Location: WR2
			Shelf/Rack: NA
Logged In:	Date/Time 02/28/14 1254	Initials: CBB	Location: WR2
			Shelf/Rack: B3
Delivered By:	FedEx	<u>UPS</u> On Trac	DHL Hand Delivered Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice None
Temp °C: 0.6 (uncorrected)	Time: 1158		Thermometer ID: IR-2
Temp °C: 0.6 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received? <u>A3B containers</u>	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?			<input checked="" type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Airbill Trk # <u>1Z62E3F70159150627</u>	<input checked="" type="checkbox"/>		
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?	<input checked="" type="checkbox"/>		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
Na ₂ S ₂ O ₃ Preservation Documented?		COC	Sample Container <u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u> Return Dispose

Comments:

GW-71 A3B containers
 GW-72
 GW-70
 ↓

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400175 TAT Std

Samples Arrival:	Date/Time 02/28/14 1153	Initials: BSP	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 02/28/14 1256	Initials: BSP	Location: WR-2
			Shelf/Rack: B3/E4
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 1.2	(uncorrected)	Time: 1155	Thermometer ID: IR-2
Temp °C: 1.2	(corrected)		

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	Trk # 1Z62E3F70192482555		
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Anomaly/Sample Acceptance Form completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Na ₂ S ₂ O ₃ Preservation Documented?	COC	Sample Container	<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments: Note No Tape securing cooler lid.

GW-136 A & B containers

Canal Source A & B containers collection time 1245

Soil # 11 listed on COC, but not received in 2/28/14 shipment

Soil #1
2
3
4
5

Soil #6
7
8
9
10

Chain of Custody Anomaly/Sample Acceptance Form



Client: Walla Walla Basin Watershed Council
 Contact: Steven Patten
 Email: steven.patten@wwbwc.org
 Phone: (541) 938-2170

Workorder Number: 1400175
 Date Received: 28-Feb-14 11:53
 Documented by/date: B. Benedict 02/28/2014

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis.

Thank you,

Martha Maier
 mmaier@vista-analytical.com
 916-673-1520

The following information or item is needed to proceed with analysis:

- | | | |
|--|---|---|
| <input type="checkbox"/> Complete Chain-of-Custody | <input type="checkbox"/> Preservative | <input type="checkbox"/> Collector's Name |
| <input type="checkbox"/> Test Method Requested | <input type="checkbox"/> Sample Identification | <input type="checkbox"/> Sample Type |
| <input type="checkbox"/> Analyte List Requested | <input type="checkbox"/> Sample Collection Date and/or Time | <input type="checkbox"/> Sample Location |
| <input checked="" type="checkbox"/> Other:
COC list sample ID "Soil #11" with a collection date & time. However, quantity field left blank. And didn't receive sample in 02/28/14 shipment. | | |

The following anomalies were noted. Authorization is needed to proceed with analysis.

- | | | | |
|--|---|-----|-----------|
| <input type="checkbox"/> Temperature outside < 6°C Range | Samples Affected: _____ | | |
| Temperature _____°C | Ice Present? | Yes | No Melted |
| <input type="checkbox"/> Sample ID Discrepancy | <input type="checkbox"/> Insufficient Sample Size | | |
| <input type="checkbox"/> Sample Holding Time Missed | <input type="checkbox"/> Sample Container(s) Broken | | |
| <input type="checkbox"/> Custody Seals Broken | <input type="checkbox"/> Incorrect Container Type | | |

Comments:

Client Authorization	
Proceed with Analysis: <input checked="" type="radio"/> YES <input type="radio"/> NO	Signature and Date <u>Col. Fisher 2/28/2014</u>
Client Comments/Instructions <u>sample not collected.</u>	



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April 15, 2014

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-05114 - Water Quality Multiple Locations

Dear Mr. Steven Patten,

Your project: Water Quality Multiple Locations, was received on Wednesday March 26, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



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April 18, 2014

Page 1 of 1

Case Narrative

Reference: **14-05114**

Project Notes

	Analytical Method	Notes	Created by
Project Note	8081A	EPA Method 8081B - Endosulfan II a co-eluting compound could not be resolved at the MRL of 0.05 ug/L. The MRL, reporting limit, has been increased to 0.1 ug/L for this compound. The project data quality objective of 0.1 u/L was still met.	CO

Lab Sample ID Sample Information

12678 GW-146 - Stiller Pond

Analytical Method	Notes	Created by
8081A	Bromacil was detected in the analysis and estimated at 0.1 ug/L. The compound was confirmed by GC/MS.	CO



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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12677
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3535

Report Date: 4/10/14
Date Analyzed: 4/3/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081B_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.1	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12678
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/10/14
Date Analyzed: 4/3/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081B_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.1	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12679
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/10/14
Date Analyzed: 4/3/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081B_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.1	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12680
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/10/14
Date Analyzed: 4/3/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081B_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.1	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12681
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/10/14
Date Analyzed: 4/3/14
Analyst: CO
Released By:
Analytical Method: 8081A
Batch: 8081B_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.1	0.02	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12677
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/25/14
Extraction Date: 4/7/14
Extraction Method: 5030B

Report Date: 4/10/14
Date Analyzed: 4/7/14
Analyst: EM
Released By:
Analytical Method: 8260B
Batch: 8260W_140407

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	
95-50-1	1,2 - DICHLOROENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
106-46-7	1,4 - DICHLOROENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROENZENE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	

Notes:

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Form: c608.rpt

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12678
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/7/14
Extraction Method: 5030B

Report Date: 4/10/14
Date Analyzed: 4/7/14
Analyst: EM
Released By:
Analytical Method: 8260B
Batch: 8260W_140407

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	
95-50-1	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROETHANE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
106-46-7	1,4 - DICHLOROETHANE (para)	ND		ug/L	0.4	0.4	0.08	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROETHANE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	

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Form: c608.rpt

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12679
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/7/14
Extraction Method: 5030B

Report Date: 4/10/14
Date Analyzed: 4/7/14
Analyst: EM
Released By:
Analytical Method: 8260B
Batch: 8260W_140407

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	
95-50-1	1,2 - DICHLOROENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
106-46-7	1,4 - DICHLOROENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
78-93-3	2-BUTANONE (MEK)	ND		ug/L	2.0	2.0	0.92	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROENZENE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12680
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/7/14
Extraction Method: 5030B

Report Date: 4/10/14
Date Analyzed: 4/7/14
Analyst: EM
Released By:
Analytical Method: 8260B
Batch: 8260W_140407

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	
95-50-1	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROETHANE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
106-46-7	1,4 - DICHLOROETHANE (para)	ND		ug/L	0.4	0.4	0.08	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROETHANE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	

Notes:

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Form: c608.rpt

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12681
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/7/14
Extraction Method: 5030B

Report Date: 4/10/14
Date Analyzed: 4/7/14
Analyst: EM
Released By:
Analytical Method: 8260B
Batch: 8260W_140407

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	
95-50-1	1,2 - DICHLOROENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	
87-61-6	1,2,3 - TRICHLOROENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	
120-82-1	1,2,4 - TRICHLOROENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	
541-73-1	1,3 - DICHLOROENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	
106-46-7	1,4 - DICHLOROENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
108-86-1	BROMOENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	
108-90-7	CHLOROENZENE	ND		ug/L	0.4	0.4	0.05	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	

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Form: c608.rpt

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12677
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/14/14
Date Analyzed: 4/4/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12678
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/14/14
Date Analyzed: 4/4/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	3.9		ug/L	0.1	0.1	0.04	1.00	Confirmed by GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12679
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/14/14
Date Analyzed: 4/4/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12680
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/14/14
Date Analyzed: 4/4/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	Screening only
1861-32-1	TOTAL DCPA	0.15		ug/L	0.1	0.1	0.04	1.00	Field DUP: 0.10 ug/L
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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 ND - indicates the compound was not detected above the PQL or MDL.
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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locati

Lab Number: 12681
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 3/25/14
Extraction Date: 4/1/14
Extraction Method: 3510C

Report Date: 4/14/14
Date Analyzed: 4/4/14
Analyst: EM
Released By:
Analytical Method: 8151A
Batch: 8151W_140401

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.06	1.00	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.07	1.00	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.03	1.00	
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	
1861-32-1	TOTAL DCPA	0.11		ug/L	0.1	0.1	0.04	1.00	Confirmed by GC/MS
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	

Notes:

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D.F. - Dilution Factor.

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-05114**
Project: Water Quality Multiple Locations

Report Date: 4/15/14
Date Received: 3/26/14
Reviewed by:

Sample Description: Intake - Stiller Pond								Sample Date: 3/25/14			
Lab Number: 12677		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	8.80E-06	mg/L	1.00	245.1	3/28/14	EAF	245.1_140328	
16887-00-6	CHLORIDE	2.9	0.1	0.01	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	BICARBONATE	36	1.00		mg CaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
NA	CARBONATE	ND	1.00		mgCaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10617	TURBIDITY	3.98	0.10		NTU	1.00	180.1	3/26/14	EAF	turb_140326	
16984-48-8	FLUORIDE	ND	0.1	0.006	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14797-55-8	NITRATE-N	0.9	0.100	0.008	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14808-79-8	SULFATE	2.6	0.2	0.015	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	CORROSIVITY	-1.74			SI	1.00	SM203	4/8/14	mvp	COR_140408	
E-11712	COLOR	14	5		Color Units	0.00	SM2120 B	3/26/14	eaf	COLOR_140326	pH:7.49
E-11734	ODOR	2.79	1		TON	1.00	SM2150	3/26/14	MMH	ODOR_140326	Temperature: 38.5
E-14506	ALKALINITY	36	1.00		mg CaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	84	10		mg/L	1.00	SM2540 C	3/28/14	SRF	TDS_140328	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	84	10		mg/L	1.00	SM2540 C	3/28/14	SRF	TDS_140328	
E-10139	HYDROGEN ION (pH)	7.49			pH Units	1.00	SM4500-H+ B	3/26/14	EAF	ph_140326	
NA	SURFACTANTS	<0.025	0.025	0.025	mg/L	1.00	SM5540 C	3/27/14	EB	AMTEST_140327	Analyzed by Amtest
7439-89-6	IRON	0.47	0.050	0.0013	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7439-96-5	MANGANESE	0.006	0.005	0.0001	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7440-39-3	BARIUM	0.012 J	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WWW	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WWW	
7440-47-3	CHROMIUM	0.0002 J	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WWW	
7440-50-8	COPPER	0.0015 J	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331www	
7439-92-1	LEAD	0.0003 J	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WWW	
7782-49-2	SELENIUM	0.0004 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WWW	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WWW	
7440-66-6	ZINC	0.005	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331www	
7440-70-2	CALCIUM	8.6	0.5	0.007	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
	E. Coli	10.8 H3	1		MPN/100mL	0.00	SM9223 B.2.b/Coliler	3/27/14	JMM	QT_140326	
	TOTAL COLIFORM	290.9 H3	1		MPN/100mL	0.00	SM9223 B.2.b/Coliler	3/27/14	JMM	QT_140326	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
RL = Reporting Limit.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

Data Report

7723-14-0 TOTAL PHOSPHORUS 0.304 0.020 0.0061 mg/L 2.00 SM4500-P F/SM4500 3/27/14 SPL TPHOS-140327

Sample Description: GW-146 - Stiller Pond								Sample Date: 3/25/14			
Lab Number: 12678		Sample Comment:						Collected By: Mr. Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	8.80E-06	mg/L	1.00	245.1	3/28/14	EAF	245.1_140328	
16887-00-6	CHLORIDE	47	0.1	0.01	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	BICARBONATE	232	1.00		mg CaCO3/L	1.00	SM2320 B	4/1/14	SRF	ALK_140401	
NA	CARBONATE	ND	1.00		mgCaCO3/L	1.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10617	TURBIDITY	2.89	0.10		NTU	1.00	180.1	3/26/14	EAF	turb_140326	
16984-48-8	FLUORIDE	0.22	0.1	0.006	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14797-55-8	NITRATE-N	16.71	0.100	0.008	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14808-79-8	SULFATE	49	0.2	0.015	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	CORROSIVITY	-0.34			SI	1.00	SM203	4/8/14	mvp	COR_140408	
E-11712	COLOR	ND	5		Color Units	1.00	SM2120 B	3/26/14	eaf	COLOR_140326	pH:7.24
E-11734	ODOR	ND	1		TON	1.00	SM2150	3/26/14	MMH	ODOR_140326	Temperature: 38.5
E-14506	ALKALINITY	232	1.00		mg CaCO3/L	1.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	510	10		mg/L	1.00	SM2540 C	3/28/14	SRF	TDS_140328	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	510	10		mg/L	1.00	SM2540 C	3/28/14	SRF	TDS_140328	
E-10139	HYDROGEN ION (pH)	7.24			pH Units	1.00	SM4500-H+ B	3/26/14	EAF	ph_140326	
NA	SURFACTANTS	0.025	0.025	0.025	mg/L	1.00	SM5540 C	3/27/14	EB	AMTEST_140327	Analyzed by Amtest
7439-89-6	IRON	0.34	0.050	0.0013	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7439-96-5	MANGANESE	0.008	0.005	0.0001	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7440-39-3	BARIUM	0.091	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-47-3	CHROMIUM	0.002	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-50-8	COPPER	0.0012 J	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331ww	
7439-92-1	LEAD	0.0002 J	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7782-49-2	SELENIUM	0.001 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-66-6	ZINC	0.0012 J	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331ww	
7440-70-2	CALCIUM	70.1	0.5	0.007	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
	E. COLI	N	Y/N		per 100mL	1.00	SM9223 B/Colilert-1E	3/27/14	JMM	M_140326WW	
	TOTAL COLIFORM	A	P/A		per 100mL	1.00	SM9223 B/Colilert-1E	3/27/14	JMM	M_140326WW	
7723-14-0	TOTAL PHOSPHORUS	0.114	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/27/14	SPL	TPHOS-140327	

Sample Description: GW-147 - Stiller Pond								Sample Date: 3/25/14			
Lab Number: 12679		Sample Comment:						Collected By: Mr. Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	8.80E-06	mg/L	1.00	245.1	3/28/14	EAF	245.1_140328	
16887-00-6	CHLORIDE	32	0.1	0.01	mg/L	1.00	300.0	3/26/14	BJ	I140326A	

Notes:
 ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. - Dilution Factor

Data Report

NA	BICARBONATE	135	1.00		mg CaCO3/L.00	SM2320 B	4/1/14	SRF	ALK_140401	
NA	CARBONATE	ND	1.00		mgCaCO3/L.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10617	TURBIDITY	1.10	0.10		NTU	1.00 180.1	3/26/14	EAF	turb_140326	
16984-48-8	FLUORIDE	0.12	0.1	0.006	mg/L	1.00 300.0	3/26/14	BJ	I140326A	
14797-55-8	NITRATE-N	5.94	0.100	0.008	mg/L	1.00 300.0	3/26/14	BJ	I140326A	
14808-79-8	SULFATE	24	0.2	0.015	mg/L	1.00 300.0	3/26/14	BJ	I140326A	
NA	CORROSIVITY	-0.72			SI	1.00 SM203	4/8/14	mvp	COR_140408	
E-11712	COLOR	ND	5		Color Units	1.00 SM2120 B	3/26/14	eaf	COLOR_140326	pH:7.25
E-11734	ODOR	ND	1		TON	1.00 SM2150	3/26/14	MMH	ODOR_140326	Temperature: 41.2
E-14506	ALKALINITY	135	1.00		mg CaCO3/L.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	300	10		mg/L	1.00 SM2540 C	3/28/14	SRF	TDS_140328	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	300	10		mg/L	1.00 SM2540 C	3/28/14	SRF	TDS_140328	
E-10139	HYDROGEN ION (pH)	7.25			pH Units	1.00 SM4500-H+ B	3/26/14	EAF	ph_140326	
NA	SURFACTANTS	0.038	0.025	0.025	mg/L	1.00 SM5540 C	3/27/14	EB	AMTEST_140327	Analyzed by Amtest
7439-89-6	IRON	0.12	0.050	0.0013	mg/L	1.00 200.7/3010A	3/31/14	BJ	200.7-140331B	
7439-96-5	MANGANESE	0.003	0.005	0.0001	mg/L	1.00 200.7/3010A	3/31/14	BJ	200.7-140331B	
7440-39-3	BARIUM	0.039	0.001	1.55E-05	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-43-9	CADMIUM	0.00022 J	0.00025	4.93E-06	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-47-3	CHROMIUM	0.0009 J	0.001	3.52E-05	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-50-8	COPPER	0.003	0.002	2.32E-05	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331ww	
7439-92-1	LEAD	0.0006	0.0005	1.27E-05	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331WW	
7782-49-2	SELENIUM	0.0008 J	0.002	3.12E-05	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331ww	
7440-66-6	ZINC	0.007	0.0025	4.25E-05	mg/L	1.00 200.8/3010A	3/31/14	MVP	200.8_140331ww	
7440-70-2	CALCIUM	45.1	0.5	0.007	mg/L	1.00 200.7/3010A	3/31/14	BJ	200.7-140331B	
	E. COLI	N	Y/N		per 100mL	1.00 SM9223 B/Colliert-1E	3/27/14	JMM	M_140326WW	
	TOTAL COLIFORM	A	P/A		per 100mL	1.00 SM9223 B/Colliert-1E	3/27/14	JMM	M_140326WW	
7723-14-0	TOTAL PHOSPHORUS	0.186	0.010	0.0061	mg/L	1.00 SM4500-P F/SM4500	3/27/14	SPL	TPHOS-140327	

Sample Description: GW-136 - Stiller Pond							Sample Date: 3/25/14				
Lab Number: 12680		Sample Comment:					Collected By: Mr. Steven Patten				

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-97-6	MERCURY	ND	0.0002	8.80E-06	mg/L	1.00	245.1	3/28/14	EAF	245.1_140328	
16887-00-6	CHLORIDE	15	0.1	0.01	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	BICARBONATE	184	1.00		mg CaCO3/L.00		SM2320 B	4/1/14	SRF	ALK_140401	
NA	CARBONATE	ND	1.00		mgCaCO3/L.00		SM2320 B	4/1/14	SRF	ALK_140401	
E-10617	TURBIDITY	1.20	0.10		NTU	1.00	180.1	3/26/14	EAF	turb_140326	
16984-48-8	FLUORIDE	0.17	0.1	0.006	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14797-55-8	NITRATE-N	3.34	0.100	0.008	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14808-79-8	SULFATE	16	0.2	0.015	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	CORROSIVITY	-0.35			SI	1.00	SM203	4/8/14	mvp	COR_140408	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. - Dilution Factor

Data Report

E-11712	COLOR	ND	5		Color Units	0.00	SM2120 B	3/26/14	eaf	COLOR_140326	pH:7.45
E-11734	ODOR	ND	1		TON	1.00	SM2150	3/26/14	MMH	ODOR_140326	Temperature: 41.2
E-14506	ALKALINITY	184	1.00		mg CaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	270	10		mg/L	1.00	SM2540 C	3/28/14	SRF	TDS_140328	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	270	10		mg/L	1.00	SM2540 C	3/28/14	SRF	TDS_140328	
E-10139	HYDROGEN ION (pH)	7.45			pH Units	1.00	SM4500-H+ B	3/26/14	EAF	ph_140326	
NA	SURFACTANTS	0.025	0.025	0.025	mg/L	1.00	SM5540 C	3/27/14	EB	AMTEST_140327	Analyzed by Amtest
7439-89-6	IRON	0.13	0.050	0.0013	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7439-96-5	MANGANESE	0.015	0.005	0.0001	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7440-39-3	BARIUM	0.076	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-47-3	CHROMIUM	0.001	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-50-8	COPPER	0.0014 J	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331ww	
7439-92-1	LEAD	0.00036 J	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7782-49-2	SELENIUM	0.0009 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-66-6	ZINC	0.0016 J	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331ww	
7440-70-2	CALCIUM	49.2	0.5	0.007	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
	E. COLI	N	Y/N		per 100mL	1.00	SM9223 B/Colilert-1E	3/27/14	JMM	M_140326WW	
	TOTAL COLIFORM	A	P/A		per 100mL	1.00	SM9223 B/Colilert-1E	3/27/14	JMM	M_140326WW	
7723-14-0	TOTAL PHOSPHORUS	0.149	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/27/14	SPL	TPHOS-140327	

Sample Description: GW-145 - Stiller Pond								Sample Date: 3/25/14			
Lab Number: 12681		Sample Comment:						Collected By: Mr. Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment

7439-97-6	MERCURY	ND	0.0002	8.80E-06	mg/L	1.00	245.1	3/28/14	EAF	245.1_140328	
16887-00-6	CHLORIDE	39	0.1	0.01	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	BICARBONATE	200	1.00		mg CaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
NA	CARBONATE	ND	1.00		mgCaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10617	TURBIDITY	11.4	0.10		NTU	1.00	180.1	3/26/14	EAF	turb_140326	
16984-48-8	FLUORIDE	0.18	0.1	0.006	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14797-55-8	NITRATE-N	11.63	0.100	0.008	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
14808-79-8	SULFATE	38	0.2	0.015	mg/L	1.00	300.0	3/26/14	BJ	I140326A	
NA	CORROSIVITY	-0.36			SI	1.00	SM203	4/8/14	mvp	COR_140408	
E-11712	COLOR	6	5		Color Units	0.00	SM2120 B	3/26/14	eaf	COLOR_140326	pH:7.32
E-11734	ODOR	ND	1		TON	1.00	SM2150	3/26/14	MMH	ODOR_140326	Temperature: 41.2
E-14506	ALKALINITY	200	1.00		mg CaCO3/L	0.00	SM2320 B	4/1/14	SRF	ALK_140401	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	416	10		mg/L	1.00	SM2540 C	4/1/14	SRF	TDS_140401	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	416	10		mg/L	1.00	SM2540 C	4/1/14	SRF	TDS_140401	
E-10139	HYDROGEN ION (pH)	7.32			pH Units	1.00	SM4500-H+ B	3/26/14	EAF	ph_140326	

Notes:

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 D.F. - Dilution Factor

Data Report

NA	SURFACTANTS	0.025	0.025	0.025	mg/L	1.00	SM5540 C	3/27/14	EB	AMTEST_140327	Analyzed by Amtest
7439-89-6	IRON	1.65	0.050	0.0013	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7439-96-5	MANGANESE	0.043	0.005	0.0001	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
7440-39-3	BARIUM	0.078	0.001	1.55E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-43-9	CADMIUM	ND	0.00025	4.93E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-47-3	CHROMIUM	0.0015	0.001	3.52E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-50-8	COPPER	0.0018 J	0.002	2.32E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331ww	
7439-92-1	LEAD	0.0006	0.0005	1.27E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7782-49-2	SELENIUM	0.0008 J	0.002	3.12E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-22-4	SILVER	ND	0.0002	5.50E-06	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331WW	
7440-66-6	ZINC	0.003	0.0025	4.25E-05	mg/L	1.00	200.8/3010A	3/31/14	MVP	200.8_140331ww	
7440-70-2	CALCIUM	62.5	0.5	0.007	mg/L	1.00	200.7/3010A	3/31/14	BJ	200.7-140331B	
	E. COLI	N	Y/N		per 100mL	1.00	SM9223 B/Colilert-1E	3/27/14	JMM	M_140326WW	
	TOTAL COLIFORM	A	P/A		per 100mL	1.00	SM9223 B/Colilert-1E	3/27/14	JMM	M_140326WW	
7723-14-0	TOTAL PHOSPHORUS	0.154	0.010	0.0061	mg/L	1.00	SM4500-P F/SM4500	3/27/14	SPL	TPHOS-140327	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 RL = Reporting Limit.
 D.F. - Dilution Factor



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier	Type*
200.7-140331B	CALCIUM	26	26	mg/L	200.7	100	85-115	LFB	
	IRON	1.02	1	mg/L	200.7	102	85-115		
	MANGANESE	0.99	1	mg/L	200.7	99	85-115		
200.8_140331WV	BARIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	CADMIUM	0.041	0.040	mg/L	200.8	103	85-115		
	CHROMIUM	0.042	0.040	mg/L	200.8	105	85-115		
	COPPER	0.043	0.040	mg/L	200.8	108	85-115		
	LEAD	0.043	0.040	mg/L	200.8	108	85-115		
	SELENIUM	0.040	0.040	mg/L	200.8	100	85-115		
	SILVER	0.042	0.040	mg/L	200.8	105	85-115		
200.8_140331WV	BARIUM	0.0021	0.002	mg/L	200.8	105	85-115	LFB	
	CADMIUM	0.0019	0.002	mg/L	200.8	95	85-115		
	CHROMIUM	0.0023	0.002	mg/L	200.8	115	85-115		
	COPPER	0.0022	0.002	mg/L	200.8	110	85-115		
	LEAD	0.0022	0.002	mg/L	200.8	110	85-115		
	SELENIUM	0.0020	0.002	mg/L	200.8	100	85-115		
	SILVER	0.0020	0.002	mg/L	200.8	100	85-115		
	ZINC	0.0020	0.002	mg/L	200.8	100	85-115		
245.1_140328	MERCURY	0.00179	0.00167	mg/L	245.1	107	85-115	LFB	
8081B_140401	4,4' - DDD	0.24	0.25	ug/L	8081A	96	78-132	LFB	
	4,4' - DDE	0.24	0.25	ug/L	8081A	96	73-127		
	4,4' - DDT	0.26	0.25	ug/L	8081A	104	56-158		
	ALDRIN	0.25	0.25	ug/L	8081A	100	68-128		
	ALPHA-CHLORDANE	0.26	0.25	ug/L	8081A	104	70-130		
	BHC, ALPHA -	0.22	0.25	ug/L	8081A	88	37-134		
	BHC, BETA -	0.27	0.25	ug/L	8081A	108	17-147		
	BHC, DELTA -	0.25	0.25	ug/L	8081A	100	32-127		
	DIELDRIN	0.25	0.25	ug/L	8081A	100	74-134		
	ENDOSULFAN I	0.24	0.25	ug/L	8081A	96	67-133		
	ENDOSULFAN II	0.255	0.25	ug/L	8081A	102	64-142		

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier	Type*
8081B_140401	ENDOSULFAN SULFATE	0.29	0.25	ug/L	8081A	116	71-143	LFB	
	ENDRIN	0.29	0.25	ug/L	8081A	116	30-147		
	ENDRIN ALDEHYDE	0.26	0.25	ug/L	8081A	104	78-110		
	ENDRIN KETONE	0.29	0.25	ug/L	8081A	116	70-130		
	GAMMA-CHLORDANE	0.26	0.25	ug/L	8081A	104	74-124		
	HEPTACHLOR	0.26	0.25	ug/L	8081A	104	61-133		
	HEPTACHLOR EPOXIDE "B"	0.275	0.25	ug/L	8081A	110	73-127		
	LINDANE (BHC - GAMMA)	0.24	0.25	ug/L	8081A	96	17-140		
	METHOXYCHLOR	0.29	0.25	ug/L	8081A	116	41-157		
	DECACHLOROBIPHENYL (Surr)	69		%	8081A		58-132		
	TETRACHLORO-M-XYLENE (Surr)	93		%	8081A		67-115		
	8151W_140401	PICLORAM	2.25	2.22	ug/L	8151A	101	48-114	LFB
3,5 - DICHLOROBENZOIC ACID		2.33	2.22	ug/L	8151A	105	70-130		
BENTAZON		4.66	4.44	ug/L	8151A	105	67-121		
TOTAL DCPA		1.97	2.22	ug/L	8151A	89	48-168		
2,4 - D		4.58	4.44	ug/L	8151A	103	60-120		
2,4 DB		19.0	17.8	ug/L	8151A	107	49-134		
2,4,5 - TP (SILVEX)		2.67	2.22	ug/L	8151A	120	68-122		
2,4,5 T		2.33	2.22	ug/L	8151A	105	62-128		
DALAPON		27.1	28.9	ug/L	8151A	94	53-142		
DICAMBA		2.18	2.22	ug/L	8151A	98	66-126		
DICHLORPROP		6.97	6.66	ug/L	8151A	105	63-123		
DINOSEB		4.26	4.44	ug/L	8151A	96	73-127		
MCPA		1.93	2.22	ug/L	8151A	87	49-121		
MCPP		1.87	2.22	ug/L	8151A	84	48-126		
PENTACHLOROPHENOL		2.25	2.22	ug/L	8151A	101	69-123		
ACIFLUORFEN		2.14	2.22	ug/L	8151A	96	65-125		
TRICLOPYR		2.15	2.22	ug/L	8151A	97	70-130		
2,4 - DCAA (SURR)	108		%	8151A		61-129			
8260W_140407	1,1 - DICHLOROETHANE	4.2	4	ug/L	8260B	105	70-130	LFB	
	1,1 - DICHLOROETHYLENE	4.2	4	ug/L	8260B	105	70-130		
	1,1 - DICHLOROPROPENE	4.1	4	ug/L	8260B	103	70-130		
	1,1,1 - TRICHLOROETHANE	4.4	4	ug/L	8260B	110	70-130		

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier	Type*	
8260W_140407	1,1,1,2 - TETRACHLOROETHANE	4.2	4	ug/L	8260B	105	70-130		LFB	
	1,1,2 - TRICHLOROETHANE	4.4	4	ug/L	8260B	110	70-130			
	1,1,2,2 - TETRACHLOROETHANE	4.1	4	ug/L	8260B	103	70-130			
	1,2 - DICHLOROBENZENE (ortho)	4.1	4	ug/L	8260B	103	70-130			
	1,2 - DICHLOROETHANE	4.6	4	ug/L	8260B	115	70-130			
	1,2 - DICHLOROPROPANE	4	4	ug/L	8260B	100	70-130			
	1,2,3 - TRICHLOROBENZENE	4.3	4	ug/L	8260B	108	70-130			
	1,2,3 - TRICHLOROPROPANE	4.7	4	ug/L	8260B	118	70-130			
	1,2,4 - TRICHLOROBENZENE	4.1	4	ug/L	8260B	103	70-130			
	1,2,4 - TRIMETHYLBENZENE	4.1	4	ug/L	8260B	103	70-130			
	1,2-DIBROMO-3-CHLOROPROPANE	4.3	4	ug/L	8260B	108	70-130			
	1,3 - DICHLOROBENZENE (meta)	4	4	ug/L	8260B	100	70-130			
	1,3 - DICHLOROPROPANE	4.1	4	ug/L	8260B	103	70-130			
	1,3,5 - TRIMETHYLBENZENE	4.2	4	ug/L	8260B	105	70-130			
	1,4 - DICHLOROBENZENE (para)	4.6	4	ug/L	8260B	115	70-130			
	2,2 - DICHLOROPROPANE	4.5	4	ug/L	8260B	113	70-130			
	BENZENE	4.2	4	ug/L	8260B	105	70-130			
	BROMOBENZENE	3.8	4	ug/L	8260B	95	70-130			
	BROMOCHLOROMETHANE	4.2	4	ug/L	8260B	105	70-130			
	BROMODICHLOROMETHANE	4.5	4	ug/L	8260B	113	70-130			
	BROMOFORM	4.3	4	ug/L	8260B	108	70-130			
	BROMOMETHANE	4.9	4	ug/L	8260B	123	70-130		HR	
	CARBON TETRACHLORIDE	4.7	4	ug/L	8260B	118	70-130			
	CHLOROBENZENE	4.1	4	ug/L	8260B	103	70-130			
	CHLOROETHANE	4.6	4	ug/L	8260B	115	70-130			
	CHLOROFORM	4.5	4	ug/L	8260B	113	70-130			
	CHLOROMETHANE	4.4	4	ug/L	8260B	110	70-130			
	CIS - 1,2 - DICHLOROETHENE	3.8	4	ug/L	8260B	95	70-130			
	CIS - 1,3 - DICHLOROPROPENE	3.9	4	ug/L	8260B	98	70-130			
	DIBROMOCHLOROMETHANE	4.2	4	ug/L	8260B	105	70-130			
	DIBROMOMETHANE	4.3	4	ug/L	8260B	108	70-130			
	DICHLORODIFLUOROMETHANE	4.2	4	ug/L	8260B	105	70-130			
	ETHYLBENZENE	4.1	4	ug/L	8260B	103	70-130			
HEXACHLOROBUTADIENE	4.4	4	ug/L	8260B	110	70-130				
ISOPROPYLBENZENE	3.8	4	ug/L	8260B	95	70-130				
M,P- XYLENE	8.3	8	ug/L	8260B	104	70-130				

*Notation:
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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Limits*	Qualifier Type*	Comment	
8260W_140407	METHYL TERT-BUTYL ETHER	4	4	ug/L	8260B	100	70-130	LFB	
	METHYLENE CHLORIDE	4.2	4	ug/L	8260B	105	70-130		
	N - BUTYLBENZENE	3.9	4	ug/L	8260B	98	70-130		
	N - PROPYLBENZENE	3.8	4	ug/L	8260B	95	70-130		
	NAPHTHALENE	3.4	4	ug/L	8260B	85	70-130		
	O - CHLOROTOLUENE	3.9	4	ug/L	8260B	98	70-130		
	O - XYLENE	3.9	4	ug/L	8260B	98	70-130		
	P - CHLOROTOLUENE	3.9	4	ug/L	8260B	98	70-130		
	P - ISOPROPYLTOLUENE	4.3	4	ug/L	8260B	108	70-130		
	SEC - BUTYLBENZENE	4.2	4	ug/L	8260B	105	70-130		
	STYRENE	3.6	4	ug/L	8260B	90	70-130		
	TERT - BUTYLBENZENE	4.1	4	ug/L	8260B	103	70-130		
	TETRACHLOROETHYLENE	4.1	4	ug/L	8260B	103	70-130		
	TOLUENE	3.7	4	ug/L	8260B	93	70-130		
	TRANS - 1,2 - DICHLOROETHENE	4	4	ug/L	8260B	100	70-130		
	TRANS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	70-130		
	TRICHLOROETHENE	4.3	4	ug/L	8260B	108	70-130		
	TRICHLOROFLUOROMETHANE	5	4	ug/L	8260B	125	70-130	HR	
VINYL CHLORIDE	4.4	4	ug/L	8260B	110	70-130			
d8-TOLUENE (Surr)	102		%	8260B					
ALK_140401	ALKALINITY	98.4	100	mg CaCO3/ISM2320 B		98	70-130	LFB	
TPHOS-140327	TOTAL PHOSPHORUS	0.051	0.050	mg/L	SM4500-P F	102	70-130	LFB	

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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier	Type*
8081B_140401	4,4' - DDD	0.045	0.05	ug/L	8081A	90	78-132		LFBD
	4,4' - DDE	0.05	0.05	ug/L	8081A	100	73-127		
	4,4' - DDT	0.05	0.05	ug/L	8081A	100	56-158		
	ALDRIN	0.04	0.05	ug/L	8081A	80	68-128		
	ALPHA-CHLORDANE	0.05	0.05	ug/L	8081A	100	70-130		
	BHC, ALPHA -	0.05	0.05	ug/L	8081A	100	37-134		
	BHC, BETA -	0.04	0.05	ug/L	8081A	80	17-147		
	BHC, DELTA -	0.05	0.05	ug/L	8081A	100	32-127		
	DIELDRIN	0.05	0.05	ug/L	8081A	100	74-134		
	ENDOSULFAN I	0.05	0.05	ug/L	8081A	100	67-133		
	ENDOSULFAN II	0.12	0.05	ug/L	8081A	240	64-142	B2	
	ENDOSULFAN SULFATE	0.05	0.05	ug/L	8081A	100	71-143		
	ENDRIN	0.05	0.05	ug/L	8081A	100	30-147		
	ENDRIN ALDEHYDE	0.05	0.05	ug/L	8081A	100	78-110		
	ENDRIN KETONE	0.05	0.05	ug/L	8081A	100	70-130		
	GAMMA-CHLORDANE	0.045	0.05	ug/L	8081A	90	74-124		
	HEPTACHLOR	0.04	0.05	ug/L	8081A	80	61-133		
	HEPTACHLOR EPOXIDE "B"	0.05	0.05	ug/L	8081A	100	73-127		
	LINDANE (BHC - GAMMA)	0.05	0.05	ug/L	8081A	100	17-140		
	METHOXYCHLOR	0.06	0.05	ug/L	8081A	120	41-157		
DECACHLOROBIPHENYL (Surr)	69		%	8081A		58-132			
TETRACHLORO-M-XYLENE (Surr)	93		%	8081A		67-115			
8151W_140401	PICLORAM	0.034	0.05	ug/L	8151A	68	50-150		LFBD
	3,5 - DICHLOROBENZOIC ACID	0.044	0.05	ug/L	8151A	88	50-150		
	BENTAZON	0.076	0.1	ug/L	8151A	76	50-150		
	TOTAL DCPA	0.047	0.05	ug/L	8151A	94	50-150		
	2,4 - D	0.065	0.1	ug/L	8151A	65	50-150		
	2,4 DB	0.325	0.4	ug/L	8151A	81	50-150		
	2,4,5 - TP (SILVEX)	0.033	0.05	ug/L	8151A	66	50-150		
	2,4,5 T	0.032	0.05	ug/L	8151A	64	50-150		
	DALAPON	0.45	0.65	ug/L	8151A	69	50-150		
	DICAMBA	0.054	0.05	ug/L	8151A	108	50-150		
	DICHLORPROP	0.1	0.15	ug/L	8151A	67	50-150		
	DINOSEB	0.11	0.1	ug/L	8151A	110	50-150		

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 FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-05114

Report Date: 04/15/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
8151W_140401	MCPA	0.04	0.05	ug/L	8151A	80	50-150	LFBD	
	MCPD	0.04	0.05	ug/L	8151A	80	50-150		
	PENTACHLOROPHENOL	0.029	0.05	ug/L	8151A	58	50-150		
	ACIFLUORFEN	0.033	0.05	ug/L	8151A	66	50-150		
	TRICLOPYR	0.074	0.05	ug/L	8151A	148	50-150		
	2,4 - DCAA (SURR)	103		%	8151A		61-129		

***Notation:**

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier	Type*	
200.7-140331B	CALCIUM	ND		mg/L	200.7		0.00000		LRB	
	IRON	ND		mg/L	200.7		0.02500			
	MANGANESE	ND		mg/L	200.7		0.00250			
200.8_140331WV	BARIUM	ND		mg/L	200.8		0.00050		LRB	
	CADMIUM	ND		mg/L	200.8		0.00050			
	CHROMIUM	ND		mg/L	200.8		0.00250			
	COPPER	ND		mg/L	200.8		0.00250			
	LEAD	ND		mg/L	200.8		0.00050			
	SELENIUM	ND		mg/L	200.8		0.00250			
	SILVER	ND		mg/L	200.8		0.00050			
	ZINC	ND		mg/L	200.8		0.00250			
245.1_140328	MERCURY	ND		mg/L	245.1		0.00010		LRB	
ALK_140401	ALKALINITY	ND		mg CaCO3/ISM2320 B			0.00000		LRB	
color_140326	COLOR	ND		CU	SM2120 B		5.00000		LRB	
I140326A	FLUORIDE	ND		mg/L	300.0		0.01000		LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000			
	CHLORIDE	ND		mg/L	300.0		0.10000			
	SULFATE	ND		mg/L	300.0		0.10000			
TPHOS-140327	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0.01000		LRB	
turb_140326	TURBIDITY	ND		NTU	180.1		0.02000		LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
200.7-140331B	CALCIUM	ND		mg/L	200.7		0.00000		MB	
	IRON	ND		mg/L	200.7		0.02500			
	MANGANESE	ND		mg/L	200.7		0.00250			
200.8_140331WV	BARIUM	ND		mg/L	200.8		0.00050		MB	
	CADMIUM	ND		mg/L	200.8		0.00050			
	CHROMIUM	ND		mg/L	200.8		0.00250			
	COPPER	ND		mg/L	200.8		0.00250			
	LEAD	ND		mg/L	200.8		0.00050			
	SELENIUM	ND		mg/L	200.8		0.00250			
	SILVER	ND		mg/L	200.8		0.00050			
	ZINC	ND		mg/L	200.8		0.00250			
8081B_140401	4,4' - DDD	ND		ug/L	8081A		0.02000		MB	
	4,4' - DDE	ND		ug/L	8081A		0.02000			
	4,4' - DDT	ND		ug/L	8081A		0.02000			
	ALDRIN	ND		ug/L	8081A		0.02000			
	ALPHA-CHLORDANE	ND		ug/L	8081A		0.02000			
	BHC, ALPHA -	ND		ug/L	8081A		0.02000			
	BHC, BETA -	ND		ug/L	8081A		0.02000			
	BHC, DELTA -	ND		ug/L	8081A		0.02000			
	DIELDRIN	ND		ug/L	8081A		0.02000			
	ENDOSULFAN I	ND		ug/L	8081A		0.02000			
	ENDOSULFAN II	0.08		ug/L	8081A		0.02000	N1		
	ENDOSULFAN SULFATE	ND		ug/L	8081A		0.02000			
	ENDRIN	ND		ug/L	8081A		0.02000			
	ENDRIN ALDEHYDE	ND		ug/L	8081A		0.02000			
	ENDRIN KETONE	ND		ug/L	8081A		0.02000			
	GAMMA-CHLORDANE	ND		ug/L	8081A		0.02000			
	HEPTACHLOR	ND		ug/L	8081A		0.02000			
	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0.02000			
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0.02000			
	METHOXYCHLOR	ND		ug/L	8081A		0.02000			
	TOXAPHENE	ND		ug/L	8081A		0.02000			
DECACHLOROBIPHENYL (Surr)	69		%	8081A						

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier	Type*	
8081B_140401	TETRACHLORO-M-XYLENE (Surr)	99		%	8081A					MB
8151W_140401	PICLORAM	ND		ug/L	8151A		0.07000			MB
	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	8151A		0.20000			
	BENTAZON	ND		ug/L	8151A		0.20000			
	TOTAL DCPA	ND		ug/L	8151A		0.03000			
	2,4 - D	ND		ug/L	8151A		0.03000			
	2,4 DB	ND		ug/L	8151A		0.30000			
	2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0.03000			
	2,4,5 T	ND		ug/L	8151A		0.03000			
	DALAPON	ND		ug/L	8151A		0.40000			
	DICAMBA	ND		ug/L	8151A		0.03000			
	DICHLORPROP	ND		ug/L	8151A		0.03000			
	DINOSEB	ND		ug/L	8151A		0.03000			
	MCPA	ND		ug/L	8151A		0.03000			
	MCPP	ND		ug/L	8151A		0.03000			
	PENTACHLOROPHENOL	ND		ug/L	8151A		0.03000			
	ACIFLUORFEN	ND		ug/L	8151A		0.03000			
	TRICLOPYR	ND		ug/L	8151A		0.03000			
	2,4 - DCAA (SURR)	109		%	8151A		0.00000			
8260W_140407	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0.12000			MB TB 14-05114
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000			TB 14-05114
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000			TB 14-05114

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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-05114

Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8260W_140407	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0.12000		MB		TB 14-05114
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B	0.12000				TB 14-05114
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000				TB 14-05114
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B	0.12000				TB 14-05114
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0.12000				TB 14-05114
	BENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	BROMOBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	BROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	BROMODICHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	BROMOFORM	ND		ug/L	8260B	0.12000				TB 14-05114
	BROMOMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	CARBON TETRACHLORIDE	ND		ug/L	8260B	0.12000				TB 14-05114
	CHLOROBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	CHLOROETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	CHLOROFORM	ND		ug/L	8260B	0.12000				TB 14-05114
	CHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000				TB 14-05114
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000				TB 14-05114
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	DIBROMOMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	ETHYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	HEXACHLOROBUTADIENE	ND		ug/L	8260B	0.12000				TB 14-05114
	ISOPROPYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	M,P- XYLENE	ND		ug/L	8260B	0.12000				TB 14-05114
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0.25000				TB 14-05114
	METHYLENE CHLORIDE	ND		ug/L	8260B	0.50000				TB 14-05114
	N - BUTYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	N - PROPYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	NAPHTHALENE	ND		ug/L	8260B	0.12000				TB 14-05114
	O - CHLOROTOLUENE	ND		ug/L	8260B	0.12000				TB 14-05114
	O - XYLENE	ND		ug/L	8260B	0.12000				TB 14-05114
	P - CHLOROTOLUENE	ND		ug/L	8260B	0.12000				TB 14-05114
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0.12000				TB 14-05114
	SEC - BUTYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114

*Notation:
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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8260W_140407	STYRENE	ND		ug/L	8260B	0.12000		MB		TB 14-05114
	TERT - BUTYLBENZENE	ND		ug/L	8260B	0.12000				TB 14-05114
	TETRACHLOROETHYLENE	ND		ug/L	8260B	0.12000				TB 14-05114
	TOLUENE	ND		ug/L	8260B	0.12000				TB 14-05114
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000				TB 14-05114
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000				TB 14-05114
	TRICHLOROETHENE	ND		ug/L	8260B	0.12000				TB 14-05114
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B	0.12000				TB 14-05114
	VINYL CHLORIDE	ND		ug/L	8260B	0.12000				TB 14-05114
	d8-TOLUENE (Surr)	100		%	8260B					
TDS_140328	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000				
TDS_140328	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000				
TDS_140401	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000				
TDS_140401	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB		
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	2.50000				
TPHOS-140327	TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0.02000		MB		

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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	True		Units	Method	% Recovery		QC	
		Result	Value			Limits*	Qualifier Type*	Comment	
200.7-140331B	IRON	1.04	1	mg/L	200.7	104	85-115	QCS	
	MANGANESE	0.99	1	mg/L	200.7	99	85-115		
200.7-140331B	CALCIUM	19.7	20	mg/L	200.7	99	85-115	QCS	
200.8_140331WV	BARIUM	0.041	0.040	mg/L	200.8	103	85-115	QCS	
	CADMIUM	0.041	0.040	mg/L	200.8	103	85-115		
	CHROMIUM	0.042	0.040	mg/L	200.8	105	85-115		
	COPPER	0.041	0.040	mg/L	200.8	103	85-115		
	LEAD	0.042	0.040	mg/L	200.8	105	85-115		
	SELENIUM	0.041	0.040	mg/L	200.8	103	85-115		
	SILVER	0.042	0.040	mg/L	200.8	105	85-115		
ZINC	0.040	0.040	mg/L	200.8	100	85-115			
245.1_140328	MERCURY	0.00201	0.00200	mg/L	245.1	101	85-115	QCS	
ALK_140401	ALKALINITY	100.8	100	mg CaCO3/ISM2320 B		101	70-130	QCS	
color_140326	COLOR	10	10	CU	SM2120 B	100	80-120	QCS	
I140326A	FLUORIDE	2.57	2.50	mg/L	300.0	103	90-110	QCS	
	NITRATE-N	2.43	2.50	mg/L	300.0	97	80-120		
	CHLORIDE	30	30.00	mg/L	300.0	100	80-120		
	SULFATE	30.8	30.00	mg/L	300.0	103	80-120		
TDS_140328	TOTAL DISSOLVED SOLIDS (TDS)	478	500	mg/L	SM2540 C	96	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	478	500	mg/L	SM2540 C	96	80-120		
TDS_140328	TOTAL DISSOLVED SOLIDS (TDS)	468	500	mg/L	SM2540 C	94	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	468	500	mg/L	SM2540 C	94	80-120		

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 FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-05114
Report Date: 04/15/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier	Type*
TDS_140401	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120		
TDS_140401	TOTAL DISSOLVED SOLIDS (TDS)	492	500	mg/L	SM2540 C	98	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	492	500	mg/L	SM2540 C	98	80-120		
TPHOS-140327	TOTAL PHOSPHORUS	0.106	0.102	mg/L	SM4500-P F	104	70-130	QCS	
turb_140326	TURBIDITY	1.02	1.00	NTU	180.1	102	70-130	QCS	

***Notation:**

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FORM: QC Independent



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**SAMPLE DEPENDENT
 QUALITY CONTROL REPORT**
 Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-05114

Report Date: 4/15/2014

Duplicate

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	
				Result					Qualifier	Type
8081B_140401										
	12678	DECACHLOROBIPHENYL (Surr)	75	82		%	8.9	0-35		DUP
	12678	TETRACHLORO-M-XYLENE (Surr)	112	109		%	2.7	0-35		DUP
8151W_140401										
	12680	TOTAL DCPA	0.15	0.10J		ug/L	40.0	0-35	EV	DUP
	12680	2,4 - DCAA (Surr)	80	108		%	29.8	0-35		DUP
COLOR_140326										
	12681	COLOR	6	6		Color Units	0.0	0-45		DUP
I140326A										
	12681	CHLORIDE	39	39		mg/L	0.0	0-45		DUP
	12681	FLUORIDE	0.18	0.2		mg/L	10.5	0-20		DUP
	12681	NITRATE-N	11.63	11.65		mg/L	0.2	0-45		DUP
	12681	SULFATE	38	38		mg/L	0.0	0-45		DUP
ODOR_140326										
ph_140326										
	12680	HYDROGEN ION (pH)	7.45	7.45		pH Units	0.0	0-50		DUP
TDS_140328										
	12677	TOTAL DISSOLVED SOLIDS (TDS)	84	92		mg/L	9.1	0-50		DUP
	12677	TOTAL DISSOLVED SOLIDS (TDS)	84	92		mg/L	9.1	0-45		DUP
turb_140326										
	12681	TURBIDITY	11.4	11.6		NTU	1.7	0-50		DUP

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NA = Indicates %RPD could not be calculated

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Matrix Spike

Batch	Sample	Analyte	Result	Duplicate			Percent Recovery				QC			
				Spike Result	Spike Result	Spike Conc	MS	MSD	Limits*	%RPD	Limits*	Qualifier	Type	Comments
8081B_140401														
	12677	ALDRIN	ND	0.27		0.25	ug/L	108	NA	68-128	NA	0-30		LFM
	12677	BHC, ALPHA -	ND	0.25		0.25	ug/L	100	NA	37-134	NA	0-30		LFM
	12677	BHC, BETA -	ND	0.2		0.25	ug/L	80	NA	17-147	NA	0-30		LFM
	12677	LINDANE (BHC - GAMMA)	ND	0.21		0.25	ug/L	84	NA	19-140	NA	0-30		LFM
	12677	BHC, DELTA -	ND	0.26		0.25	ug/L	104	NA	32-127	NA	0-30		LFM
	12677	ALPHA-CHLORDANE	ND	0.25		0.25	ug/L	100	NA	70-130	NA	0-30		LFM
	12677	GAMMA-CHLORDANE	ND	0.25		0.25	ug/L	100	NA	74-124	NA	0-30		LFM
	12677	4,4' - DDT	ND	0.255		0.25	ug/L	102	NA	56-158	NA	0-30		LFM
	12677	4,4' - DDE	ND	0.22		0.25	ug/L	88	NA	73-127	NA	0-30		LFM
	12677	4,4' - DDD	ND	0.245		0.25	ug/L	98	NA	78-132	NA	0-30		LFM
	12677	DIELDRIN	ND	0.26		0.25	ug/L	104	NA	74-134	NA	0-30		LFM
	12677	ENDOSULFAN I	ND	0.23		0.25	ug/L	92	NA	67-133	NA	0-30		LFM
	12677	ENDOSULFAN II	ND	0.29		0.25	ug/L	116	NA	64-142	NA	0-30		LFM
	12677	ENDOSULFAN SULFATE	ND	0.27		0.25	ug/L	108	NA	71-143	NA	0-30		LFM
	12677	ENDRIN	ND	0.295		0.25	ug/L	118	NA	30-147	NA	0-30		LFM
	12677	ENDRIN ALDEHYDE	ND	0.23		0.25	ug/L	92	NA	78-110	NA	0-30		LFM
	12677	ENDRIN KETONE	ND	0.29		0.25	ug/L	116	NA	70-130	NA	0-30		LFM
	12677	HEPTACHLOR	ND	0.285		0.25	ug/L	114	NA	61-133	NA	0-30		LFM
	12677	HEPTACHLOR EPOXIDE "B"	ND	0.27		0.25	ug/L	108	NA	73-127	NA	0-30		LFM
	12677	METHOXYCHLOR	ND	0.32		0.25	ug/L	128	NA	41-157	NA	0-30		LFM
	12677	DECACHLOROBIPHENYL (Surr)	79	86		%		NA	NA	58-132	NA	0-30		LFM
	12677	TETRACHLORO-M-XYLENE (Surr)	110	111		%		NA	NA	67-115	NA	0-30		LFM
8151W_140401														
	12677	PICLORAM	ND	2.16		2.3	ug/L	94	NA	48-114	NA	0-30		LFM
	12677	3,5 - DICHLOROBENZOIC ACID	ND	2.28		2.3	ug/L	99	NA	70-130	NA	0-30		LFM
	12677	BENTAZON	ND	4.46		4.6	ug/L	97	NA	67-121	NA	0-30		LFM
	12677	TOTAL DCPA	ND	1.8		2.3	ug/L	78	NA	48-168	NA	0-30		LFM
	12677	DALAPON	ND	26.2		29.9	ug/L	88	NA	53-142	NA	0-30		LFM
	12677	2,4 DB	ND	19.4		18.4	ug/L	105	NA	49-134	NA	0-30		LFM
	12677	DINOSEB	ND	4.04		4.6	ug/L	88	NA	73-127	NA	0-30		LFM
	12677	DICAMBA	ND	2.3		2.3	ug/L	100	NA	66-126	NA	0-30		LFM
	12677	DICHLORPROP	ND	6.76		6.9	ug/L	98	NA	63-123	NA	0-30		LFM
	12677	2,4 - D	ND	4.44		4.6	ug/L	97	NA	60-120	NA	0-30		LFM
	12677	PENTACHLOROPHENOL	ND	2.16		2.3	ug/L	94	NA	69-123	NA	0-30		LFM

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Matrix Spike

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				Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	12677	2,4,5 - TP (SILVEX)	ND	2.3	2.3	ug/L	100	NA	68-122	NA	0-30		LFM	
	12677	2,4,5 T	ND	2.26	2.3	ug/L	98	NA	62-128	NA	0-30		LFM	
	12677	MCPA	ND	1.95	2.3	ug/L	85	NA	49-121	NA	0-30		LFM	
	12677	MCPP	ND	1.91	2.3	ug/L	83	NA	48-126	NA	0-30		LFM	
	12677	ACIFLUORFEN	ND	2.13	2.3	ug/L	93	NA	65-125	NA	0-30		LFM	
	12677	TRICLOPYR	ND	2.13	2.3	ug/L	93	NA	65-135	NA	0-30		LFM	
	12677	2,4 - DCAA (SURR)	65	100		%		NA	61-129	NA	0-30		LFM	
8260W_140407														
	12677	1,2-DIBROMO-3-CHLOROPROPANE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	12677	TRANS - 1,2 - DICHLOROETHENE	ND	4.2	4	ug/L	105	NA	70-130	NA	0-60		LFM	
	12677	1,1 - DICHLOROETHANE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	12677	2,2 - DICHLOROPROPANE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	12677	CIS - 1,2 - DICHLOROETHENE	ND	4.1	4	ug/L	103	NA	70-130	NA	0-60		LFM	
	12677	BROMOCHLOROMETHANE	ND	4.5	4	ug/L	113	NA	70-130	NA	0-60		LFM	
	12677	CHLOROFORM	ND	4.9	4	ug/L	123	NA	70-130	NA	0-60		LFM	
	12677	1,1,1 - TRICHLOROETHANE	ND	4.7	4	ug/L	118	NA	70-130	NA	0-60		LFM	
	12677	1,1 - DICHLOROPROPENE	ND	3.8	4	ug/L	95	NA	70-130	NA	0-60		LFM	
	12677	CARBON TETRACHLORIDE	ND	4.8	4	ug/L	120	NA	70-130	NA	0-60		LFM	
	12677	BENZENE	ND	4.4	4	ug/L	110	NA	70-130	NA	0-60		LFM	
	12677	DICHLORODIFLUOROMETHANE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	1,2 - DICHLOROETHANE	ND	5.1	4	ug/L	128	NA	70-130	NA	0-60		LFM	
	12677	TRICHLOROETHENE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	1,2 - DICHLOROPROPANE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	DIBROMOMETHANE	ND	4.9	4	ug/L	123	NA	70-130	NA	0-60		LFM	
	12677	BROMODICHLOROMETHANE	ND	5.0	4	ug/L	125	NA	70-130	NA	0-60		LFM	
	12677	CIS - 1,3 - DICHLOROPROPENE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	TOLUENE	ND	3.7	4	ug/L	93	NA	70-130	NA	0-60		LFM	
	12677	TRANS - 1,3 - DICHLOROPROPENE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	CHLOROMETHANE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	1,1,2 - TRICHLOROETHANE	ND	4.8	4	ug/L	120	NA	70-130	NA	0-60		LFM	
	12677	TETRACHLOROETHYLENE	ND	4.2	4	ug/L	105	NA	70-130	NA	0-60		LFM	
	12677	1,3 - DICHLOROPROPANE	ND	4.4	4	ug/L	110	NA	70-130	NA	0-60		LFM	
	12677	DIBROMOCHLOROMETHANE	ND	5.0	4	ug/L	125	NA	70-130	NA	0-60		LFM	
	12677	CHLOROBENZENE	ND	4.2	4	ug/L	105	NA	70-130	NA	0-60		LFM	
	12677	1,1,1,2 - TETRACHLOROETHANE	ND	4.5	4	ug/L	113	NA	70-130	NA	0-60		LFM	

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FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	12677	ETHYLBENZENE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	M,P- XYLENE	ND	8.4	8	ug/L	105	NA	70-130	NA	0-60		LFM	
	12677	VINYL CHLORIDE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	12677	O - XYLENE	ND	3.8	4	ug/L	95	NA	70-130	NA	0-60		LFM	
	12677	STYRENE	ND	3.6	4	ug/L	90	NA	70-130	NA	0-60		LFM	
	12677	BROMOFORM	ND	4.7	4	ug/L	118	NA	70-130	NA	0-60		LFM	
	12677	ISOPROPYLBENZENE	ND	3.7	4	ug/L	93	NA	70-130	NA	0-60		LFM	
	12677	1,2,3 - TRICHLOROPROPANE	ND	4.9	4	ug/L	123	NA	70-130	NA	0-60		LFM	
	12677	BROMOBENZENE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	1,1,2,2 - TETRACHLOROETHANE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	12677	O - CHLOROTOLUENE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	N - PROPYLBENZENE	ND	3.7	4	ug/L	93	NA	70-130	NA	0-60		LFM	
	12677	1,3,5 - TRIMETHYLBENZENE	ND	4.4	4	ug/L	110	NA	70-130	NA	0-60		LFM	
	12677	BROMOMETHANE	ND	4.1	4	ug/L	103	NA	70-130	NA	0-60		LFM	
	12677	P - CHLOROTOLUENE	ND	4.0	4	ug/L	100	NA	70-130	NA	0-60		LFM	
	12677	TERT - BUTYLBENZENE	ND	3.9	4	ug/L	98	NA	70-130	NA	0-60		LFM	
	12677	1,2,4 - TRIMETHYLBENZENE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	SEC - BUTYLBENZENE	ND	4.1	4	ug/L	103	NA	70-130	NA	0-60		LFM	
	12677	1,3 - DICHLOROBENZENE (meta)	ND	4.2	4	ug/L	105	NA	70-130	NA	0-60		LFM	
	12677	P - ISOPROPYLTOLUENE	ND	4.4	4	ug/L	110	NA	70-130	NA	0-60		LFM	
	12677	1,4 - DICHLOROBENZENE (para)	ND	4.7	4	ug/L	118	NA	70-130	NA	0-60		LFM	
	12677	1,2 - DICHLOROBENZENE (ortho)	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	N - BUTYLBENZENE	ND	4.1	4	ug/L	103	NA	70-130	NA	0-60		LFM	
	12677	CHLOROETHANE	ND	4.9	4	ug/L	123	NA	70-130	NA	0-60		LFM	
	12677	1,2,4 - TRICHLOROBENZENE	ND	4.1	4	ug/L	103	NA	70-130	NA	0-60		LFM	
	12677	HEXACHLOROBUTADIENE	ND	4.5	4	ug/L	113	NA	70-130	NA	0-60		LFM	
	12677	NAPHTHALENE	ND	3.4	4	ug/L	85	NA	70-130	NA	0-60		LFM	
	12677	1,2,3 - TRICHLOROBENZENE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	TRICHLOROFLUOROMETHANE	ND	5.0	4	ug/L	125	NA	70-130	NA	0-60		LFM	
	12677	1,1 - DICHLOROETHYLENE	ND	4.3	4	ug/L	108	NA	70-130	NA	0-60		LFM	
	12677	METHYLENE CHLORIDE	ND	4.6	4	ug/L	115	NA	70-130	NA	0-60		LFM	
	12677	METHYL TERT-BUTYL ETHER	ND	4.2	4	ug/L	105	NA	70-130	NA	0-60		LFM	
	12677	d8-TOLUENE (Surr)	101	103		%		NA		NA			LFM	
I140326A	12681	FLUORIDE	0.18	1.11	1.00	mg/L	93	NA	90-110	NA	0-20		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery			Limits*	%RPD	Limits*	QC Qualifier	Type	Comments
				Spike Result	Spike Result			MS	MSD							
	12681	SULFATE	38	40		2.00	mg/L	100	NA	80-120	NA	0-60		LFM		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 14-05114
Report Date: 04/14/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081B_140401 12677	DECACHLOROBIPHENYL (Surr)	79		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	110		%		Acceptance Limits 67-115%
8151W_140401 12677	2,4 - DCAA (Surr)	65		%	8151A	Acceptance Range 61-129%
8260W_140407 12677	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range is 70-130%
8081B_140401 12678	DECACHLOROBIPHENYL (Surr)	75		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	112		%		Acceptance Limits 67-115%
8151W_140401 12678	2,4 - DCAA (Surr)	66		%	8151A	Acceptance Range 61-129%
8260W_140407 12678	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range is 70-130%
8081B_140401 12679	DECACHLOROBIPHENYL (Surr)	78		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	105		%		Acceptance Limits 67-115%
8151W_140401 12679	2,4 - DCAA (Surr)	90		%	8151A	Acceptance Range 61-129%
8260W_140407 12679	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range is 70-130%
8081B_140401 12680	DECACHLOROBIPHENYL (Surr)	84		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	113		%		Acceptance Limits 67-115%
8151W_140401 12680	2,4 - DCAA (Surr)	80		%	8151A	Acceptance Range 61-129%
8260W_140407 12680	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range is 70-130%
8081B_140401 12681	DECACHLOROBIPHENYL (Surr)	106		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	78		%		Acceptance Limits 67-115%
8151W_140401 12681	2,4 - DCAA (Surr)	95		%	8151A	Acceptance Range 61-129%
8260W_140407 12681	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range is 70-130%

***Notation:**

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-05114

Report Date: 04/15/14

Qualifier	Definition
B2	Non-target analyte detected in method blank and sample, producing interference.
EV	One or more of the results are estimated values, therefore acceptance criteria may not apply.
H3	Sample was received and analyzed past holding time.
HR	High QCS recovery due to increased detector response No sample detections, therefore, no further action taken for this analysis set.
IEV	Acceptance criteria do not apply to estimated values
IJ	An estimated concentration, below calibration curve but above method detection limit.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
N1	See case narrative.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Ref # 14-05114
City: Milton-Freewr St: OR Zip: 97862	City: St: Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> MIC <input type="checkbox"/> A/E Expires	<input type="checkbox"/> RCRA / CERCLA
Project: Water Quality	Card#:	<input type="checkbox"/> Other

22050
ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7602)
 8150 SW Pioneer Ct Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Field ID	Location	Turn Around Time Required			Grab/Comp.	Sample Matrix*	Date	Time	Analyses Requested							Number of Containers	Special Instructions Conditions on Receipt		
		Standard	Half-time (50% surcharge)	Quickest (100% surcharge) Phone Call Req.					Emergency (Phone Call Req.)	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate			Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)
1	Trance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		ESW	3/25/14	8:14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Bottle 8081 received broken
2	Steven Pond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: Steven Patten		Phone: 541-938-2170		FAX: Same		Email: SEE ABOVE		Total Containers											

DRAPP
2013
MAX DETECTION LIMITS
CHECK FOR

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes	No	N/A
STEVEN PATTEN	3-25-14	13:30	WPS	3/26/14	09:30	Sample temp <u>4</u> C satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Copy M035			Samples received intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:		
City: Milton-Freewe Sr. OR zip: 97862	City: St. Zip:	<input type="checkbox"/> Check Regulatory Program	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA	
Project: Water Quality	Card#:	<input type="checkbox"/> Other	

22050

EPA ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wiltonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	FRANK		SW	3/25/14	8:14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	STEVEN PATTEN		SW			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Same Email: SVE ABOVE											Total Containers	

Sample Receipt Request (Must include FAX or Email)

* W - water DW - drinking water
 SW - surface water GW - Ground water
 WW - waste water S - soil

OL - oil Other _____

Relinquished by	Date	Time	Received by	Date	Time
-----------------	------	------	-------------	------	------

STEVEN PATTEN 3-25-14 13:30 WPS

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #
Ship Address: 810 S Main Street	Address:	For Lab Use Only
City: Milton-Freewe; St. OR Zip: 97862	City: St. Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O. #: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires	<input type="checkbox"/> RCRA / CERCLA
Project: Water Quality	Card#:	<input type="checkbox"/> Other



22050
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wilsonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually. (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard

Half-time (50% surcharge)

Quickest (100% surcharge) Phone Call Req.

Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	6U-146		6U	3/25/14	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	6U-147		6U	3/25/14	12:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: <u>STEVEN PATTEN</u> Phone: <u>541-938-2170</u> FAX: <u>SAME</u> Email: <u>SEP ASSURE</u>														Total Containers	

Sample Receipt Request (Must include FAX or Email)

* W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
<u>STEVEN PATTEN</u>	<u>3-25-14</u>	<u>13:30</u>	<u>WPS</u>		

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	
City: Milton-Freewr St. OR Zip: 97862	City:	St:	<input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone:	FAX:	
Phone: 541.938-2170 FAX:	P.O.#:	Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires	
Project: Water Quality	Card#:		

22050

EPA

ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Field ID	Location	Turn Around Time Required		Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
		<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)											

1	EW-146	STEVEN PATTEN	EW	EW	3/25/14	10:15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	EW-147	STEVEN PATTEN	EW	EW	3/25/14	12:20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3														
4														
5														
6														
7														
8														
9														
10														

Check MAY 2013
 FOR LEADERS

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil Other _____

Relinquished by	Date	Time	Received by	Date	Time
<u>STEVEN PATTEN</u>	<u>3/25/14</u>	<u>13:30</u>	<u>WRS</u>	<u>3/26/14</u>	<u>09:30</u>

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree



CO022050

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #
Ship Address: 810 S Main Street	Address:	For Lab Use Only
City: Milton-Freewe St. OR zip: 97862	City: St: Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA
Project: Water Quality	Card#:	<input type="checkbox"/> Other

22050

ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W/Wiltonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	6W-136		6W	3/25/14	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	6W-145		6W	3/25/14	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3															
4															
5															
6															
7															
8															
9															
10															
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Same Email: SPATTEN@WWBWC.ORG														Total Containers	

CHECK WATER DETECTIONS FOR LEADS

Sample Receipt Request (Must include FAX or Email)

* W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
Steven Patten	3-25-14	13:33	WRS	3/26/14	09:30

Custody seals intact Yes No N/A

Sample temp 4 C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref #	
City:	Milton-Freewe St. OR zip: 97862	City:		Check Regulatory Program	
Attn:	Steven Patten	Phone:		<input type="checkbox"/> Safe Drinking Water Act	
Phone:	541.938-2170 FAX:	P.O.#:		<input type="checkbox"/> Clean Water Act	
Email:	steven.patten@wwbwc.org	Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/>		<input type="checkbox"/> RCRA / CERCLA	
Project:	Water Quality	Card#:		<input type="checkbox"/> Other	

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Turn Around Time Required		Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
						<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)							
1	GLW-136		Sevens Pond	11:52	11:52	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	GLW-115		Sevens Pond	11:10	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Total Containers														



EMTEC ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Wanur St. Burlington, WA 98233
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 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Sampled by: Steven Patten Phone: 541-938-2170 FAX: 541-938-2170 Email: See Above

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by: Steven Patten Date: 3-28-11 Time: 13:30 Received by: UPS Date: _____ Time: _____

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com



Professional
Analytical
Services

ANALYSIS REPORT

Edge Analytical
1620 S. Walnut
Burlington, WA 98233
Attention: Fran
Project #: 14-05114

Date Received: 03/27/14
Date Reported: 3/28/14

All results reported on an as received basis.

AMTEST Identification Number 14-A004309
Client Identification 12677
Sampling Date 03/25/14, 08:40

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004310
Client Identification 12678
Sampling Date 03/25/14, 10:15

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004311
Client Identification 12679
Sampling Date 03/25/14, 12:40

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	0.038	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004312
Client Identification 12680
Sampling Date 03/25/14, 11:50

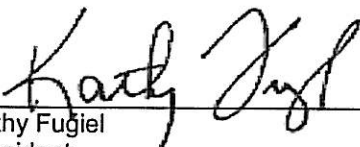
Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004313
Client Identification 12681
Sampling Date 03/25/14, 11:10

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14



Kathy Fugiel
President

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com



Professional
Analytical
Services

ANALYSIS REPORT

Edge Analytical
1620 S. Walnut
Burlington, WA 98233
Attention: Fran
Project #: 14-05114
All results reported on an as received basis.

Date Received: 03/27/14
Date Reported: 3/28/14

AMTEST Identification Number 14-A004309
Client Identification 12677
Sampling Date 03/25/14, 08:40

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004310
Client Identification 12678
Sampling Date 03/25/14, 10:15

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004311
Client Identification 12679
Sampling Date 03/25/14, 12:40

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	0.038	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004312
Client Identification 12680
Sampling Date 03/25/14, 11:50

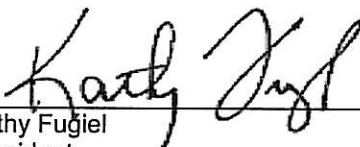
Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14

AMTEST Identification Number 14-A004313
Client Identification 12681
Sampling Date 03/25/14, 11:10

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	EB	03/27/14


Kathy Fugiel
President

Am Test Inc.
 13600 NE 126th PL
 Suite C
 Kirkland, WA, 98034
 (425) 885-1664
 www.amtestlab.com



*Professional
 Analytical
 Services*

QC Summary for sample numbers: 14-A004309 to 14-A004313

MATRIX SPIKES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	SMPL+ SPK	SPK AMT	RECOVERY
14-A004313	Surfactants	mg/l	< 0.025	0.129	0.125	103.20 %
14-A004313	Surfactants	mg/l	< 0.025	0.119	0.125	95.20 %

MATRIX SPIKE DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE + SPK	MSD VALUE	RPD
Spike	Surfactants	mg/l	0.129	0.119	8.1

STANDARD REFERENCE MATERIALS

ANALYTE	UNITS	TRUE VALUE	MEASURED VALUE	RECOVERY
Surfactants	mg/l	0.125	0.122	97.6 %

BLANKS

ANALYTE	UNITS	RESULT
Surfactants	mg/l	< 0.025



Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.0295 / 360.757.1400

Bellingham WA
Microbiology
605 Orchard Dr Ste 4 - 98225
360.671.0639


Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W - 97070
503.682.7002


Subcontract Work Order

Laboratory Name: **AM TEST INC.**
13600 NE 126th Place, Ste C
Kirkland, WA 98034

Date: 3/26/2014
Reference Number: **14-05114**
Date Due: **4/9/2014**

Lab Number: 12677	4309	Matrix: SW	Date Sampled: 3/25/2014 08:40
Analyte Name		Units	PQL
Analytical Method	SM5540 C		
SURFACTANTS		mg/L	0.05
Lab Number: 12678	4310	Matrix: W	Date Sampled: 3/25/2014 10:15
Analyte Name		Units	PQL
Analytical Method	SM5540 C		
SURFACTANTS		mg/L	0.05
Lab Number: 12679	4311	Matrix: W	Date Sampled: 3/25/2014 12:40
Analyte Name		Units	PQL
Analytical Method	SM5540 C		
SURFACTANTS		mg/L	0.05
Lab Number: 12680	4312	Matrix: W	Date Sampled: 3/25/2014 11:50
Analyte Name		Units	PQL
Analytical Method	SM5540 C		
SURFACTANTS		mg/L	0.05
Lab Number: 12681	4313	Matrix: W	Date Sampled: 3/25/2014 11:10
Analyte Name		Units	PQL
Analytical Method	SM5540 C		
SURFACTANTS		mg/L	0.05


Relinquished By
MAR 26 2014
Date Time

 AmTest
Received By
3/27/14 1:00 pm
Date Time

T = 7.2^{ac}

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Ref # <u>14-05114</u>
City: Milton-Freewr St: OR Zip: 97862	City: St: Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> MIC <input type="checkbox"/> A/E <input type="checkbox"/> Expires	<input type="checkbox"/> RCRA / CERCLA
Project: Water Quality	Card#:	<input type="checkbox"/> Other

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7602)
 8150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Field ID	Location	Turn Around Time Required			Grab/Comp.	Sample Matrix*	Date	Time	Analyses Requested						Number of Containers	Special Instructions Conditions on Receipt
		<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)	<input type="checkbox"/> Quickest (100% surcharge) Phone Call Req.					<input type="checkbox"/> Emergency (Phone Call Req.)	8081 (Chlorinated Pesticides) <u>N</u>	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn		

1	IRANCE	STEVEN PATTEN	6035	3/25/14	8:14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Bottle 8081 received broken
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
Sampled by: Steven Patten Phone: 541-938-2170 FAX: Same Email: SEE ABOVE															Total Containers		

Handwritten notes:
 DRAPP
 2013
 CHECK MAX DETECTOR
 FOR LIMITS

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
STEVEN PATTEN	3-25-14	13:30	WPS	3/26/14	09:30	Sample temp <u>4</u> C satisfactory	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
			Copy M035			Samples received intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
						Chain of custody & labels agree	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>



Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:		
City: Milton-Freewe Sr. OR zip: 97862	City: St. Zip:	<input type="checkbox"/> Check Regulatory Program	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA	
Project: Water Quality	Card#:	<input type="checkbox"/> Other	

EPD
ANALYTICAL
LABORATORIES

22050

1620 South Walnut St. Burlington, WA 98233
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805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wiltonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	FRANK		SW	3/25/14	8:14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	STEVEN PATTEN		SW			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Same Email: SVE ABOVE											Total Containers	

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Yes	No	N/A
STEVEN PATTEN	3-25-14	13:30	WPS			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Custody seals intact C satisfactory Samples received intact Chain of custody & labels agree

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only Ref #
Ship Address: 810 S Main Street	Address:	
City: Milton-Freewe; St: OR Zip: 97862	City: St: Zip:	Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone: FAX: Attn:	
Phone: 541.938-2170 FAX:	P.O. #:	Expires /
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	
Project: Water Quality	Card#:	

22050

ANALYTICAL LABORATORIES

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9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)
<input type="checkbox"/> Quickest (100% surcharge) Phone Call Req.	<input type="checkbox"/> Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	6U-146		6U	3/25/14	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	6U-147		6U	3/25/14	12:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEP ASSUVE														Total Containers	

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
STEVEN PATTEN	3-25-14	13:30	WPS		

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree



Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	
City: Milton-Freewr St. OR Zip: 97862	City:	St:	<input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone:	FAX:	
Phone: 541.938-2170 FAX:	P.O.#:	Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires	
Project: Water Quality	Card#:		

22050

ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
1	ELU-146		ELU	3/25/14	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2	ELU-147		ELU	3/25/14	12:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: <u>STEVEN PATTEN</u> Phone: <u>541-938-2170</u> FAX: <u>SAME</u> Email: <u>STEVE@WVBS</u>											Total Containers	

Check MAY 2013
 FOR LEADERS

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water

SW - surface water GW - Ground water WW - waste water OL - oil Other _____

Relinquished by	Date	Time	Received by	Date	Time
STEVEN PATTEN	3/25/14	13:30	WRS	3/26/14	09:30

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory

Samples received intact

Chain of custody & labels agree



CO022050

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #
Ship Address: 810 S Main Street	Address:	For Lab Use Only
City: Milton-Freewe St. OR zip: 97862	City: St: Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA
Project: Water Quality	Card#:	<input type="checkbox"/> Other

22050

ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W/Wiltonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8151	8260	8260 Field Blank (VOCs)	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Number of Containers	Special Instructions Conditions on Receipt
1	6W-136		6W	3/25/14	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	6W-145		6W	3/25/14	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Same Email: SPATTEN@WWBWC.ORG														Total Containers	

CHECK WATER DETECTIONS FOR LEADS

Sample Receipt Request (Must include FAX or Email)

* W - water
DW - drinking water

SW - surface water
GW - Ground water

WW - waste water
S - soil

OL - oil
Other _____

Relinquished by	Date	Time	Received by	Date	Time
Steven Patten	3-25-14	13:33	WRS	3/26/14	09:30

Custody seals intact Yes No N/A

Sample temp 4 C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A



Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only	
Ship Address:	810 S Main Street	Address:		Ref #	
City:	Milton-Freewe St. OR zip: 97862	City:		Check Regulatory Program	
Attn:	Steven Patten	Phone:		<input type="checkbox"/> Safe Drinking Water Act	
Phone:	541.938-2170 FAX:	P.O.#:		<input type="checkbox"/> Clean Water Act	
Email:	steven.patten@wwbwc.org	Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/>		<input type="checkbox"/> RCRA / CERCLA	
Project:	Water Quality	Card#:		<input type="checkbox"/> Other	

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Turn Around Time Required		Nitrate as N, Turbidity, Corrosivity	Odor	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	Number of Containers	Special Instructions Conditions on Receipt
						<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)							
1	GLW-136		Sevens Pond	11:50	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	GLW-115		Sevens Pond	11:10	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: <u>Steven Patten</u> Phone: <u>541-938-2170</u> FAX: <u>same</u> Email: <u>See Above</u>													Total Containers	



EMTEC ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Wanur St. Burlington, WA 98233
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 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by: Steven Patten Date: 3-28-11 Time: 13:30 Received by: UPS

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

April 12, 2014

Vista Project I.D.: 1400232

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 26, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400232

Case Narrative

Sample Condition on Receipt:

Six groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	36
Certifications.....	37
Sample Receipt.....	38

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400232-01	Intake	25-Mar-14 08:30	26-Mar-14 09:59	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400232-02	GW-136	25-Mar-14 11:55	26-Mar-14 09:59	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400232-03	GW-145	25-Mar-14 11:15	26-Mar-14 09:59	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400232-04	GW-146	25-Mar-14 10:25	26-Mar-14 09:59	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400232-05	GW-147	25-Mar-14 12:45	26-Mar-14 09:59	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400232-06	Intake DUP	25-Mar-14 08:35	26-Mar-14 09:59	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4C0111	Lab Sample: B4C0111-BLK1
Sample Size: 1.00 L	Date Extracted: 31-Mar-2014 9:20	Date Analyzed: 04-Apr-14 18:12 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	2.81			PCB-43/49	ND	1.30		
PCB-2	ND	3.09			PCB-44	ND	1.45		
PCB-3	ND	3.02			PCB-45	ND	1.46		
PCB-4/10	ND	9.74			PCB-46	ND	1.62		
PCB-5/8	ND	8.29			PCB-47	ND	1.23		
PCB-6	ND	8.34			PCB-48/75	ND	0.992		
PCB-7/9	ND	8.24			PCB-50	ND	1.35		
PCB-11	9.93			J	PCB-51	ND	1.21		
PCB-12/13	ND	7.74			PCB-52/69	1.50			J
PCB-14	ND	6.48			PCB-53	ND	1.19		
PCB-15	ND	7.56			PCB-54	ND	1.02		
PCB-16/32	ND	1.41			PCB-55	ND	0.873		
PCB-17	ND	0.918			PCB-56/60	0.983			J
PCB-18	ND	0.987			PCB-57	ND	0.882		
PCB-19	ND	1.08			PCB-58	ND	0.932		
PCB-20/21/33	ND	1.55			PCB-61/70	1.04			J
PCB-22	ND	0.905			PCB-62	ND	1.00		
PCB-23	ND	0.888			PCB-63	ND	0.901		
PCB-24/27	ND	0.692			PCB-65	ND	0.994		
PCB-25	ND	0.974			PCB-67	ND	0.974		
PCB-26	ND	1.02			PCB-68	ND	0.899		
PCB-28	ND	1.39			PCB-73	ND	0.975		
PCB-29	ND	0.972			PCB-74	ND	0.819		
PCB-30	ND	0.718			PCB-76/66	ND	0.866		
PCB-31	ND	1.68			PCB-77	ND		0.585	
PCB-34	ND	0.989			PCB-78	ND	0.952		
PCB-35	ND	0.781			PCB-79	ND	0.931		
PCB-36	ND	0.767			PCB-80	ND	0.780		
PCB-37	ND	1.36			PCB-81	ND	0.829		
PCB-38	ND	0.733			PCB-82	ND	2.14		
PCB-39	ND	0.740			PCB-83	ND	1.33		
PCB-40	ND	1.70			PCB-84/92	ND	1.97		
PCB-41/64/71/72	ND	1.00			PCB-85/116	ND	1.55		
PCB-42/59	ND	1.09			PCB-86	ND	2.06		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0111
Date Extracted: 31-Mar-2014 9:20Lab Sample: B4C0111-BLK1
Date Analyzed: 04-Apr-14 18:12 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.35			PCB-133/142	ND	1.13		
PCB-88/91	ND	1.98			PCB-134/143	ND	1.11		
PCB-89	ND	2.03			PCB-135	ND	2.05		
PCB-90/101	ND	1.72			PCB-136	ND	1.46		
PCB-93	ND	1.93			PCB-137	ND	1.03		
PCB-94	ND	1.95			PCB-138/163/164	ND	0.887		
PCB-95/98/102	ND	1.81			PCB-139/149	ND	1.78		
PCB-96	ND	1.51			PCB-140	ND	2.04		
PCB-97	ND	1.66			PCB-141	ND	1.11		
PCB-99	ND	1.64			PCB-144	ND	1.91		
PCB-100	ND	1.63			PCB-145	ND	1.32		
PCB-103	ND	1.75			PCB-146/165	ND	0.863		
PCB-104	ND	1.28			PCB-147	ND	1.86		
PCB-105	ND	1.03			PCB-148	ND	1.85		
PCB-106/118	ND	1.29			PCB-150	ND	1.36		
PCB-107/109	ND	1.24			PCB-151	ND	1.99		
PCB-108/112	ND	1.61			PCB-152	ND	1.33		
PCB-110	ND	1.26			PCB-153	ND	0.877		
PCB-111/115	ND	1.20			PCB-154	ND	1.72		
PCB-113	ND	1.44			PCB-155	ND	1.26		
PCB-114	ND	1.15			PCB-156	ND	0.820		
PCB-119	ND	1.20			PCB-157	ND	0.872		
PCB-120	ND	1.17			PCB-158/160	ND	0.857		
PCB-121	ND	1.31			PCB-159	ND	0.860		
PCB-122	ND	1.27			PCB-166	ND	0.833		
PCB-123	ND	1.33			PCB-167	ND	0.789		
PCB-124	ND	1.19			PCB-168	ND	0.760		
PCB-126	ND	1.19			PCB-169	ND	0.812		
PCB-127	ND	1.16			PCB-170	ND	0.914		
PCB-128/162	ND	0.946			PCB-171	ND	0.849		
PCB-129	ND	1.26			PCB-172	ND	0.947		
PCB-130	ND	1.20			PCB-173	ND	1.01		
PCB-131	ND	1.18			PCB-174	ND	0.843		
PCB-132/161	ND	0.914			PCB-175	ND	0.922		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Aqueous		QC Batch: B4C0111			Lab Sample: B4C0111-BLK1				
Sample Size: 1.00 L		Date Extracted: 31-Mar-2014 9:20			Date Analyzed: 04-Apr-14 18:12 Column: ZB-1 Analyst: DMS				
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.671			Total triCB	ND	1.68		
PCB-177	ND	0.910			Total tetraCB	3.52		4.10	J
PCB-178	ND	0.977			Total pentaCB	ND	2.14		
PCB-179	ND	0.693			Total hexaCB	ND	2.05		
PCB-180	ND	0.830			Total heptaCB	ND	1.01		
PCB-181	ND	0.819			Total octaCB	ND	1.42		
PCB-182/187	ND	0.855			Total nonaCB	ND	1.00		
PCB-183	ND	0.832			DecaCB	ND	0.746		
PCB-184	ND	0.720			Total PCB	13.4			
PCB-185	ND	0.846							
PCB-186	ND	0.674							
PCB-188	ND	0.618							
PCB-189	ND	0.482							
PCB-190	ND	0.653							
PCB-191	ND	0.692							
PCB-192	ND	0.724							
PCB-193	ND	0.674							
PCB-194	ND	0.718							
PCB-195	ND	0.720							
PCB-196/203	ND	1.26							
PCB-197	ND	0.989							
PCB-198	ND	1.42							
PCB-199	ND	1.32							
PCB-200	ND	1.03							
PCB-201	ND	0.967							
PCB-202	ND	0.982							
PCB-204	ND	1.04							
PCB-205	ND	0.596							
PCB-206	ND	1.00							
PCB-207	ND	0.542							
PCB-208	ND	0.523							
PCB-209	ND	0.746							
Total monoCB	ND	3.09							
Total diCB	9.93			J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4C0111	Lab Sample: B4C0111-BLK1
Sample Size: 1.00 L	Date Extracted: 31-Mar-2014 9:20	Date Analyzed: 04-Apr-14 18:12 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	54.9	5 - 145		13C-PCB-157	84.2	10 - 145	
13C-PCB-3	56.2	5 - 145		13C-PCB-159	85.9	10 - 145	
13C-PCB-4	54.3	5 - 145		13C-PCB-167	89.7	10 - 145	
13C-PCB-11	69.2	5 - 145		13C-PCB-169	97.0	10 - 145	
13C-PCB-9	56.4	5 - 145		13C-PCB-170	80.7	10 - 145	
13C-PCB-19	73.4	5 - 145		13C-PCB-180	78.3	10 - 145	
13C-PCB-28	72.1	5 - 145		13C-PCB-188	69.6	10 - 145	
13C-PCB-32	78.7	5 - 145		13C-PCB-189	97.2	10 - 145	
13C-PCB-37	91.9	5 - 145		13C-PCB-194	71.5	10 - 145	
13C-PCB-47	73.3	5 - 145		13C-PCB-202	69.2	10 - 145	
13C-PCB-52	74.7	5 - 145		13C-PCB-206	61.2	10 - 145	
13C-PCB-54	68.1	5 - 145		13C-PCB-208	60.0	10 - 145	
13C-PCB-70	79.7	5 - 145		13C-PCB-209	54.6	10 - 145	
13C-PCB-77	96.2	10 - 145		CRS 13C-PCB-79	92.1	10 - 145	
13C-PCB-80	80.1	10 - 145		13C-PCB-178	84.7	10 - 145	
13C-PCB-81	91.1	10 - 145					
13C-PCB-95	78.5	10 - 145					
13C-PCB-97	84.3	10 - 145					
13C-PCB-101	81.5	10 - 145					
13C-PCB-104	77.9	10 - 145					
13C-PCB-105	80.9	10 - 145					
13C-PCB-114	78.2	10 - 145					
13C-PCB-118	88.6	10 - 145					
13C-PCB-123	92.4	10 - 145					
13C-PCB-126	89.9	10 - 145					
13C-PCB-127	83.5	10 - 145					
13C-PCB-138	82.1	10 - 145					
13C-PCB-141	82.1	10 - 145					
13C-PCB-153	80.7	10 - 145					
13C-PCB-155	78.6	10 - 145					
13C-PCB-156	86.5	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4C0111
Date Extracted: 31-Mar-2014 9:20Lab Sample: B4C0111-BS1
Date Analyzed: 04-Apr-14 15:01 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	930	1000	93.0	60 - 135	IS 13C-PCB-1	54.4	15 - 145
PCB-3	915	1000	91.5	60 - 135	IS 13C-PCB-3	61.4	15 - 145
PCB-4/10	4410	4000	110	60 - 135	IS 13C-PCB-4	56.4	15 - 145
PCB-15	2290	2000	115	60 - 135	IS 13C-PCB-11	71.5	15 - 145
PCB-19	1090	1000	109	60 - 135	IS 13C-PCB-9	58.2	15 - 145
PCB-37	1270	1000	127	60 - 135	IS 13C-PCB-19	80.2	15 - 145
PCB-54	1120	1000	112	60 - 135	IS 13C-PCB-28	80.4	15 - 145
PCB-77	1040	1000	104	60 - 135	IS 13C-PCB-32	82.0	15 - 145
PCB-81	1040	1000	104	60 - 135	IS 13C-PCB-37	97.1	15 - 145
PCB-104	1060	1000	106	60 - 135	IS 13C-PCB-47	78.1	15 - 145
PCB-105	1130	1000	113	60 - 135	IS 13C-PCB-52	79.9	15 - 145
PCB-106/118	2130	2000	106	60 - 135	IS 13C-PCB-54	71.3	15 - 145
PCB-114	1150	1000	115	60 - 135	IS 13C-PCB-70	83.9	15 - 145
PCB-126	1130	1000	113	60 - 135	IS 13C-PCB-77	98.2	40 - 145
PCB-155	1060	1000	106	60 - 135	IS 13C-PCB-80	81.6	40 - 145
PCB-156	968	1000	96.8	60 - 135	IS 13C-PCB-81	97.0	40 - 145
PCB-157	983	1000	98.3	60 - 135	IS 13C-PCB-95	81.0	40 - 145
PCB-167	965	1000	96.5	60 - 135	IS 13C-PCB-97	87.0	40 - 145
PCB-169	943	1000	94.3	60 - 135	IS 13C-PCB-101	85.1	40 - 145
PCB-188	1090	1000	109	60 - 135	IS 13C-PCB-104	77.9	40 - 145
PCB-189	1080	1000	108	60 - 135	IS 13C-PCB-105	76.9	40 - 145
PCB-202	1050	1000	105	60 - 135	IS 13C-PCB-114	74.8	40 - 145
PCB-205	1160	1000	116	60 - 135	IS 13C-PCB-118	91.4	40 - 145
PCB-206	995	1000	99.5	60 - 135	IS 13C-PCB-123	94.3	40 - 145
PCB-208	1030	1000	103	60 - 135	IS 13C-PCB-126	87.2	40 - 145
PCB-209	1070	1000	107	60 - 135	IS 13C-PCB-127	78.8	40 - 145
					IS 13C-PCB-138	86.1	40 - 145
					IS 13C-PCB-141	84.9	40 - 145
					IS 13C-PCB-153	83.3	40 - 145
					IS 13C-PCB-155	80.1	40 - 145
					IS 13C-PCB-156	93.3	40 - 145
					IS 13C-PCB-157	92.6	40 - 145
					IS 13C-PCB-159	89.6	40 - 145
					IS 13C-PCB-167	94.0	40 - 145
					IS 13C-PCB-169	113	40 - 145
					IS 13C-PCB-170	94.7	40 - 145
					IS 13C-PCB-180	89.4	40 - 145
					IS 13C-PCB-188	71.1	40 - 145
					IS 13C-PCB-189	104	40 - 145
					IS 13C-PCB-194	83.8	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4C0111
Date Extracted: 31-Mar-2014 9:20

Lab Sample: B4C0111-BS1
Date Analyzed: 04-Apr-14 15:01 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	78.2	40 - 145
					IS 13C-PCB-206	64.4	40 - 145
					IS 13C-PCB-208	73.4	40 - 145
					IS 13C-PCB-209	58.6	40 - 145
					CRS 13C-PCB-79	102	40 - 145
					CRS 13C-PCB-178	92.9	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-01	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.984 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 8:30					Date Analyzed :	04-Apr-14 20:20 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	4.02			PCB-44	ND		1.95	
PCB-2	ND	3.56			PCB-45	ND	1.90		
PCB-3	ND	3.48			PCB-46	ND	2.10		
PCB-4/10	ND	9.97			PCB-47	4.82			J
PCB-5/8	ND	7.54			PCB-48/75	ND	1.30		
PCB-6	ND	7.58			PCB-50	ND	1.78		
PCB-7/9	ND	7.49			PCB-51	ND	1.57		
PCB-11	ND	6.14			PCB-52/69	3.40			J, B
PCB-12/13	ND	6.51			PCB-53	ND	1.55		
PCB-14	ND	5.45			PCB-54	ND	1.34		
PCB-15	ND	6.36			PCB-55	ND	1.05		
PCB-16/32	ND	1.79			PCB-56/60	1.91			J, B
PCB-17	ND	1.27			PCB-57	ND	1.04		
PCB-18	4.45			J	PCB-58	ND	1.10		
PCB-19	ND	1.95			PCB-61/70	3.13			J, B
PCB-20/21/33	ND	1.15			PCB-62	ND	1.31		
PCB-22	ND	1.09			PCB-63	ND	1.06		
PCB-23	ND	1.18			PCB-65	ND	1.30		
PCB-24/27	ND	1.17			PCB-67	ND	1.15		
PCB-25	ND	1.30			PCB-68	1.22			J
PCB-26	ND	1.35			PCB-73	ND	1.27		
PCB-28	3.71			J	PCB-74	1.11			J
PCB-29	ND	1.29			PCB-76/66	2.07			J
PCB-30	ND	1.30			PCB-77	ND	0.912		
PCB-31	ND		3.77		PCB-78	ND	0.984		
PCB-34	ND	1.32			PCB-79	ND	1.12		
PCB-35	ND	1.17			PCB-80	ND	0.939		
PCB-36	ND	1.15			PCB-81	ND	0.857		
PCB-37	ND		1.99		PCB-82	ND	2.00		
PCB-38	ND	1.09			PCB-83	ND	1.44		
PCB-39	ND	1.10			PCB-84/92	2.12			J
PCB-40	ND	2.22			PCB-85/116	ND	1.68		
PCB-41/64/71/72	2.30			J	PCB-86	ND	2.23		
PCB-42/59	ND		0.869		PCB-87/117/125	1.55			J
PCB-43/49	2.21			J	PCB-88/91	ND	2.06		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-01	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.984 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 8:30					Date Analyzed :	04-Apr-14 20:20 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.99			PCB-136	ND	1.72		
PCB-90/101	4.81			J	PCB-137	ND	1.60		
PCB-93	ND	2.01			PCB-138/163/164	5.81			J
PCB-94	ND	2.03			PCB-139/149	5.65			J
PCB-95/98/102	2.85			J	PCB-140	ND	2.39		
PCB-96	ND	1.71			PCB-141	ND	1.72		
PCB-97	ND	1.20			PCB-144	ND	2.25		
PCB-99	ND	2.03			PCB-145	ND	1.55		
PCB-100	ND	1.85			PCB-146/165	ND	1.40		
PCB-103	ND	1.98			PCB-147	ND	2.19		
PCB-104	ND	1.45			PCB-148	ND	2.18		
PCB-105	1.73			J	PCB-150	ND	1.59		
PCB-106/118	4.03			J	PCB-151	ND	3.42		
PCB-107/109	ND	1.16			PCB-152	ND	1.56		
PCB-108/112	ND	1.74			PCB-153	6.27			
PCB-110	4.44			J	PCB-154	ND	2.02		
PCB-111/115	ND	1.30			PCB-155	ND	1.49		
PCB-113	ND	1.42			PCB-156	0.914			J
PCB-114	ND	1.24			PCB-157	ND	1.22		
PCB-119	ND	1.29			PCB-158/160	ND	1.29		
PCB-120	ND	1.27			PCB-159	ND	1.22		
PCB-121	ND	1.36			PCB-166	ND	1.18		
PCB-122	ND	1.38			PCB-167	ND	1.17		
PCB-123	ND	1.25			PCB-168	ND	1.23		
PCB-124	ND	1.11			PCB-169	ND	1.12		
PCB-126	ND	1.44			PCB-170	2.80			J
PCB-127	ND	1.31			PCB-171	ND	1.06		
PCB-128/162	ND	1.34			PCB-172	ND	1.18		
PCB-129	ND	1.89			PCB-173	ND	1.26		
PCB-130	ND	1.86			PCB-174	ND		1.38	
PCB-131	ND	1.91			PCB-175	ND	1.38		
PCB-132/161	ND	1.48			PCB-176	ND	1.00		
PCB-133/142	ND	1.83			PCB-177	ND	1.14		
PCB-134/143	ND	1.80			PCB-178	ND	1.46		
PCB-135	ND	2.41			PCB-179	ND	0.916		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-01
Project:	Stiller Pond	Sample Size:	0.984 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 8:30			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 20:20
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	4.84			J	Total octaCB	ND		2.00	J
PCB-181	ND	1.02			Total nonaCB	ND		1.57	
PCB-182/187	ND	2.11			DecaCB	ND		1.37	
PCB-183	ND	1.25			Total PCB	78.2			B
PCB-184	ND	1.08							
PCB-185	ND	1.06							
PCB-186	ND	1.01							
PCB-188	ND	0.924							
PCB-189	ND	0.718							
PCB-190	ND	0.765							
PCB-191	ND	0.863							
PCB-192	ND	0.904							
PCB-193	ND	0.842							
PCB-194	ND		2.00						
PCB-195	ND	1.56							
PCB-196/203	ND	2.17							
PCB-197	ND	1.70							
PCB-198	ND	2.44							
PCB-199	ND	2.27							
PCB-200	ND	1.76							
PCB-201	ND	1.66							
PCB-202	ND	1.69							
PCB-204	ND	1.79							
PCB-205	ND	1.30							
PCB-206	ND	1.57							
PCB-207	ND	0.900							
PCB-208	ND	0.868							
PCB-209	ND	1.37							
Total monoCB	ND	4.02							
Total diCB	ND	9.97							
Total triCB	8.15		13.9						
Total tetraCB	22.2		25.0	B					
Total pentaCB	21.5								
Total hexaCB	18.6								
Total heptaCB	7.64		9.02						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-01
Project:	Stiller Pond	Sample Size:	0.984 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 8:30			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 20:20
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	33.7	5 -145		13C-PCB-170	90.1	10 -145	
13C-PCB-3	43.1	5 -145		13C-PCB-180	86.0	10 -145	
13C-PCB-4	43.7	5 -145		13C-PCB-188	68.9	10 -145	
13C-PCB-11	66.7	5 -145		13C-PCB-189	92.6	10 -145	
13C-PCB-9	48.6	5 -145		13C-PCB-194	91.5	10 -145	
13C-PCB-19	61.4	5 -145		13C-PCB-202	72.8	10 -145	
13C-PCB-28	80.2	5 -145		13C-PCB-206	90.1	10 -145	
13C-PCB-32	67.2	5 -145		13C-PCB-208	81.2	10 -145	
13C-PCB-37	93.9	5 -145		13C-PCB-209	83.5	10 -145	
13C-PCB-47	70.5	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	69.2	5 -145		13C-PCB-178	88.0	10 -145	
13C-PCB-54	60.9	5 -145					
13C-PCB-70	80.3	5 -145					
13C-PCB-77	101	10 -145					
13C-PCB-80	81.7	10 -145					
13C-PCB-81	98.4	10 -145					
13C-PCB-95	77.9	10 -145					
13C-PCB-97	86.5	10 -145					
13C-PCB-101	83.3	10 -145					
13C-PCB-104	71.7	10 -145					
13C-PCB-105	73.3	10 -145					
13C-PCB-114	76.5	10 -145					
13C-PCB-118	93.5	10 -145					
13C-PCB-123	97.7	10 -145					
13C-PCB-126	85.0	10 -145					
13C-PCB-127	82.0	10 -145					
13C-PCB-138	83.8	10 -145					
13C-PCB-141	83.9	10 -145					
13C-PCB-153	80.3	10 -145					
13C-PCB-155	76.1	10 -145					
13C-PCB-156	92.0	10 -145					
13C-PCB-157	89.9	10 -145					
13C-PCB-159	89.4	10 -145					
13C-PCB-167	89.9	10 -145					
13C-PCB-169	106	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-02	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.968 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 11:55					Date Analyzed :	04-Apr-14 21:24 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	28.9				PCB-44	7.66			
PCB-2	ND	5.39			PCB-45	3.51			J
PCB-3	11.9				PCB-46	2.28			J
PCB-4/10	57.9				PCB-47	4.01			J
PCB-5/8	161				PCB-48/75	ND	1.88		
PCB-6	30.4				PCB-50	ND	2.78		
PCB-7/9	14.3			J	PCB-51	ND	2.29		
PCB-11	16.0			B	PCB-52/69	7.59			J, B
PCB-12/13	ND		6.38		PCB-53	1.86			J
PCB-14	ND	8.19			PCB-54	ND	2.09		
PCB-15	34.8				PCB-55	ND	1.55		
PCB-16/32	55.2				PCB-56/60	1.76			J, B
PCB-17	28.7				PCB-57	ND	1.52		
PCB-18	82.1				PCB-58	ND	1.61		
PCB-19	10.0				PCB-61/70	2.90			J, B
PCB-20/21/33	31.1				PCB-62	ND	1.89		
PCB-22	15.8				PCB-63	ND	1.56		
PCB-23	ND	1.90			PCB-65	ND	1.88		
PCB-24/27	6.49			J	PCB-67	ND	1.68		
PCB-25	4.47			J	PCB-68	ND	1.70		
PCB-26	9.07				PCB-73	ND	1.85		
PCB-28	33.0				PCB-74	1.23			J
PCB-29	ND	2.08			PCB-76/66	2.14			J
PCB-30	ND	1.61			PCB-77	ND	1.46		
PCB-31	39.1				PCB-78	ND	1.56		
PCB-34	ND	2.12			PCB-79	ND	1.65		
PCB-35	ND	1.81			PCB-80	ND	1.38		
PCB-36	ND	1.78			PCB-81	ND	1.36		
PCB-37	4.70			J	PCB-82	ND	4.16		
PCB-38	ND	1.70			PCB-83	ND	2.68		
PCB-39	ND	1.72			PCB-84/92	ND	3.62		
PCB-40	ND	3.22			PCB-85/116	ND	3.11		
PCB-41/64/71/72	5.81			J	PCB-86	ND	4.13		
PCB-42/59	1.86			J	PCB-87/117/125	ND	2.71		
PCB-43/49	5.51			J	PCB-88/91	ND	3.78		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-02
Project:	Stiller Pond	Sample Size:	0.968 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:55			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 21:24
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.72			PCB-136	ND	1.43		
PCB-90/101	2.69			J	PCB-137	ND	1.80		
PCB-93	ND	3.68			PCB-138/163/164	2.16			J
PCB-94	ND	3.71			PCB-139/149	ND	1.75		
PCB-95/98/102	2.56			J	PCB-140	ND	2.00		
PCB-96	ND	2.93			PCB-141	ND	1.93		
PCB-97	ND	3.34			PCB-144	ND	1.88		
PCB-99	ND	3.01			PCB-145	ND	1.30		
PCB-100	ND	3.17			PCB-146/165	ND	1.53		
PCB-103	ND	3.40			PCB-147	ND	1.83		
PCB-104	ND	2.48			PCB-148	ND	1.82		
PCB-105	ND	1.79			PCB-150	ND	1.33		
PCB-106/118	ND	2.49			PCB-151	ND	1.95		
PCB-107/109	ND	2.41			PCB-152	ND	1.30		
PCB-108/112	ND	3.23			PCB-153	2.04			J
PCB-110	ND		1.79		PCB-154	ND	1.69		
PCB-111/115	ND	2.41			PCB-155	ND	1.24		
PCB-113	ND	2.65			PCB-156	ND	1.40		
PCB-114	ND	1.58			PCB-157	ND	1.59		
PCB-119	ND	2.40			PCB-158/160	ND	1.51		
PCB-120	ND	2.35			PCB-159	ND	1.45		
PCB-121	ND	2.49			PCB-166	ND	1.40		
PCB-122	ND	1.76			PCB-167	ND	1.46		
PCB-123	ND	2.59			PCB-168	ND	1.35		
PCB-124	ND	2.31			PCB-169	ND	1.31		
PCB-126	ND	1.87			PCB-170	ND	1.15		
PCB-127	ND	1.89			PCB-171	ND	1.24		
PCB-128/162	ND	1.59			PCB-172	ND	1.39		
PCB-129	ND	2.22			PCB-173	ND	1.48		
PCB-130	ND	2.09			PCB-174	ND	1.24		
PCB-131	ND	2.09			PCB-175	ND	1.55		
PCB-132/161	ND	1.62			PCB-176	ND	1.13		
PCB-133/142	ND	1.99			PCB-177	ND	1.33		
PCB-134/143	ND	1.97			PCB-178	ND	1.64		
PCB-135	ND	2.01			PCB-179	ND	1.17		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-02
Project:	Stiller Pond	Sample Size:	0.968 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:55			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 21:24
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		1.76		Total octaCB	0.771			J
PCB-181	ND	1.20			Total nonaCB	ND	1.95		
PCB-182/187	ND	1.44			DecaCB	ND	1.26		
PCB-183	ND	1.40			Total PCB	734			B
PCB-184	ND	1.21							
PCB-185	ND	1.24							
PCB-186	ND	1.13							
PCB-188	ND	1.04							
PCB-189	ND	0.636							
PCB-190	ND	0.818							
PCB-191	ND	1.02							
PCB-192	ND	1.06							
PCB-193	ND	0.990							
PCB-194	0.771			J					
PCB-195	ND	1.24							
PCB-196/203	ND	2.43							
PCB-197	ND	1.90							
PCB-198	ND	2.73							
PCB-199	ND	2.54							
PCB-200	ND	1.97							
PCB-201	ND	1.86							
PCB-202	ND	1.89							
PCB-204	ND	2.00							
PCB-205	ND	1.03							
PCB-206	ND	1.95							
PCB-207	ND	1.16							
PCB-208	ND	1.11							
PCB-209	ND	1.26							
Total monoCB	40.8								
Total diCB	315		321	B					
Total triCB	320								
Total tetraCB	48.1			B					
Total pentaCB	5.24		7.03						
Total hexaCB	4.20			J					
Total heptaCB	ND		1.76	J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-02
Project:	Stiller Pond	Sample Size:	0.968 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:55			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 21:24
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	27.1	5 -145		13C-PCB-170	85.6	10 -145	
13C-PCB-3	39.0	5 -145		13C-PCB-180	78.6	10 -145	
13C-PCB-4	42.1	5 -145		13C-PCB-188	66.3	10 -145	
13C-PCB-11	61.6	5 -145		13C-PCB-189	94.8	10 -145	
13C-PCB-9	44.7	5 -145		13C-PCB-194	78.8	10 -145	
13C-PCB-19	57.4	5 -145		13C-PCB-202	66.1	10 -145	
13C-PCB-28	77.9	5 -145		13C-PCB-206	74.5	10 -145	
13C-PCB-32	63.2	5 -145		13C-PCB-208	68.3	10 -145	
13C-PCB-37	96.1	5 -145		13C-PCB-209	74.5	10 -145	
13C-PCB-47	68.8	5 -145		CRS 13C-PCB-79	98.1	10 -145	
13C-PCB-52	68.5	5 -145		13C-PCB-178	84.6	10 -145	
13C-PCB-54	60.6	5 -145					
13C-PCB-70	78.6	5 -145					
13C-PCB-77	93.1	10 -145					
13C-PCB-80	78.3	10 -145					
13C-PCB-81	90.9	10 -145					
13C-PCB-95	76.8	10 -145					
13C-PCB-97	84.0	10 -145					
13C-PCB-101	80.4	10 -145					
13C-PCB-104	71.9	10 -145					
13C-PCB-105	76.0	10 -145					
13C-PCB-114	77.1	10 -145					
13C-PCB-118	87.4	10 -145					
13C-PCB-123	92.2	10 -145					
13C-PCB-126	87.9	10 -145					
13C-PCB-127	79.4	10 -145					
13C-PCB-138	80.4	10 -145					
13C-PCB-141	81.6	10 -145					
13C-PCB-153	81.7	10 -145					
13C-PCB-155	73.3	10 -145					
13C-PCB-156	87.0	10 -145					
13C-PCB-157	84.9	10 -145					
13C-PCB-159	85.5	10 -145					
13C-PCB-167	89.2	10 -145					
13C-PCB-169	104	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-03
Project:	Stiller Pond	Sample Size:	0.960 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:15			QC Batch:	B4C0111
				Date Analyzed :	04-Apr-14 22:27
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	32.5				PCB-44	7.50			
PCB-2	13.6				PCB-45	3.25			J
PCB-3	18.5				PCB-46	1.50			J
PCB-4/10	58.9				PCB-47	12.1			
PCB-5/8	163				PCB-48/75	1.85			J
PCB-6	32.5				PCB-50	ND	1.38		
PCB-7/9	17.8			J	PCB-51	2.20			J
PCB-11	24.9			B	PCB-52/69	7.62			J, B
PCB-12/13	17.5			J	PCB-53	ND		2.60	
PCB-14	ND	6.17			PCB-54	ND	1.04		
PCB-15	37.3				PCB-55	ND	0.875		
PCB-16/32	53.7				PCB-56/60	2.32			J, B
PCB-17	28.8				PCB-57	ND	0.823		
PCB-18	84.6				PCB-58	ND	0.870		
PCB-19	9.50				PCB-61/70	3.39			J, B
PCB-20/21/33	34.5				PCB-62	ND	0.937		
PCB-22	16.2				PCB-63	ND	0.842		
PCB-23	ND	0.973			PCB-65	ND	0.932		
PCB-24/27	6.15			J	PCB-67	ND	0.909		
PCB-25	4.69			J	PCB-68	1.54			J
PCB-26	9.85				PCB-73	ND	0.925		
PCB-28	32.2				PCB-74	1.41			J
PCB-29	ND	1.06			PCB-76/66	2.10			J
PCB-30	ND	1.01			PCB-77	ND	0.784		
PCB-31	40.1				PCB-78	ND	0.866		
PCB-34	ND	1.08			PCB-79	ND	0.933		
PCB-35	2.84			J	PCB-80	ND	0.782		
PCB-36	ND	0.951			PCB-81	ND	0.754		
PCB-37	6.10				PCB-82	ND	2.15		
PCB-38	ND	0.908			PCB-83	ND	1.42		
PCB-39	ND	0.917			PCB-84/92	ND	1.96		
PCB-40	1.45			J	PCB-85/116	ND	1.66		
PCB-41/64/71/72	5.25			J	PCB-86	ND	2.20		
PCB-42/59	2.67			J	PCB-87/117/125	ND	1.44		
PCB-43/49	5.64			J	PCB-88/91	ND	2.05		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-03
Project:	Stiller Pond	Sample Size:	0.960 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:15			QC Batch:	B4C0111
				Date Analyzed :	04-Apr-14 22:27
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.01			PCB-136	ND	1.26		
PCB-90/101	ND		1.50		PCB-137	ND	1.13		
PCB-93	ND	2.00			PCB-138/163/164	1.44			J
PCB-94	ND	2.02			PCB-139/149	1.94			J
PCB-95/98/102	1.27			J	PCB-140	ND	1.76		
PCB-96	ND	1.58			PCB-141	ND	1.22		
PCB-97	ND	1.78			PCB-144	ND	1.66		
PCB-99	ND	1.63			PCB-145	ND	1.14		
PCB-100	ND	1.71			PCB-146/165	ND	0.990		
PCB-103	ND	1.83			PCB-147	ND	1.61		
PCB-104	ND	1.34			PCB-148	ND	1.60		
PCB-105	ND	0.867			PCB-150	ND	1.17		
PCB-106/118	1.35			J	PCB-151	ND	1.72		
PCB-107/109	ND	1.25			PCB-152	ND	1.15		
PCB-108/112	ND	1.72			PCB-153	1.37			J
PCB-110	1.47			J	PCB-154	ND	1.49		
PCB-111/115	ND	1.28			PCB-155	ND	1.09		
PCB-113	ND	1.43			PCB-156	ND	0.890		
PCB-114	ND	1.24			PCB-157	ND	0.949		
PCB-119	ND	1.28			PCB-158/160	ND	0.965		
PCB-120	ND	1.25			PCB-159	ND	0.954		
PCB-121	ND	1.35			PCB-166	ND	0.925		
PCB-122	ND	1.38			PCB-167	ND	0.901		
PCB-123	ND	1.34			PCB-168	ND	0.872		
PCB-124	ND	1.20			PCB-169	ND	0.779		
PCB-126	ND	1.46			PCB-170	ND	0.933		
PCB-127	ND	1.47			PCB-171	ND	0.991		
PCB-128/162	ND	1.05			PCB-172	ND	1.11		
PCB-129	ND	1.42			PCB-173	ND	1.18		
PCB-130	ND	1.32			PCB-174	ND	0.985		
PCB-131	ND	1.35			PCB-175	ND	1.21		
PCB-132/161	ND	1.05			PCB-176	ND	0.880		
PCB-133/142	ND	1.29			PCB-177	ND	1.06		
PCB-134/143	ND	1.27			PCB-178	ND	1.28		
PCB-135	ND	1.77			PCB-179	ND	0.910		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-03
Project:	Stiller Pond	Sample Size:	0.960 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:15			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 22:27
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.969			Total octaCB	ND	2.00		
PCB-181	ND	0.957			Total nonaCB	ND	1.18		
PCB-182/187	ND	1.12			DecaCB	ND	1.07		
PCB-183	ND	1.09			Total PCB	817			B
PCB-184	ND	0.945							
PCB-185	ND	0.988							
PCB-186	ND	0.884							
PCB-188	ND	0.810							
PCB-189	ND	0.486							
PCB-190	ND	0.667							
PCB-191	ND	0.808							
PCB-192	ND	0.846							
PCB-193	ND	0.788							
PCB-194	ND	1.00							
PCB-195	ND	1.00							
PCB-196/203	ND	1.78							
PCB-197	ND	1.39							
PCB-198	ND	2.00							
PCB-199	ND	1.86							
PCB-200	ND	1.44							
PCB-201	ND	1.36							
PCB-202	ND	1.38							
PCB-204	ND	1.47							
PCB-205	ND	0.832							
PCB-206	ND	1.18							
PCB-207	ND	0.628							
PCB-208	ND	0.605							
PCB-209	ND	1.07							
Total monoCB	64.7								
Total diCB	352			B					
Total triCB	329								
Total tetraCB	61.8		64.4	B					
Total pentaCB	4.08		5.59						
Total hexaCB	4.76			J					
Total heptaCB	ND	1.28							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-03
Project:	Stiller Pond	Sample Size:	0.960 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 11:15			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 22:27
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	54.0	5 -145		13C-PCB-170	88.6	10 -145	
13C-PCB-3	65.1	5 -145		13C-PCB-180	82.9	10 -145	
13C-PCB-4	61.4	5 -145		13C-PCB-188	68.5	10 -145	
13C-PCB-11	75.1	5 -145		13C-PCB-189	101	10 -145	
13C-PCB-9	62.0	5 -145		13C-PCB-194	74.5	10 -145	
13C-PCB-19	73.3	5 -145		13C-PCB-202	67.9	10 -145	
13C-PCB-28	88.5	5 -145		13C-PCB-206	64.0	10 -145	
13C-PCB-32	74.5	5 -145		13C-PCB-208	63.2	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	60.7	10 -145	
13C-PCB-47	80.3	5 -145		CRS 13C-PCB-79	107	10 -145	
13C-PCB-52	80.7	5 -145		13C-PCB-178	91.7	10 -145	
13C-PCB-54	70.6	5 -145					
13C-PCB-70	85.2	5 -145					
13C-PCB-77	104	10 -145					
13C-PCB-80	84.0	10 -145					
13C-PCB-81	96.0	10 -145					
13C-PCB-95	78.5	10 -145					
13C-PCB-97	87.4	10 -145					
13C-PCB-101	83.9	10 -145					
13C-PCB-104	76.8	10 -145					
13C-PCB-105	81.6	10 -145					
13C-PCB-114	79.9	10 -145					
13C-PCB-118	90.9	10 -145					
13C-PCB-123	94.4	10 -145					
13C-PCB-126	90.6	10 -145					
13C-PCB-127	82.1	10 -145					
13C-PCB-138	84.7	10 -145					
13C-PCB-141	86.8	10 -145					
13C-PCB-153	85.9	10 -145					
13C-PCB-155	76.6	10 -145					
13C-PCB-156	94.0	10 -145					
13C-PCB-157	92.1	10 -145					
13C-PCB-159	90.4	10 -145					
13C-PCB-167	93.0	10 -145					
13C-PCB-169	112	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-04	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.956 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 10:25					Date Analyzed :	04-Apr-14 23:31 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	44.1				PCB-44	11.4			
PCB-2	3.85			J	PCB-45	5.62			
PCB-3	17.4				PCB-46	2.40			J
PCB-4/10	92.7				PCB-47	4.00			J
PCB-5/8	235				PCB-48/75	ND		2.29	
PCB-6	41.9				PCB-50	ND	2.06		
PCB-7/9	20.0			J	PCB-51	1.36			J
PCB-11	21.3			B	PCB-52/69	11.6			B
PCB-12/13	ND	8.46			PCB-53	ND		3.47	
PCB-14	ND	8.01			PCB-54	ND	1.55		
PCB-15	48.2				PCB-55	ND	1.24		
PCB-16/32	82.2				PCB-56/60	2.68			J, B
PCB-17	42.8				PCB-57	ND	1.21		
PCB-18	126				PCB-58	ND	1.28		
PCB-19	13.6				PCB-61/70	4.84			J, B
PCB-20/21/33	50.5				PCB-62	ND	1.44		
PCB-22	24.1				PCB-63	ND	1.23		
PCB-23	ND	1.51			PCB-65	ND	1.43		
PCB-24/27	9.57			J	PCB-67	ND	1.33		
PCB-25	6.34				PCB-68	ND	1.29		
PCB-26	12.9				PCB-73	ND			
PCB-28	51.6				PCB-74	2.06			J
PCB-29	ND	1.65			PCB-76/66	3.34			J
PCB-30	ND	1.23			PCB-77	ND	1.27		
PCB-31	69.2				PCB-78	ND	1.30		
PCB-34	ND	1.68			PCB-79	ND	1.32		
PCB-35	ND	1.49			PCB-80	ND	1.11		
PCB-36	ND	1.46			PCB-81	ND	1.13		
PCB-37	8.81				PCB-82	ND	3.72		
PCB-38	ND	1.40			PCB-83	ND	2.64		
PCB-39	ND	1.41			PCB-84/92	ND	3.55		
PCB-40	3.08			J	PCB-85/116	ND	3.07		
PCB-41/64/71/72	9.64			J	PCB-86	ND	4.08		
PCB-42/59	4.79			J	PCB-87/117/125	ND	2.68		
PCB-43/49	7.10			J	PCB-88/91	ND	3.67		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-04	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond	Sample Size:	0.956 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 10:25			Date Analyzed :	04-Apr-14 23:31	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.65			PCB-136	ND	2.53		
PCB-90/101	2.07			J	PCB-137	ND	1.48		
PCB-93	ND	3.58			PCB-138/163/164	1.27			J
PCB-94	ND	3.61			PCB-139/149	ND	3.09		
PCB-95/98/102	ND		2.53		PCB-140	ND	3.53		
PCB-96	ND	2.93			PCB-141	ND	1.59		
PCB-97	ND	3.29			PCB-144	ND	3.32		
PCB-99	ND	2.96			PCB-145	ND	2.29		
PCB-100	ND	3.17			PCB-146/165	ND	1.31		
PCB-103	ND	3.40			PCB-147	ND	3.23		
PCB-104	ND	2.48			PCB-148	ND	3.21		
PCB-105	ND	1.49			PCB-150	ND	2.35		
PCB-106/118	2.19			J	PCB-151	ND	3.44		
PCB-107/109	ND	2.16			PCB-152	ND	2.30		
PCB-108/112	ND	3.18			PCB-153	1.56			J
PCB-110	ND		1.59		PCB-154	ND	2.98		
PCB-111/115	ND	2.37			PCB-155	ND	2.19		
PCB-113	ND	2.60			PCB-156	ND	1.20		
PCB-114	ND	1.50			PCB-157	ND	1.33		
PCB-119	ND	2.37			PCB-158/160	ND	1.35		
PCB-120	ND	2.32			PCB-159	ND	1.23		
PCB-121	ND	2.42			PCB-166	ND	1.20		
PCB-122	ND	1.66			PCB-167	ND	1.26		
PCB-123	ND	2.32			PCB-168	ND	1.15		
PCB-124	ND	2.07			PCB-169	ND	1.11		
PCB-126	ND	1.82			PCB-170	ND	1.16		
PCB-127	ND	1.66			PCB-171	ND	1.18		
PCB-128/162	ND	1.36			PCB-172	ND	1.32		
PCB-129	ND	1.98			PCB-173	ND	1.41		
PCB-130	ND	1.73			PCB-174	ND	1.17		
PCB-131	ND	1.79			PCB-175	ND	1.32		
PCB-132/161	ND	1.38			PCB-176	ND	0.962		
PCB-133/142	ND	1.71			PCB-177	ND	1.27		
PCB-134/143	ND	1.68			PCB-178	ND	1.40		
PCB-135	ND	3.55			PCB-179	ND	0.995		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-04
Project:	Stiller Pond	Sample Size:	0.956 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 10:25			QC Batch:	B4C0111
				Date Analyzed :	04-Apr-14 23:31
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.16			Total octaCB	ND	2.57		
PCB-181	ND	1.14			Total nonaCB	ND	1.74		
PCB-182/187	ND	1.23			DecaCB	ND	1.23		
PCB-183	ND	1.19			Total PCB	1100			B
PCB-184	ND	1.03							
PCB-185	ND	1.18							
PCB-186	ND	0.967							
PCB-188	ND	0.886							
PCB-189	ND	0.586							
PCB-190	ND	0.826							
PCB-191	ND	0.964							
PCB-192	ND	1.01							
PCB-193	ND	0.940							
PCB-194	ND	1.24							
PCB-195	ND	1.24							
PCB-196/203	ND	2.29							
PCB-197	ND	1.79							
PCB-198	ND	2.57							
PCB-199	ND	2.39							
PCB-200	ND	1.86							
PCB-201	ND	1.75							
PCB-202	ND	1.78							
PCB-204	ND	1.89							
PCB-205	ND	1.03							
PCB-206	ND	1.74							
PCB-207	ND	1.11							
PCB-208	ND	1.07							
PCB-209	ND	1.23							
Total monoCB	65.4								
Total diCB	459			B					
Total triCB	497								
Total tetraCB	73.9		79.6	B					
Total pentaCB	4.26		8.38						
Total hexaCB	2.82			J					
Total heptaCB	ND	1.41							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-04
Project:	Stiller Pond	Sample Size:	0.956 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 10:25			QC Batch:	B4C0111
				Date Analyzed:	04-Apr-14 23:31
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	43.3	5 -145		13C-PCB-170	78.6	10 -145	
13C-PCB-3	48.1	5 -145		13C-PCB-180	73.5	10 -145	
13C-PCB-4	48.8	5 -145		13C-PCB-188	64.1	10 -145	
13C-PCB-11	64.2	5 -145		13C-PCB-189	88.5	10 -145	
13C-PCB-9	51.6	5 -145		13C-PCB-194	72.0	10 -145	
13C-PCB-19	59.5	5 -145		13C-PCB-202	62.4	10 -145	
13C-PCB-28	70.2	5 -145		13C-PCB-206	66.9	10 -145	
13C-PCB-32	64.8	5 -145		13C-PCB-208	61.7	10 -145	
13C-PCB-37	83.2	5 -145		13C-PCB-209	61.4	10 -145	
13C-PCB-47	68.7	5 -145		CRS 13C-PCB-79	88.7	10 -145	
13C-PCB-52	73.7	5 -145		13C-PCB-178	77.2	10 -145	
13C-PCB-54	63.0	5 -145					
13C-PCB-70	77.5	5 -145					
13C-PCB-77	85.9	10 -145					
13C-PCB-80	75.7	10 -145					
13C-PCB-81	84.7	10 -145					
13C-PCB-95	72.7	10 -145					
13C-PCB-97	80.6	10 -145					
13C-PCB-101	76.0	10 -145					
13C-PCB-104	70.7	10 -145					
13C-PCB-105	75.5	10 -145					
13C-PCB-114	71.5	10 -145					
13C-PCB-118	82.2	10 -145					
13C-PCB-123	88.0	10 -145					
13C-PCB-126	79.3	10 -145					
13C-PCB-127	76.4	10 -145					
13C-PCB-138	76.4	10 -145					
13C-PCB-141	77.4	10 -145					
13C-PCB-153	77.4	10 -145					
13C-PCB-155	71.4	10 -145					
13C-PCB-156	83.9	10 -145					
13C-PCB-157	82.1	10 -145					
13C-PCB-159	81.5	10 -145					
13C-PCB-167	82.7	10 -145					
13C-PCB-169	95.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-05	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.975 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 12:45					Date Analyzed :	05-Apr-14 18:01 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	27.1				PCB-44	6.45			
PCB-2	2.36			J	PCB-45	3.06			J
PCB-3	12.2				PCB-46	ND	2.34		
PCB-4/10	61.2				PCB-47	7.76			
PCB-5/8	158				PCB-48/75	1.50			J
PCB-6	29.9				PCB-50	ND	1.84		
PCB-7/9	15.3			J	PCB-51	1.56			J
PCB-11	15.6			B	PCB-52/69	5.96			B, J
PCB-12/13	ND	8.35			PCB-53	ND		1.62	
PCB-14	ND	6.99			PCB-54	ND	1.38		
PCB-15	34.5				PCB-55	ND	1.15		
PCB-16/32	52.8				PCB-56/60	1.28			B, J
PCB-17	28.9				PCB-57	ND	1.27		
PCB-18	82.0				PCB-58	ND	1.34		
PCB-19	9.81				PCB-61/70	2.52			B, J
PCB-20/21/33	27.1				PCB-62	ND	1.51		
PCB-22	12.3				PCB-63	ND	1.30		
PCB-23	ND	1.70			PCB-65	ND	1.50		
PCB-24/27	6.31			J	PCB-67	ND	1.40		
PCB-25	3.74			J	PCB-68	ND	1.36		
PCB-26	8.96				PCB-73	ND	1.41		
PCB-28	28.6				PCB-74	ND	1.18		
PCB-29	ND	1.86			PCB-76/66	2.19			J
PCB-30	ND	0.689			PCB-77	ND	1.02		
PCB-31	34.8				PCB-78	ND	1.13		
PCB-34	ND	1.90			PCB-79	ND	1.23		
PCB-35	ND	1.67			PCB-80	ND	1.03		
PCB-36	ND	1.64			PCB-81	ND	0.980		
PCB-37	3.47			J	PCB-82	ND	2.66		
PCB-38	ND	1.57			PCB-83	ND	1.78		
PCB-39	ND	1.58			PCB-84/92	1.07			J
PCB-40	ND	2.57			PCB-85/116	ND	2.07		
PCB-41/64/71/72	5.16			J	PCB-86	ND	2.74		
PCB-42/59	1.92			J	PCB-87/117/125	ND	1.80		
PCB-43/49	4.61			J	PCB-88/91	ND	2.78		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-05
Project:	Stiller Pond	Sample Size:	0.975 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 12:45			QC Batch:	B4C0111
				Date Analyzed:	05-Apr-14 18:01
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.66			PCB-136	ND	1.81		
PCB-90/101	1.81			J	PCB-137	ND	1.38		
PCB-93	ND	2.71			PCB-138/163/164	ND	1.09		
PCB-94	ND	2.74			PCB-139/149	ND	2.21		
PCB-95/98/102	ND		1.13		PCB-140	ND	2.53		
PCB-96	ND	2.08			PCB-141	ND	1.48		
PCB-97	ND	2.22			PCB-144	ND	2.38		
PCB-99	ND	2.15			PCB-145	ND	1.64		
PCB-100	ND	2.25			PCB-146/165	ND	1.17		
PCB-103	ND	2.41			PCB-147	ND	2.32		
PCB-104	ND	1.76			PCB-148	ND	2.30		
PCB-105	ND	1.07			PCB-150	ND	1.69		
PCB-106/118	ND	1.65			PCB-151	ND	2.47		
PCB-107/109	ND	1.54			PCB-152	ND	1.65		
PCB-108/112	ND	2.14			PCB-153	ND	1.19		
PCB-110	0.904			J	PCB-154	ND	2.14		
PCB-111/115	ND	1.60			PCB-155	ND	1.57		
PCB-113	ND	1.89			PCB-156	ND	0.994		
PCB-114	ND	1.12			PCB-157	ND	1.02		
PCB-119	ND	1.59			PCB-158/160	ND	1.05		
PCB-120	ND	1.56			PCB-159	ND	1.05		
PCB-121	ND	1.84			PCB-166	ND	1.02		
PCB-122	ND	1.24			PCB-167	ND	0.995		
PCB-123	ND	1.65			PCB-168	ND	1.03		
PCB-124	ND	1.48			PCB-169	ND	0.893		
PCB-126	ND	1.19			PCB-170	ND	0.784		
PCB-127	ND	1.08			PCB-171	ND	0.808		
PCB-128/162	ND	1.16			PCB-172	ND	0.902		
PCB-129	ND	1.54			PCB-173	ND	0.963		
PCB-130	ND	1.61			PCB-174	ND	0.803		
PCB-131	ND	1.60			PCB-175	ND	1.16		
PCB-132/161	ND	1.24			PCB-176	ND	0.843		
PCB-133/142	ND	1.53			PCB-177	ND	0.866		
PCB-134/143	ND	1.51			PCB-178	ND	1.23		
PCB-135	ND	2.55			PCB-179	ND	0.871		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-05	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond	Sample Size:	0.975 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 12:45			Date Analyzed:	05-Apr-14 18:01	Column:	ZB-1
				Analyst:	DMS		

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.790			Total octaCB	ND	1.78		
PCB-181	ND	0.780			Total nonaCB	ND	0.802		
PCB-182/187	ND	1.07			DecaCB	ND	0.560		
PCB-183	ND	1.05			Total PCB	703			B
PCB-184	ND	0.905							
PCB-185	ND	0.806							
PCB-186	ND	0.846							
PCB-188	ND	0.776							
PCB-189	ND	0.446							
PCB-190	ND	0.560							
PCB-191	ND	0.659							
PCB-192	ND	0.690							
PCB-193	ND	0.642							
PCB-194	ND	0.599							
PCB-195	ND	0.601							
PCB-196/203	ND	1.59							
PCB-197	ND	1.24							
PCB-198	ND	1.78							
PCB-199	ND	1.66							
PCB-200	ND	1.29							
PCB-201	ND	1.22							
PCB-202	ND	1.23							
PCB-204	ND	1.31							
PCB-205	ND	0.498							
PCB-206	ND	0.802							
PCB-207	ND	0.506							
PCB-208	ND	0.488							
PCB-209	ND	0.560							
Total monoCB	41.6								
Total diCB	315			B					
Total triCB	299								
Total tetraCB	44.0		45.6	B					
Total pentaCB	3.79		4.92	J					
Total hexaCB	ND	2.55							
Total heptaCB	ND	1.23							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-05	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond	Sample Size:	0.975 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 12:45			Date Analyzed:	05-Apr-14 18:01	Column:	ZB-1
				Analyst:	DMS		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	56.0	5 -145		13C-PCB-170	95.4	10 -145	
13C-PCB-3	62.4	5 -145		13C-PCB-180	89.9	10 -145	
13C-PCB-4	59.5	5 -145		13C-PCB-188	67.0	10 -145	
13C-PCB-11	70.1	5 -145		13C-PCB-189	104	10 -145	
13C-PCB-9	59.2	5 -145		13C-PCB-194	87.8	10 -145	
13C-PCB-19	76.6	5 -145		13C-PCB-202	74.4	10 -145	
13C-PCB-28	82.9	5 -145		13C-PCB-206	79.0	10 -145	
13C-PCB-32	74.9	5 -145		13C-PCB-208	71.2	10 -145	
13C-PCB-37	106	5 -145		13C-PCB-209	73.6	10 -145	
13C-PCB-47	72.6	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	72.7	5 -145		13C-PCB-178	84.0	10 -145	
13C-PCB-54	67.5	5 -145					
13C-PCB-70	82.1	5 -145					
13C-PCB-77	109	10 -145					
13C-PCB-80	83.9	10 -145					
13C-PCB-81	105	10 -145					
13C-PCB-95	76.0	10 -145					
13C-PCB-97	85.8	10 -145					
13C-PCB-101	80.9	10 -145					
13C-PCB-104	70.5	10 -145					
13C-PCB-105	77.3	10 -145					
13C-PCB-114	73.1	10 -145					
13C-PCB-118	91.0	10 -145					
13C-PCB-123	94.9	10 -145					
13C-PCB-126	91.3	10 -145					
13C-PCB-127	82.3	10 -145					
13C-PCB-138	84.7	10 -145					
13C-PCB-141	84.0	10 -145					
13C-PCB-153	80.6	10 -145					
13C-PCB-155	81.9	10 -145					
13C-PCB-156	93.6	10 -145					
13C-PCB-157	93.5	10 -145					
13C-PCB-159	88.0	10 -145					
13C-PCB-167	90.2	10 -145					
13C-PCB-169	115	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake DUP

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-06	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.977 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 8:35				Date Analyzed :	05-Apr-14 19:05 Column: ZB-1 Analyst: DMS		

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	3.11			PCB-44	ND	1.56		
PCB-2	ND	3.11			PCB-45	ND	1.55		
PCB-3	ND	3.04			PCB-46	ND	1.72		
PCB-4/10	ND	8.38			PCB-47	6.50			
PCB-5/8	ND	6.68			PCB-48/75	ND	1.07		
PCB-6	ND	6.72			PCB-50	ND	1.42		
PCB-7/9	ND	6.63			PCB-51	ND	1.28		
PCB-11	9.93			J, B	PCB-52/69	ND		2.54	
PCB-12/13	ND	6.34			PCB-53	ND	1.27		
PCB-14	ND	5.31			PCB-54	ND	1.07		
PCB-15	ND	6.20			PCB-55	ND	0.914		
PCB-16/32	2.92			J	PCB-56/60	1.13			B, J
PCB-17	ND		1.15		PCB-57	ND	1.01		
PCB-18	3.72			J	PCB-58	ND	1.07		
PCB-19	ND	1.24			PCB-61/70	ND		2.01	
PCB-20/21/33	ND	1.39			PCB-62	ND	1.08		
PCB-22	ND	1.32			PCB-63	ND	1.03		
PCB-23	ND	1.30			PCB-65	ND	1.07		
PCB-24/27	ND	0.837			PCB-67	ND	1.11		
PCB-25	ND	1.42			PCB-68	ND		1.05	
PCB-26	ND	1.48			PCB-73	ND	1.04		
PCB-28	ND		1.74		PCB-74	ND	0.937		
PCB-29	ND	1.42			PCB-76/66	ND	0.991		
PCB-30	ND	0.823			PCB-77	ND	0.814		
PCB-31	2.82			J	PCB-78	ND	0.905		
PCB-34	ND	1.44			PCB-79	ND	0.975		
PCB-35	ND	1.18			PCB-80	ND	0.817		
PCB-36	ND	1.16			PCB-81	ND	0.788		
PCB-37	ND	1.26			PCB-82	ND	1.78		
PCB-38	ND	1.11			PCB-83	ND	1.18		
PCB-39	ND	1.12			PCB-84/92	1.86			J
PCB-40	ND	1.83			PCB-85/116	ND	1.37		
PCB-41/64/71/72	1.98			J	PCB-86	ND	1.82		
PCB-42/59	ND	1.17			PCB-87/117/125	ND	1.19		
PCB-43/49	1.43			J	PCB-88/91	ND	1.90		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake DUP

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-06	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.977 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 8:35					Date Analyzed :	05-Apr-14 19:05 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.76			PCB-136	ND	1.21		
PCB-90/101	3.66			J	PCB-137	ND	1.08		
PCB-93	ND	1.86			PCB-138/163/164	3.11			J
PCB-94	ND	1.87			PCB-139/149	2.81			J
PCB-95/98/102	ND		2.54		PCB-140	ND	1.68		
PCB-96	ND	1.48			PCB-141	ND	1.16		
PCB-97	ND	1.47			PCB-144	ND	1.58		
PCB-99	1.75			J	PCB-145	ND	1.09		
PCB-100	ND	1.59			PCB-146/165	ND	0.891		
PCB-103	ND	1.71			PCB-147	ND	1.54		
PCB-104	ND	1.25			PCB-148	ND	1.53		
PCB-105	ND		0.840		PCB-150	ND	1.12		
PCB-106/118	2.34			J	PCB-151	ND	1.64		
PCB-107/109	ND	1.04			PCB-152	ND	1.10		
PCB-108/112	ND	1.42			PCB-153	2.96			J
PCB-110	3.51			J	PCB-154	ND	1.42		
PCB-111/115	ND	1.06			PCB-155	ND	1.05		
PCB-113	ND	1.25			PCB-156	ND	0.777		
PCB-114	ND	1.02			PCB-157	ND	0.841		
PCB-119	ND	1.06			PCB-158/160	ND	0.845		
PCB-120	ND	1.03			PCB-159	ND	0.851		
PCB-121	ND	1.26			PCB-166	ND	0.825		
PCB-122	ND	1.13			PCB-167	ND	0.746		
PCB-123	ND	1.11			PCB-168	ND	0.785		
PCB-124	ND	0.991			PCB-169	ND	0.656		
PCB-126	ND	1.02			PCB-170	1.09			J
PCB-127	ND	1.08			PCB-171	ND	0.718		
PCB-128/162	ND	0.937			PCB-172	ND	0.802		
PCB-129	ND	1.24			PCB-173	ND	0.856		
PCB-130	ND	1.26			PCB-174	ND	0.714		
PCB-131	ND	1.22			PCB-175	ND	0.839		
PCB-132/161	ND		0.957		PCB-176	ND	0.610		
PCB-133/142	ND	1.16			PCB-177	ND	0.770		
PCB-134/143	ND	1.15			PCB-178	ND	0.889		
PCB-135	ND	1.70			PCB-179	ND	0.631		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake DUP

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400232-06	Date Received:	26-Mar-2014 9:59
Project:	Stiller Pond		Sample Size:	0.977 L	QC Batch:	B4C0111	Date Extracted:	31-Mar-2014 9:20
Date Collected:	25-Mar-2014 8:35				Date Analyzed :	05-Apr-14 19:05 Column: ZB-1 Analyst: DMS		

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	2.33			J	Total octaCB	1.18		2.06	J
PCB-181	ND	0.693			Total nonaCB	ND	0.760		
PCB-182/187	1.70			J	DecaCB	ND	0.685		
PCB-183	ND	0.758			Total PCB	58.7			B
PCB-184	ND	0.656							
PCB-185	ND	0.716							
PCB-186	ND	0.613							
PCB-188	ND	0.562							
PCB-189	ND	0.401							
PCB-190	ND	0.467							
PCB-191	ND	0.586							
PCB-192	ND	0.613							
PCB-193	ND	0.571							
PCB-194	ND		0.883						
PCB-195	ND	0.677							
PCB-196/203	1.18			J					
PCB-197	ND	0.994							
PCB-198	ND	1.43							
PCB-199	ND	1.33							
PCB-200	ND	1.03							
PCB-201	ND	0.972							
PCB-202	ND	0.987							
PCB-204	ND	1.05							
PCB-205	ND	0.562							
PCB-206	ND	0.760							
PCB-207	ND	0.533							
PCB-208	ND	0.514							
PCB-209	ND	0.685							
Total monoCB	ND	3.11							
Total diCB	9.93			B, J					
Total triCB	9.45		12.3						
Total tetraCB	11.0		16.6	B					
Total pentaCB	13.1		16.5						
Total hexaCB	8.88		9.83						
Total heptaCB	5.12								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake DUP

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400232-06
Project:	Stiller Pond	Sample Size:	0.977 L	Date Received:	26-Mar-2014 9:59
Date Collected:	25-Mar-2014 8:35			QC Batch:	B4C0111
				Date Analyzed :	05-Apr-14 19:05
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	39.5	5 -145		13C-PCB-170	93.5	10 -145	
13C-PCB-3	46.2	5 -145		13C-PCB-180	83.3	10 -145	
13C-PCB-4	49.9	5 -145		13C-PCB-188	68.3	10 -145	
13C-PCB-11	66.6	5 -145		13C-PCB-189	100	10 -145	
13C-PCB-9	51.5	5 -145		13C-PCB-194	84.4	10 -145	
13C-PCB-19	65.5	5 -145		13C-PCB-202	69.1	10 -145	
13C-PCB-28	85.7	5 -145		13C-PCB-206	71.7	10 -145	
13C-PCB-32	70.4	5 -145		13C-PCB-208	64.7	10 -145	
13C-PCB-37	118	5 -145		13C-PCB-209	68.0	10 -145	
13C-PCB-47	68.9	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	69.4	5 -145		13C-PCB-178	87.3	10 -145	
13C-PCB-54	61.2	5 -145					
13C-PCB-70	74.5	5 -145					
13C-PCB-77	102	10 -145					
13C-PCB-80	77.6	10 -145					
13C-PCB-81	96.1	10 -145					
13C-PCB-95	72.3	10 -145					
13C-PCB-97	86.4	10 -145					
13C-PCB-101	81.5	10 -145					
13C-PCB-104	68.4	10 -145					
13C-PCB-105	72.0	10 -145					
13C-PCB-114	72.7	10 -145					
13C-PCB-118	94.1	10 -145					
13C-PCB-123	97.0	10 -145					
13C-PCB-126	88.2	10 -145					
13C-PCB-127	79.6	10 -145					
13C-PCB-138	81.4	10 -145					
13C-PCB-141	81.4	10 -145					
13C-PCB-153	80.2	10 -145					
13C-PCB-155	81.7	10 -145					
13C-PCB-156	91.7	10 -145					
13C-PCB-157	89.6	10 -145					
13C-PCB-159	86.5	10 -145					
13C-PCB-167	91.2	10 -145					
13C-PCB-169	115	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
Arkansas Department of Environmental Quality	13-017-0
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Mississippi Department of Health	N/A
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
North Dakota Department of Health	R-078
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	010
South Carolina Department of Health	87002001
Tennessee Dept of Environment and Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2358
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY Storage Secured Yes No
 Laboratory Project ID: 1400232 Temp 0.3 °C
 Storage ID: WR-2

Project I.D.: STILLER POND P.O.# _____ Sampler: STEVEN PATTEN
 (Name)

TAT: (Check One):
 Standard: 21 Days
 Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name CHES SHEETS Company WYLLA WYLLA BASED WATERKIND COMPANY Address 810 S MAIN City MELTON State OR Zip 97862 Ph# _____ Fax# 541-938-2170
 Relinquished by: (Signature and Printed Name) [Signature] Date: 3-25-14 Time: 13:30 Received by: (Signature and Printed Name) [Signature] Date: 3-25-14 Time: _____
 Relinquished by: (Signature and Printed Name) UPS Date: 3/26/14 Time: 0959 Received by: (Signature and Printed Name) [Signature] Date: 3/26/14 Time: 1002

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 • Fax (916) 673-0106

Method of Shipment: UPS
 Tracking No.: _____

				Add Analysis(es) Requested													
				Container(s)													
Quantity	Type	Matrix	Location/Description	EPA1613		EPA8290		EPA8280		EPA1668		EPA1614		CARB429			
				2378-TCDD	PCDD/PCDF	2378-TCDD	PCDD/PCDF	2378-TCDD	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBIDE	PAH	WHO-29		
2L	AQ	AQ	STILLER POND												X		
2L	AQ	AQ	STILLER POND												X		
2L	AQ	AQ	STILLER POND												X		
2L	AQ	AQ	STILLER POND												X		
2L	AQ	AQ	STILLER POND												X		
2L	AQ	AQ	STILLER POND												X		

ATTN: _____

Sample ID	Date	Time	Location/Sample Description
INTAKE	3/25/14	8:30	STILLER POND
GLW-136	3/25/14	11:55	STILLER POND
GLW-145	3/25/14	11:15	STILLER POND
GLW-144	3/25/14	10:25	STILLER POND
GLW-147	3/25/14	12:45	STILLER POND
INTAKE DUPL	3/25/14	8:35	STILLER POND

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
 Company: WYLLA WYLLA
 Address: 810 S MAIN
 City: MELTON State: OR Zip: 97862
 Phone: 541-938-2170 Fax: SAME
 Email: STEVEN.PATTEN@WYLLAWYLLA.ORG
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
 P = PUF, T = MM5 Train, O = Other

*Bottle Preservative Type: T = Thiosulfate,
 O = Other

WHITE - ORIGINAL YELLOW - ARCHIVE PINK - COPY

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400232 TAT 8td

Samples Arrival:	Date/Time <u>3/26/14 0959</u>	Initials: <u>BSB</u>	Location: <u>WR-2</u> Shelf/Rack: <u>NA</u>
Logged In:	Date/Time <u>3/26/14 1443</u>	Initials: <u>BSB</u>	Location: <u>WR-2</u> Shelf/Rack: <u>C4</u>
Delivered By:	FedEx <input type="checkbox"/> <u>UPS</u> <input checked="" type="checkbox"/>	On Trac <input type="checkbox"/>	DHL <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other <input type="checkbox"/>
Preservation:	<u>Ice</u> <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/> None <input type="checkbox"/>
Temp °C: <u>0.3</u> (uncorrected)	Time: <u>1001</u>		Thermometer ID: IR-1
Temp °C: <u>0.3</u> (corrected)			

	YES	NO	NA
Adequate Sample Volume Received? <u>A & B containers</u>	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>1Z62E 3F70193221754</u>			
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?			<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
			Return
			Dispose

Comments:



Burlington WA
Corporate Office

1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology

805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

June 27, 2014

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 14-10224 - Stiller Pond Site

Dear Mr. Steven Patten,

Your project: Stiller Pond Site, was received on Friday June 06, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report



Burlington WA
Corporate Office

1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

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Microbiology

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Portland OR
Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Report Date: 6/27/14

Date Received: 6/6/14

Reviewed by:

Sample Description: GW-136 - Stiller Pond									Sample Date: 6/6/14 11:20 am			
Lab Number: 24572			Sample Comment:						Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment	
E-10617	TURBIDITY	7.63	0.10		NTU	1.0	180.1	6/6/14	MMH	TURB_140606		
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.0	245.1	6/10/14	MMH	245.1_140610		
16887-00-6	CHLORIDE	4.29	0.1	0.0211	mg/L	1.0	300.0	6/6/14	SRF	I140606A		
16984-48-8	FLUORIDE	0.14	0.1	0.0054	mg/L	1.0	300.0	6/6/14	SRF	I140606A		
14797-55-8	NITRATE-N	0.48	0.100	0.0114	mg/L	1.0	300.0	6/6/14	SRF	I140606A		
14808-79-8	SULFATE	6.34	0.2	0.0174	mg/L	1.0	300.0	6/6/14	SRF	I140606A		
E-14506	ALKALINITY	160	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606		
NA	BICARBONATE	160	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606		
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606		
NA	CORROSIVITY	-0.4			SI	1.0	SM203	6/17/14	MVP	COR_140617		
E-11712	COLOR	5	5		Color Units	1.0	SM2120 B	6/6/14	MMH	COLOR_140606	pH: 7.54 FILTERED	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	211	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612		
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	211	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612		
E-10139	HYDROGEN ION (pH)	7.54			pH Units	1.0	SM4500-H+ B	6/6/14	SRF	PH_140606		
7440-70-2	CALCIUM	39.7	0.5	0.007	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B		
7439-89-6	IRON	0.64	0.050	0.0013	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B		
7439-96-5	MANGANESE	0.026	0.005	0.0001	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B		
7440-39-3	BARIUM	0.067	0.001	0.00016	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7440-43-9	CADIUM	ND	0.001	8.11E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7440-50-8	COPPER	0.0016 J	0.002	0.0015	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7439-92-1	LEAD	0.00022 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7782-49-2	SELENIUM	0.0003 J	0.005	0.00022	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7440-22-4	SILVER	ND	0.001	6.30E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		
7440-66-6	ZINC	ND	0.0025	0.00239	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW		

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: GW-145 - Stiller Pond								Sample Date: 6/6/14 11:55 am			
Lab Number: 24573		Sample Comment:						Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	15.6	0.10		NTU	1.0	180.1	6/6/14	MMH	TURB_140606	
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.0	245.1	6/10/14	MMH	245.1_140610	
16887-00-6	CHLORIDE	28	0.1	0.0211	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
16984-48-8	FLUORIDE	0.20	0.1	0.0054	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
14797-55-8	NITRATE-N	6.77	0.100	0.0114	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
14808-79-8	SULFATE	30	0.2	0.0174	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
E-14506	ALKALINITY	210	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	BICARBONATE	210	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CORROSIVITY	-0.52			SI	1.0	SM203	6/17/14	MVP	COR_140617	
E-11712	COLOR	6	5		Color Units	1.0	SM2120 B	6/6/14	MMH	COLOR_140606	pH: 7.17 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	372	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	372	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	7.17			pH Units	1.0	SM4500-H+ B	6/6/14	SRF	PH_140606	
7440-70-2	CALCIUM	56.7	0.5	0.007	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-89-6	IRON	2.62	0.050	0.0013	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-96-5	MANGANESE	0.074	0.005	0.0001	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7440-39-3	BARIUM	0.077	0.001	0.00016	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-43-9	CADMIUM	ND	0.001	8.11E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-47-3	CHROMIUM	0.001	0.001	0.00011	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-50-8	COPPER	0.0025	0.002	0.0015	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7439-92-1	LEAD	0.0005	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7782-49-2	SELENIUM	0.0004 J	0.005	0.00022	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-22-4	SILVER	ND	0.001	6.30E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-66-6	ZINC	0.0048	0.0025	0.00239	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: GW-146 - Stiller Pond								Sample Date: 6/6/14 10:35 am			
Lab Number: 24574		Sample Comment:						Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	11.0	0.10		NTU	1.0	180.1	6/6/14	MMH	TURB_140606	
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.0	245.1	6/10/14	MMH	245.1_140610	
16887-00-6	CHLORIDE	34	0.1	0.0211	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
16984-48-8	FLUORIDE	0.25	0.1	0.0054	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
14797-55-8	NITRATE-N	10	0.100	0.0114	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
14808-79-8	SULFATE	47	0.2	0.0174	mg/L	1.0	300.0	6/6/14	SRF	I140606A	
E-14506	ALKALINITY	244	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	BICARBONATE	244	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CORROSIVITY	-0.39			SI	1.0	SM203	6/17/14	MVP	COR_140617	
E-11712	COLOR	5	5		Color Units	1.0	SM2120 B	6/6/14	MMH	COLOR_140606	pH: 7.24 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	456	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	456	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	7.24			pH Units	1.0	SM4500-H+ B	6/6/14	SRF	PH_140606	
7440-70-2	CALCIUM	57.8	0.5	0.007	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-89-6	IRON	0.95	0.050	0.0013	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-96-5	MANGANESE	0.021	0.005	0.0001	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7440-39-3	BARIUM	0.081	0.001	0.00016	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-43-9	CADMIUM	ND	0.001	8.11E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-47-3	CHROMIUM	0.00065	0.001	0.00011	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-50-8	COPPER	0.0015 J	0.002	0.0015	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7439-92-1	LEAD	0.00016 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7782-49-2	SELENIUM	0.0006 J	0.005	0.00022	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-22-4	SILVER	ND	0.001	6.30E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-66-6	ZINC	0.0016 J	0.0025	0.00239	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	

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 D.F. - Dilution Factor

Data Report

Sample Description: GW-147 - Stiller Pond								Sample Date: 6/6/14 12:40 pm			
Lab Number: 24575		Sample Comment:						Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.20	0.10		NTU	1.0	180.1	6/6/14	MMH	TURB_140606	
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.0	245.1	6/10/14	MMH	245.1_140610	
16887-00-6	CHLORIDE	30	0.1	0.0211	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
16984-48-8	FLUORIDE	0.15	0.1	0.0054	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
14797-55-8	NITRATE-N	5.50	0.100	0.0114	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
14808-79-8	SULFATE	22	0.2	0.0174	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
E-14506	ALKALINITY	144	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	BICARBONATE	144	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CORROSIVITY	-0.88			SI	1.0	SM203	6/17/14	MVP	COR_140617	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	6/6/14	MMH	COLOR_140606	pH: 7.08
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	293	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	293	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	7.08			pH Units	1.0	SM4500-H+ B	6/6/14	SRF	PH_140606	
7440-70-2	CALCIUM	43.7	0.5	0.007	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-89-6	IRON	0.009 J	0.050	0.0013	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-96-5	MANGANESE	0.0003 J	0.005	0.0001	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7440-39-3	BARIUM	0.037	0.001	0.00016	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-43-9	CADMIUM	ND	0.001	8.11E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-50-8	COPPER	ND	0.002	0.0015	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7782-49-2	SELENIUM	0.0004 J	0.005	0.00022	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-22-4	SILVER	ND	0.001	6.30E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-66-6	ZINC	ND	0.0025	0.00239	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	

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 D.F. - Dilution Factor

Data Report

Sample Description: Intake - Stiller Pond								Sample Date: 6/6/14 12:55 pm			
Lab Number: 24576		Sample Comment:						Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.11	0.10		NTU	1.0	180.1	6/6/14	MMH	TURB_140606	
7439-97-6	MERCURY	ND	0.0002	5.30E-06	mg/L	1.0	245.1	6/10/14	MMH	245.1_140610	
16887-00-6	CHLORIDE	7.28	0.1	0.0211	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
16984-48-8	FLUORIDE	0.10	0.1	0.0054	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
14797-55-8	NITRATE-N	1.12	0.100	0.0114	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
14808-79-8	SULFATE	5.23	0.2	0.0174	mg/L	1.0	300.0	6/7/14	SRF	I140606A	
E-14506	ALKALINITY	55.5	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	BICARBONATE	55.5	5.00		mg CaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	6/6/14	SPL	310.2_140606	
NA	CORROSIVITY	-1.12			SI	1.0	SM203	6/17/14	MVP	COR_140617	
E-11712	COLOR	10	5		Color Units	1.0	SM2120 B	6/6/14	MMH	COLOR_140606	pH: 7.73
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	113	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	113	10		mg/L	1.0	SM2540 C	6/12/14	SRF	TDS_140612	
E-10139	HYDROGEN ION (pH)	7.73			pH Units	1.0	SM4500-H+ B	6/6/14	SRF	PH_140606	
7440-70-2	CALCIUM	13.5	0.5	0.007	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-89-6	IRON	0.17	0.050	0.0013	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7439-96-5	MANGANESE	0.004 J	0.005	0.0001	mg/L	1.0	200.7/3010A	6/10/14	BJ	200.7-140610B	
7440-39-3	BARIUM	0.015	0.001	0.00016	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-50-8	COPPER	0.0009 J	0.002	0.0015	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7782-49-2	SELENIUM	ND	0.002	0.00022	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	
7440-66-6	ZINC	0.0018 J	0.0025	0.00239	mg/L	1.0	200.8/3010A	6/11/14	MVP	200.8_140611WW	

Notes:

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 D.F. - Dilution Factor



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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24572
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24573
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24574
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24575
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

Notes:

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DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24576
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 6/6/14
Extraction Date: 6/10/14
Extraction Method: 5030B

Report Date: 6/19/14
Date Analyzed: 6/10/14
Analyst: HY
Released By:
Analytical Method: 8260B
Batch: 8260W_140610

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24572
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24573
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24574
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24575
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 6/6/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-10224**
Project: Stiller Pond Site

Lab Number: 24576
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 6/6/14
Extraction Date: 6/13/14
Extraction Method: 3510C

Report Date: 6/23/14
Date Analyzed: 6/13/14
Analyst: EM
Released By:
Analytical Method: 8081A
Batch: 8081W_140613

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
- Organochlorine Pesticides									
309-00-2	ALDRIN	ND		ug/L	0.05	0.05		1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05		1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05		1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05		1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05		1.00	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05		1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05		1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05		1.00	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05		1.00	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05		1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05		1.00	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05		1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05		1.00	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05		1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05		1.00	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05		1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05		1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05		1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05		1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

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D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140610B	CALCIUM	26.8	26	mg/L	200.7	103	85-115	LFB	
	IRON	0.96	1	mg/L	200.7	96	85-115		
	MANGANESE	0.98	1	mg/L	200.7	98	85-115		
200.8_140611WW	BARIUM	0.039	0.040	mg/L	200.8	98	85-115	LFB	
	CADMIUM	0.039	0.040	mg/L	200.8	98	85-115		
	CHROMIUM	0.036	0.040	mg/L	200.8	90	85-115		
	COPPER	0.040	0.040	mg/L	200.8	100	85-115		
	LEAD	0.036	0.040	mg/L	200.8	90	85-115		
	SELENIUM	0.039	0.040	mg/L	200.8	98	85-115		
	SILVER	0.041	0.040	mg/L	200.8	103	85-115		
	ZINC	0.038	0.040	mg/L	200.8	95	85-115		
245.1_140610	MERCURY	0.00166	0.00167	mg/L	245.1	99	85-115	LFB	
8081W_140613	4,4' - DDD	0.56	0.5	ug/L	8081A	112	78-132	LFB	
	4,4' - DDE	0.52	0.5	ug/L	8081A	104	73-127		
	4,4' - DDT	0.64	0.5	ug/L	8081A	128	56-158		
	ALDRIN	0.53	0.5	ug/L	8081A	106	68-128		
	ALPHA-CHLORDANE	0.56	0.5	ug/L	8081A	112	70-130		
	BHC, ALPHA -	0.52	0.5	ug/L	8081A	104	37-134		
	BHC, BETA -	0.58	0.5	ug/L	8081A	116	17-147		
	BHC, DELTA -	0.55	0.5	ug/L	8081A	110	32-127		
	DIELDRIN	0.56	0.5	ug/L	8081A	112	74-134		
	ENDOSULFAN I	0.5	0.5	ug/L	8081A	100	67-133		
	ENDOSULFAN II	0.55	0.5	ug/L	8081A	110	64-142		
	ENDOSULFAN SULFATE	0.51	0.5	ug/L	8081A	102	71-143		
	ENDRIN	0.59	0.5	ug/L	8081A	118	30-147		
	ENDRIN ALDEHYDE	0.54	0.5	ug/L	8081A	108	70-130		
	ENDRIN KETONE	0.64	0.5	ug/L	8081A	128	70-130		
	GAMMA-CHLORDANE	0.57	0.5	ug/L	8081A	114	74-124		
	HEPTACHLOR	0.57	0.5	ug/L	8081A	114	61-133		
HEPTACHLOR EPOXIDE "B"	0.55	0.5	ug/L	8081A	110	73-127			

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True			Method	% Recovery	QC		Comment
			Value	Units				Limits*	Qualifier Type*	
8081W_140613	LINDANE (BHC - GAMMA)	0.53	0.5	ug/L	8081A	106	17-140	LFB		
	METHOXYCHLOR	0.65	0.5	ug/L	8081A	130	41-157			
	DECACHLOROBIPHENYL (Surr)	111		%	8081A		58-132			
	TETRACHLORO-M-XYLENE (Surr)	98		%	8081A		67-115			
8260W_140610	1,1 - DICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120	LFB		
	1,1 - DICHLOROETHYLENE	3.8	4	ug/L	8260B	95	80-120			
	1,1 - DICHLOROPROPENE	3.6	4	ug/L	8260B	90	80-120			
	1,1,1 - TRICHLOROETHANE	3.8	4	ug/L	8260B	95	80-120			
	1,1,1,2 - TETRACHLOROETHANE	3.6	4	ug/L	8260B	90	80-120			
	1,1,2 - TRICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120			
	1,1,2,2 - TETRACHLOROETHANE	3.4	4	ug/L	8260B	85	80-120			
	1,2 - DICHLOROBENZENE (ortho)	3.6	4	ug/L	8260B	90	80-120			
	1,2 - DICHLOROETHANE	3.8	4	ug/L	8260B	95	80-120			
	1,2 - DICHLOROPROPANE	3.6	4	ug/L	8260B	90	80-120			
	1,2,3 - TRICHLOROBENZENE	3.3	4	ug/L	8260B	83	80-120			
	1,2,3 - TRICHLOROPROPANE	3.6	4	ug/L	8260B	90	80-120			
	1,2,4 - TRICHLOROBENZENE	3.5	4	ug/L	8260B	88	80-120			
	1,2,4 - TRIMETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120			
	1,2-DIBROMO-3-CHLOROPROPANE	3.4	4	ug/L	8260B	85	80-120			
	1,3 - DICHLOROBENZENE (meta)	3.7	4	ug/L	8260B	93	80-120			
	1,3 - DICHLOROPROPANE	3.7	4	ug/L	8260B	93	80-120			
	1,3,5 - TRIMETHYLBENZENE	3.5	4	ug/L	8260B	88	80-120			
	1,4 - DICHLOROBENZENE (para)	3.7	4	ug/L	8260B	93	80-120			
	2,2 - DICHLOROPROPANE	5.1	4	ug/L	8260B	128	80-120	HR		
	BENZENE	3.7	4	ug/L	8260B	93	80-120			
	BROMOBENZENE	3.7	4	ug/L	8260B	93	80-120			
	BROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120			
	BROMODICHLOROMETHANE	3.8	4	ug/L	8260B	95	80-120			
	BROMOFORM	3.5	4	ug/L	8260B	88	80-120			
	BROMOMETHANE	5.0	4	ug/L	8260B	125	80-120	HR		
	CARBON TETRACHLORIDE	3.7	4	ug/L	8260B	93	80-120			
	CHLOROBENZENE	3.7	4	ug/L	8260B	93	80-120			
CHLOROETHANE	4.0	4	ug/L	8260B	100	80-120				
CHLOROFORM	3.7	4	ug/L	8260B	93	80-120				

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery	Limits*	QC	
			Value	Units				Qualifier Type*	Comment
8260W_140610	CHLOROMETHANE	3.7	4	ug/L	8260B	93	80-120	LFB	
	CIS - 1,2 - DICHLOROETHENE	3.8	4	ug/L	8260B	95	80-120		
	CIS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	80-120		
	DIBROMOCHLOROMETHANE	3.6	4	ug/L	8260B	90	80-120		
	DIBROMOMETHANE	3.7	4	ug/L	8260B	93	80-120		
	DICHLORODIFLUOROMETHANE	4.1	4	ug/L	8260B	103	80-120		
	ETHYLBENZENE	3.8	4	ug/L	8260B	95	80-120		
	HEXACHLOROBUTADIENE	3.6	4	ug/L	8260B	90	80-120		
	ISOPROPYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	M,P- XYLENE	7.5	8	ug/L	8260B	94	80-120		
	METHYL TERT-BUTYL ETHER	3.7	4	ug/L	8260B	93	80-120		
	METHYLENE CHLORIDE	3.8	4	ug/L	8260B	95	80-120		
	N - BUTYLBENZENE	3.4	4	ug/L	8260B	85	80-120		
	N - PROPYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	NAPHTHALENE	3.4	4	ug/L	8260B	85	80-120		
	O - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	80-120		
	O - XYLENE	3.7	4	ug/L	8260B	93	80-120		
	P - CHLOROTOLUENE	3.7	4	ug/L	8260B	93	80-120		
	P - ISOPROPYLTOLUENE	3.5	4	ug/L	8260B	88	80-120		
	SEC - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	STYRENE	3.5	4	ug/L	8260B	88	80-120		
	TERT - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120		
	TETRACHLOROETHYLENE	3.8	4	ug/L	8260B	95	80-120		
	TOLUENE	3.8	4	ug/L	8260B	95	80-120		
	TRANS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	80-120		
	TRANS - 1,3 - DICHLOROPROPENE	3.7	4	ug/L	8260B	93	80-120		
	TRICHLOROETHENE	3.7	4	ug/L	8260B	93	80-120		
	TRICHLOROFUOROMETHANE	3.6	4	ug/L	8260B	90	80-120		
	VINYL CHLORIDE	4.1	4	ug/L	8260B	103	80-120		
	d8-TOLUENE (Surr)	102	100	%	8260B	102			

*Notation:

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
8081W_140613	4,4' - DDD	0.051	0.05	ug/L	8081A	102	78-132		LFBD	
	4,4' - DDE	0.047	0.05	ug/L	8081A	94	73-127			
	4,4' - DDT	0.051	0.05	ug/L	8081A	102	56-158			
	ALDRIN	0.042	0.05	ug/L	8081A	84	68-128			
	ALPHA-CHLORDANE	0.047	0.05	ug/L	8081A	94	70-130			
	BHC, ALPHA -	0.047	0.05	ug/L	8081A	94	37-134			
	BHC, BETA -	0.046	0.05	ug/L	8081A	92	17-147			
	BHC, DELTA -	0.05	0.05	ug/L	8081A	100	32-127			
	DIELDRIN	0.055	0.05	ug/L	8081A	110	74-134			
	ENDOSULFAN I	0.049	0.05	ug/L	8081A	98	67-133			
	ENDOSULFAN II	0.053	0.05	ug/L	8081A	106	64-142			
	ENDOSULFAN SULFATE	0.056	0.05	ug/L	8081A	112	71-143			
	ENDRIN	0.051	0.05	ug/L	8081A	102	30-147			
	ENDRIN ALDEHYDE	0.051	0.05	ug/L	8081A	102	70-130			
	ENDRIN KETONE	0.058	0.05	ug/L	8081A	116	70-130			
	GAMMA-CHLORDANE	0.05	0.05	ug/L	8081A	100	74-124			
	HEPTACHLOR	0.47	0.05	ug/L	8081A	940	61-133			
	HEPTACHLOR EPOXIDE "B"	0.051	0.05	ug/L	8081A	102	73-127			
	LINDANE (BHC - GAMMA)	0.05	0.05	ug/L	8081A	100	17-140			
	METHOXYCHLOR	0.062	0.05	ug/L	8081A	124	41-157			
DECACHLOROBIIPHENYL (Surr)	108		%	8081A		58-132				
TETRACHLORO-M-XYLENE (Surr)	98		%	8081A		67-115				

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
200.7-140610B	CALCIUM	ND		mg/L	200.7		0.00000	LRB	
	IRON	ND		mg/L	200.7		0.02500		
	MANGANESE	ND		mg/L	200.7		0.00250		
200.8_140611WV	BARIUM	ND		mg/L	200.8		0.00050	LRB	
	CADMIUM	ND		mg/L	200.8		0.00050		
	CHROMIUM	ND		mg/L	200.8		0.00250		
	COPPER	ND		mg/L	200.8		0.00250		
	LEAD	ND		mg/L	200.8		0.00050		
	SELENIUM	ND		mg/L	200.8		0.00250		
	SILVER	ND		mg/L	200.8		0.00050		
	ZINC	ND		mg/L	200.8		0.00250		
245.1_140610	MERCURY	ND		mg/L	245.1		0.00010	LRB	
310.2_140606	ALKALINITY	ND		mg CaCO3/l310.2			0.00000	LRB	
1140606A	FLUORIDE	ND		mg/L	300.0		0.01000	LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000		
	CHLORIDE	ND		mg/L	300.0		0.10000		
	SULFATE	ND		mg/L	300.0		0.10000		

*Notation:
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 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
200.7-140610B	CALCIUM	ND		mg/L	200.7	0.00000		MB	
	IRON	ND		mg/L	200.7	0.02500			
	MANGANESE	ND		mg/L	200.7	0.00250			
200.8_140611WW	BARIUM	ND		mg/L	200.8	0.00050		MB	
	CADMIUM	ND		mg/L	200.8	0.00050			
	CHROMIUM	ND		mg/L	200.8	0.00250			
	COPPER	ND		mg/L	200.8	0.00250			
	LEAD	ND		mg/L	200.8	0.00050			
	SELENIUM	ND		mg/L	200.8	0.00250			
	SILVER	ND		mg/L	200.8	0.00050			
	ZINC	ND		mg/L	200.8	0.00250			
310.2_140606	ALKALINITY	ND		mg CaCO3/l310.2		0.00000		MB	
8081W_140613	4,4' - DDD	ND		ug/L	8081A	0.02000		MB	
	4,4' - DDE	ND		ug/L	8081A	0.02000			
	4,4' - DDT	ND		ug/L	8081A	0.02000			
	ALDRIN	ND		ug/L	8081A	0.02000			
	ALPHA-CHLORDANE	ND		ug/L	8081A	0.02000			
	BHC, ALPHA -	ND		ug/L	8081A	0.02000			
	BHC, BETA -	ND		ug/L	8081A	0.02000			
	BHC, DELTA -	ND		ug/L	8081A	0.02000			
	DIELDRIN	ND		ug/L	8081A	0.02000			
	ENDOSULFAN I	ND		ug/L	8081A	0.02000			
	ENDOSULFAN II	ND		ug/L	8081A	0.02000			
	ENDOSULFAN SULFATE	ND		ug/L	8081A	0.02000			
	ENDRIN	ND		ug/L	8081A	0.02000			
	ENDRIN ALDEHYDE	ND		ug/L	8081A	0.02000			
	ENDRIN KETONE	ND		ug/L	8081A	0.02000			
	GAMMA-CHLORDANE	ND		ug/L	8081A	0.02000			
	HEPTACHLOR	ND		ug/L	8081A	0.02000			
	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A	0.02000			

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
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 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
 Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.
 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8081W_140613	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0.02000	MB	
	METHOXYCHLOR	ND		ug/L	8081A		0.02000		
	DECACHLOROBIPHENYL (Surr)	100		%	8081A				
	TETRACHLORO-M-XYLENE (Surr)	95		%	8081A				
8260W_140610	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0.12000	MB	TB 14-10224
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0.12000		TB 14-10224
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0.12000		TB 14-10224
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0.12000		TB 14-10224
	BENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
	BROMOBENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
	BROMOCHLOROMETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	BROMODICHLOROMETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	BROMOFORM	ND		ug/L	8260B		0.12000		TB 14-10224
	BROMOMETHANE	ND		ug/L	8260B		0.12000		TB 14-10224
	CARBON TETRACHLORIDE	ND		ug/L	8260B		0.12000		TB 14-10224
	CHLOROBENZENE	ND		ug/L	8260B		0.12000		TB 14-10224
CHLOROETHANE	ND		ug/L	8260B		0.12000		TB 14-10224	
CHLOROFORM	ND		ug/L	8260B		0.12000		TB 14-10224	

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
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 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits*	Qualifier Type*	
8260W_140610	CHLOROMETHANE	ND		ug/L	8260B	0.12000		MB	TB 14-10224
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000			TB 14-10224
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000			TB 14-10224
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0.12000			TB 14-10224
	DIBROMOMETHANE	ND		ug/L	8260B	0.12000			TB 14-10224
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0.12000			TB 14-10224
	ETHYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	HEXACHLOROBUTADIENE	ND		ug/L	8260B	0.12000			TB 14-10224
	ISOPROPYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	M,P- XYLENE	ND		ug/L	8260B	0.12000			TB 14-10224
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0.25000			TB 14-10224
	METHYLENE CHLORIDE	ND		ug/L	8260B	0.50000			TB 14-10224
	N - BUTYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	N - PROPYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	NAPHTHALENE	ND		ug/L	8260B	0.12000			TB 14-10224
	O - CHLOROTOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	O - XYLENE	ND		ug/L	8260B	0.12000			TB 14-10224
	P - CHLOROTOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	SEC - BUTYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	STYRENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TERT - BUTYLBENZENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TETRACHLOROETHYLENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TOLUENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRICHLOROETHENE	ND		ug/L	8260B	0.12000			TB 14-10224
	TRICHLOROFUOROMETHANE	ND		ug/L	8260B	0.12000			TB 14-10224
	VINYL CHLORIDE	ND		ug/L	8260B	0.12000			TB 14-10224
	d8-TOLUENE (Surr)	102		%	8260B				TB 14-10224
COLOR_140606	COLOR	ND		CU	SM2120 B	1.25000		MB	
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0.00000		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Recovery	Limits*	Qualifier Type*		
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000		MB	
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000		MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000			
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0.00000		MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		2.50000			
turb_140606	TURBIDITY	ND		NTU	180.1		0.02000		MB	

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
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 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
 LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.
 MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.
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 FORM: QC Independent



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits*	Qualifier Type*	Comment
200.7-140610B	IRON	1.04	1	mg/L	200.7	104	85-115	QCS	
	MANGANESE	1.03	1	mg/L	200.7	103	85-115		
200.7-140610B	CALCIUM	20.2	20	mg/L	200.7	101	85-115	QCS	
200.8_140611WW	BARIUM	0.040	0.040	mg/L	200.8	100	85-115	QCS	
	CADMIUM	0.040	0.040	mg/L	200.8	100	85-115		
	CHROMIUM	0.036	0.040	mg/L	200.8	90	85-115		
	COPPER	0.040	0.040	mg/L	200.8	100	85-115		
	LEAD	0.036	0.040	mg/L	200.8	90	85-115		
	SELENIUM	0.040	0.040	mg/L	200.8	100	85-115		
	SILVER	0.040	0.040	mg/L	200.8	100	85-115		
	ZINC	0.039	0.040	mg/L	200.8	98	85-115		
245.1_140610	MERCURY	0.00198	0.00200	mg/L	245.1	99	85-115	QCS	
310.2_140606	ALKALINITY	98.9	100	mg CaCO3/L310.2		99	85-115	QCS	
COLOR_140606	COLOR	10	10	CU	SM2120 B	100	80-120	QCS	
I140606A	FLUORIDE	2.53	2.5	mg/L	300.0	101	90-110	QCS	
	NITRATE-N	2.43	2.5	mg/L	300.0	97	80-120		
	CHLORIDE	29	30	mg/L	300.0	97	80-120		
	SULFATE	31	30	mg/L	300.0	103	80-120		
PH_140606	HYDROGEN ION (pH)	8.09	8.00	pH Units	SM4500-H+ B	101	70-130	QCS	
	HYDROGEN ION (pH)	8.10	8.00	pH Units	SM4500-H+ B	101	70-130		
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	70-130	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	80-120		

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
 NA = Indicates % Recovery could not be calculated.
 QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.
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 FORM: QC Independent



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 14-10224
Report Date: 06/27/14

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits*	Qualifier Type*			
TDS_140612	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	70-130		QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	80-120			
turb_140606	TURBIDITY	1.03	1.00	NTU	180.1	103	70-130		QCS	

*Notation:
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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 14-10224

Report Date: 6/27/2014

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
200.7-140610B										
	24572	MANGANESE	0.026	0.027	mg/L	3.8	0-20		DUP	
	24572	IRON	0.64	0.69	mg/L	7.5	0-20		DUP	
	24572	CALCIUM	39.7	39.6	mg/L	0.3	0-20		DUP	
200.8_140611WW										
	24572	COPPER	0.0016	0.0017	mg/L	6.1	0-50		DUP	
	24572	SELENIUM	0.0003	0.00036	mg/L	18.2	0-20		DUP	
	24572	BARIIUM	0.067	0.067	mg/L	0.0	0-20		DUP	
	24572	LEAD	0.00022	0.0002	mg/L	9.5	0-20		DUP	
310.2_140606										
	24576	BICARBONATE	55.5	54.8	mg CaCO3/L	1.3	0-20		DUP	
	24576	ALKALINITY	55.5	54.8	mg CaCO3/L	1.3	0-20		DUP	
8081W_140613										
	24574	DECACHLOROBIPHENYL (Surr)	88	87	%	1.1	0-35		DUP	
	24574	TETRACHLORO-M-XYLENE (Surr)	99	94	%	5.2	0-35		DUP	
8260W_140610										
	24574	1,2 - DICHLOROETHANE-d4 (Surr)	95	94	%	1.1	0-30		DUP	
	24574	1,4 - DIFLUOROBENZENE-d4 (Surr)	102	103	%	1.0	0-30		DUP	
	24574	4-BROMOFLUOROBENZENE (Surr)	103	96	%	7.0	0-30		DUP	
	24574	d8-TOLUENE (Surr)	103	103	%	0.0			DUP	
I140606A										
	24574	CHLORIDE	34	34	mg/L	0.0	0-45		DUP	
	24574	FLUORIDE	0.25	0.23	mg/L	8.3	0-20		DUP	
	24574	NITRATE-N	10	10	mg/L	0.0	0-45		DUP	
	24574	SULFATE	47	47	mg/L	0.0	0-45		DUP	

PH_140606

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		Comments
			Result	Result				Qualifier	Type	
	24572	HYDROGEN ION (pH)	7.54	7.57	pH Units	0.4	0-50		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Conc			MS	MSD				Qualifier	Type	
200.7-140610B															
	24572	MANGANESE	0.026	0.077		0.050	mg/L	102		70-130	NA	0-50			LFM
	24572	IRON	0.64	0.76		0.050	mg/L	240		70-130	NA	0-50	IS		LFM
200.8_140611WW															
	24572	CHROMIUM	ND	0.047		0.050	mg/L	94		70-130	NA	0-50			LFM
	24572	COPPER	0.0016	0.0514		0.050	mg/L	100		70-130	NA	0-50			LFM
	24572	ZINC	ND	0.052		0.050	mg/L	104		70-130	NA	0-50			LFM
	24572	SELENIUM	0.0003	0.048		0.050	mg/L	95		70-130	NA	0-50			LFM
	24572	SILVER	ND	0.053		0.050	mg/L	106		70-130	NA	0-50			LFM
	24572	CADMIUM	ND	0.043		0.050	mg/L	86		70-130	NA	0-50			LFM
	24572	BARIUM	0.067	0.115		0.050	mg/L	96		70-130	NA	0-50			LFM
	24572	LEAD	0.00022	0.047		0.050	mg/L	94		70-130	NA	0-50			LFM
310.2_140606															
	24576	BICARBONATE	55.5	308	305	250	mg CaCO3/L	101	100	70-130	1.2	0-20			LFM
	24576	ALKALINITY	55.5	308	305	250	mg CaCO3/L	101	100	70-130	1.2	0-50			LFM
8260W_140610															
	24573	1,2-DIBROMO-3-CHLOROPROPANE	ND	3.8		4	ug/L	95	NA	70-130	NA	0-60			LFM
	24573	TRANS - 1,2 - DICHLOROETHENE	ND	4.7		4	ug/L	118	NA	70-130	NA	0-60			LFM
	24573	1,1 - DICHLOROETHANE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-60			LFM
	24573	2,2 - DICHLOROPROPANE	ND	5.8		4	ug/L	145	NA	70-130	NA	0-60	HR		LFM
	24573	CIS - 1,2 - DICHLOROETHENE	ND	4.6		4	ug/L	115	NA	70-130	NA	0-60			LFM
	24573	BROMOCHLOROMETHANE	ND	4.4		4	ug/L	110	NA	70-130	NA	0-60			LFM
	24573	CHLOROFORM	ND	4.5		4	ug/L	113	NA	70-130	NA	0-60			LFM
	24573	1,1,1 - TRICHLOROETHANE	ND	4.7		4	ug/L	118	NA	70-130	NA	0-60			LFM
	24573	1,1 - DICHLOROPROPENE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-60			LFM
	24573	CARBON TETRACHLORIDE	ND	4.7		4	ug/L	118	NA	70-130	NA	0-60			LFM
	24573	BENZENE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-60			LFM
	24573	DICHLORODIFLUOROMETHANE	ND	4.8		4	ug/L	120	NA	70-130	NA	0-60			LFM
	24573	1,2 - DICHLOROETHANE	ND	4.4		4	ug/L	110	NA	70-130	NA	0-60			LFM
	24573	TRICHLOROETHENE	ND	4.6		4	ug/L	115	NA	70-130	NA	0-60			LFM
	24573	1,2 - DICHLOROPROPANE	ND	4.4		4	ug/L	110	NA	70-130	NA	0-60			LFM
	24573	DIBROMOMETHANE	ND	4.3		4	ug/L	108	NA	70-130	NA	0-60			LFM
	24573	BROMODICHLOROMETHANE	ND	4.3		4	ug/L	108	NA	70-130	NA	0-60			LFM
	24573	CIS - 1,3 - DICHLOROPROPENE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-60			LFM
	24573	TOLUENE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-60			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
					Result	Conc		MS	MSD				Qualifier	Type	
	24573	TRANS - 1,3 - DICHLOROPROPENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-60			LFM
	24573	CHLOROMETHANE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-60			LFM
	24573	1,1,2 - TRICHLOROETHANE	ND	4.3		4	ug/L	108	NA	70-130	NA	0-60			LFM
	24573	TETRACHLOROETHYLENE	ND	4.7		4	ug/L	118	NA	70-130	NA	0-60			LFM
	24573	1,3 - DICHLOROPROPANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-60			LFM
	24573	DIBROMOCHLOROMETHANE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	CHLOROBENZENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-60			LFM
	24573	1,1,1,2 - TETRACHLOROETHANE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	ETHYLBENZENE	ND	4.3		4	ug/L	108	NA	70-130	NA	0-60			LFM
	24573	M,P- XYLENE	ND	8.5		8	ug/L	106	NA	70-130	NA	0-60			LFM
	24573	VINYL CHLORIDE	ND	5.0		4	ug/L	125	NA	70-130	NA	0-60			LFM
	24573	O - XYLENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-60			LFM
	24573	STYRENE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-60			LFM
	24573	BROMOFORM	ND	3.7		4	ug/L	93	NA	70-130	NA	0-60			LFM
	24573	ISOPROPYLBENZENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	1,2,3 - TRICHLOROPROPANE	ND	3.8		4	ug/L	95	NA	70-130	NA	0-60			LFM
	24573	BROMOBENZENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	1,1,2,2 - TETRACHLOROETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-60			LFM
	24573	O - CHLOROTOLUENE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-60			LFM
	24573	N - PROPYLBENZENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-60			LFM
	24573	1,3,5 - TRIMETHYLBENZENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	BROMOMETHANE	ND	5.8		4	ug/L	145	NA	70-130	NA	0-60	HR		LFM
	24573	P - CHLOROTOLUENE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-60			LFM
	24573	TERT - BUTYLBENZENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	1,2,4 - TRIMETHYLBENZENE	ND	3.8		4	ug/L	95	NA	70-130	NA	0-60			LFM
	24573	SEC - BUTYLBENZENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-60			LFM
	24573	1,3 - DICHLOROBENZENE (meta)	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	P - ISOPROPYLTOLUENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	1,4 - DICHLOROBENZENE (para)	ND	3.9		4	ug/L	98	NA	70-130	NA	0-60			LFM
	24573	1,2 - DICHLOROBENZENE (ortho)	ND	3.9		4	ug/L	98	NA	70-130	NA	0-60			LFM
	24573	N - BUTYLBENZENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	CHLOROETHANE	ND	4.7		4	ug/L	118	NA	70-130	NA	0-60			LFM
	24573	1,2,4 - TRICHLOROBENZENE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-60			LFM
	24573	HEXACHLOROBUTADIENE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	NAPHTHALENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-60			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
					Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	24573	1,2,3 - TRICHLOROBENZENE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-60			LFM
	24573	TRICHLOROFLUOROMETHANE	ND	4.9		4	ug/L	123	NA	70-130	NA	0-60			LFM
	24573	1,1 - DICHLOROETHYLENE	ND	4.7		4	ug/L	118	NA	70-130	NA	0-60			LFM
	24573	METHYLENE CHLORIDE	ND	4.3		4	ug/L	108	NA	70-130	NA	0-60			LFM
	24573	METHYL TERT-BUTYL ETHER	ND	4.0		4	ug/L	100	NA	70-130	NA	0-60			LFM
	24573	d8-TOLUENE (Surr)	104	104		100	%	0	NA		NA				LFM
I140606A															
	24574	FLUORIDE	0.25	1.22		1	mg/L	97		90-110	NA	0-20			LFM
	24574	NITRATE-N	10	11		1	mg/L	100		80-120	NA	0-60			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: cLFMD.rpt



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 14-10224

Report Date: 06/27/14

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8081W_140613 24572	DECACHLOROBIPHENYL (Surr)	69		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	88		%		Acceptance Limits 67-115%
8260W_140610 24572	1,2 - DICHLOROETHANE-d4 (SURR)	90		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	10		%		
	4-BROMOFLUOROBENZENE (Surr)	100		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	102		%		Acceptance Range is 70-130%
8081W_140613 24573	DECACHLOROBIPHENYL (Surr)	83		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	96		%		Acceptance Limits 67-115%
8260W_140610 24573	1,2 - DICHLOROETHANE-d4 (SURR)	93		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	103		%		
	4-BROMOFLUOROBENZENE (Surr)	100		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	104		%		Acceptance Range is 70-130%
8081W_140613 24574	DECACHLOROBIPHENYL (Surr)	88		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	99		%		Acceptance Limits 67-115%
8260W_140610 24574	1,2 - DICHLOROETHANE-d4 (SURR)	95		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	102		%		
	4-BROMOFLUOROBENZENE (Surr)	103		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	103		%		Acceptance Range is 70-130%
8081W_140613 24575	DECACHLOROBIPHENYL (Surr)	92		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	97		%		Acceptance Limits 67-115%
8260W_140610 24575	1,2 - DICHLOROETHANE-d4 (SURR)	94		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	103		%		
	4-BROMOFLUOROBENZENE (Surr)	104		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	102		%		Acceptance Range is 70-130%
8081W_140613 24576	DECACHLOROBIPHENYL (Surr)	81		%	8081A	Acceptance Limits 58-132%
	TETRACHLORO-M-XYLENE (Surr)	97		%		Acceptance Limits 67-115%
8260W_140610 24576	1,2 - DICHLOROETHANE-d4 (SURR)	92		%	8260B	Acceptance Range is 70-130%
	1,4 - DIFLUOROBENZENE-d4 (Surr)	102		%		
	4-BROMOFLUOROBENZENE (Surr)	101		%		Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	104		%		Acceptance Range is 70-130%

***Notation:**

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 14-10224

Report Date: 06/27/14

Qualifier	Definition
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request

(Please complete all applicable shade)

14-102224

24572 - 24576

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Ref # <u>14-102224</u>
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program
Attn: Steven Patten	Phone: Steven Patten	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	<input type="checkbox"/> RCRA / CERCLA
Project: Stiller Pond site.	Card#:	<input type="checkbox"/> Other

ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wilsontonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsontonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Field ID	Location	Turn Around Time Required		Grab/ Comp.	Sample Matrix *	Date	Time	Analyses Requested										Number of Containers	Special Instructions Conditions on Receipt			
		Standard	Half-time (50% surcharge)					8081 (Chlorinated Pesticides)	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag, Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B.2b (Surface water)							
1	GLU-136	STEVEN POND	6	GLW	6/5/14	11:20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	GLU-175	STEVEN POND	6	GLW	6/5/14	11:55		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3	GLU-176	STEVEN POND	6	GLW	6/5/14	10:35		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	GLU-177	STEVEN POND	6	GLW	6/5/14	12:10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5	TRUSTEE	STEVEN POND	6	SW	6/5/14	12:55		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
6								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil

Relinquished by	Date	Time	Received by	Date	Time
<u>STEVEN PATTEN</u>	<u>6/5/14</u>	<u>13:30</u>	<u>VP</u>	<u>6/14</u>	<u>09:30</u>

Custody seals intact Yes No N/A

Sample temp C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A



PLEASE NOTE
 REPAIRS
 FOR CONTAINERS
 RETURNED
 DATE MAY 2013
 KEVIN

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #
Ship Address: 810 S Main Street	Address: 810 South Main Street	Check Regulatory Program
City: Milton-Freewe St. OR zip: 97862	City: Milton-Freewe St. OR zip: 97862	<input type="checkbox"/> Safe Drinking Water Act
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Clean Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> RCRA / CERCLA
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> Other
Project: Stiller Pond site.	Card#:	

ANALYTICAL LABORATORIES
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 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	TRIP BLANK (8260)	Analyses Requested				Number of Containers	Special Instructions Conditions on Receipt		
1	GLW-136	6	GLW	6/5/14	11:20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	GLW-145	6	GLW	6/5/14	11:55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	GLW-146	6	GLW	6/5/14	10:35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	GLW-147	6	GLW	6/5/14	12:40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	DONAKE	6	SW	6/5/14	12:55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE											Total Containers			

Sample Receipt Request (Must include FAX or Email)

* W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: Steven Patten Date: 6/5/14 Time: _____ Received by: UPS Date: _____ Time: _____

Custody seals intact Yes No N/A

Sample temp _____ C satisfactory Yes No N/A

Samples received intact Yes No N/A





Burlington WA
 Corporate Office
 1620 S Walnut St - 98233
 800.755.9295 • 360.757.1400 • 360.757.1402fax

INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-10224**

Date: June 30, 2014

Project: Stiller Pond Site

Date Received: June 06, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	24572.00	GW-136	Stiller Pond	Pesticides in Water	\$190.00
2	24572.00	GW-136	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
3	24572.00	GW-136	Stiller Pond	Total Metals in Water	\$168.00
4	24572.00	GW-136	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
5	24572.00	GW-136	Stiller Pond	Chloride	\$21.00
6	24572.10	GW-136	Stiller Pond	Sulfate	\$20.00
7	24572.10	GW-136	Stiller Pond	Fluoride	\$21.00
8	24572.10	GW-136	Stiller Pond	Total Dissolved Solids	\$20.00
9	24572.10	GW-136	Stiller Pond	Color	\$19.00
10	24572.10	GW-136	Stiller Pond	Nitrate-N	\$21.00
11	24572.10	GW-136	Stiller Pond	Turbidity	\$15.00
12	24572.10	GW-136	Stiller Pond	Corrosivity	\$53.00
13	24572.10	GW-136	Stiller Pond	Chromogenic Substrate Test (Coliforms)	
14	24573.00	GW-145	Stiller Pond	Pesticides in Water	\$182.00
15	24573.00	GW-145	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
16	24573.00	GW-145	Stiller Pond	Total Metals in Water	\$168.00
17	24573.00	GW-145	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
18	24573.00	GW-145	Stiller Pond	Chloride	\$21.00
19	24573.10	GW-145	Stiller Pond	Sulfate	\$20.00
20	24573.10	GW-145	Stiller Pond	Fluoride	\$21.00
21	24573.10	GW-145	Stiller Pond	Total Dissolved Solids	\$20.00
22	24573.10	GW-145	Stiller Pond	Color	\$19.00
23	24573.10	GW-145	Stiller Pond	Nitrate-N	\$21.00
24	24573.10	GW-145	Stiller Pond	Turbidity	\$15.00
25	24573.10	GW-145	Stiller Pond	Corrosivity	\$53.00
26	24573.10	GW-145	Stiller Pond	Chromogenic Substrate Test (Coliforms)	
27	24574.00	GW-146	Stiller Pond	Pesticides in Water	\$182.00
28	24574.00	GW-146	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00

Thank You for Your Business

Please pay to corporate office by July 30, 2014 to avoid a 1.5% per month finance charge.



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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-10224**

Date: June 30, 2014

Project: Stiller Pond Site

Date Received: June 06, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
29	24574.00	GW-146	Stiller Pond	Total Metals in Water	\$168.00
30	24574.00	GW-146	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
31	24574.00	GW-146	Stiller Pond	Chloride	\$21.00
32	24574.10	GW-146	Stiller Pond	Sulfate	\$20.00
33	24574.10	GW-146	Stiller Pond	Fluoride	\$21.00
34	24574.10	GW-146	Stiller Pond	Total Dissolved Solids	\$20.00
35	24574.10	GW-146	Stiller Pond	Color	\$19.00
36	24574.10	GW-146	Stiller Pond	Nitrate-N	\$21.00
37	24574.10	GW-146	Stiller Pond	Turbidity	\$15.00
38	24574.10	GW-146	Stiller Pond	Corrosivity	\$53.00
39	24574.10	GW-146	Stiller Pond	Chromogenic Substrate Test (Coliforms)	
40	24575.00	GW-147	Stiller Pond	Pesticides in Water	\$182.00
41	24575.00	GW-147	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
42	24575.00	GW-147	Stiller Pond	Total Metals in Water	\$168.00
43	24575.00	GW-147	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
44	24575.00	GW-147	Stiller Pond	Chloride	\$21.00
45	24575.10	GW-147	Stiller Pond	Sulfate	\$20.00
46	24575.10	GW-147	Stiller Pond	Fluoride	\$21.00
47	24575.10	GW-147	Stiller Pond	Total Dissolved Solids	\$20.00
48	24575.10	GW-147	Stiller Pond	Color	\$19.00
49	24575.10	GW-147	Stiller Pond	Nitrate-N	\$21.00
50	24575.10	GW-147	Stiller Pond	Turbidity	\$15.00
51	24575.10	GW-147	Stiller Pond	Corrosivity	\$53.00
52	24575.10	GW-147	Stiller Pond	Chromogenic Substrate Test (Coliforms)	
53	24576.00	Intake	Stiller Pond	Pesticides in Water	\$182.00
54	24576.00	Intake	Stiller Pond	Volatile Organic Compounds GC/MS	\$261.00
55	24576.00	Intake	Stiller Pond	Total Metals in Water	\$168.00
56	24576.00	Intake	Stiller Pond	carbonate/bicarbonate/hydroxide	\$25.00
57	24576.00	Intake	Stiller Pond	Chloride	\$21.00

Thank You for Your Business

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INVOICE

Client No: WAL06

Please include Reference number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
 810 SOUTH MAIN STREET
 MILTON-FREEWATER, OR 97862

Reference: **14-10224**

Date: June 30, 2014

Project: Stiller Pond Site

Date Received: June 06, 2014

Purchase Order:

Attn: Steven Patton

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
58	24576.10	Intake	Stiller Pond	Sulfate	\$20.00
59	24576.10	Intake	Stiller Pond	Fluoride	\$21.00
60	24576.10	Intake	Stiller Pond	Total Dissolved Solids	\$20.00
61	24576.10	Intake	Stiller Pond	Color	\$19.00
62	24576.10	Intake	Stiller Pond	Nitrate-N	\$21.00
63	24576.10	Intake	Stiller Pond	Turbidity	\$15.00
64	24576.10	Intake	Stiller Pond	Corrosivity	\$53.00
65	24576.10		Shipping Charge	SHIPPING CHARGE	\$51.91
66	24576.10	Intake	Stiller Pond	QuantiTray Total Coliform and E Coli Cour	
67	24576.10	Intake	Stiller Pond	SHIPPING CHARGE	\$331.99

Grand Total: \$4,521.90

Amount Paid: \$0.00

Amount Due: **\$4,521.90**

Thank You for Your Business

Please pay to corporate office by July 30, 2014 to avoid a 1.5% per month finance charge.



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Microbiology

805 W Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-10218
Project: Stiller Pond Site

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Stiller Pond
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-24559
Field ID: GW-136
Date Collected: 6/5/14 11:20
Date Received: 6/6/14
Date Analyzed: 6/07/14 14:20
Report Date: 6/10/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Satisfactory, Coliforms Absent	per 100mL	jmm	SM9223 B	M_140606V	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140606V	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample.
If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



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Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-10218
Project: Stiller Pond Site

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Stiller Pond
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-24560
Field ID: GW-145
Date Collected: 6/5/14 11:55
Date Received: 6/6/14
Date Analyzed: 6/07/14 14:20
Report Date: 6/10/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Satisfactory, Coliforms Absent	per 100mL	jmm	SM9223 B	M_140606V	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140606V	

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- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
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Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-10218
Project: Stiller Pond Site

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Stiller Pond
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-24561
Field ID: GW-146
Date Collected: 6/5/14 10:35
Date Received: 6/6/14
Date Analyzed: 6/07/14 14:20
Report Date: 6/10/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Satisfactory, Coliforms Absent	per 100mL	jmm	SM9223 B	M_140606V	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140606V	

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- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
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Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-10218
Project: Stiller Pond Site

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Stiller Pond
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-24562
Field ID: GW-147
Date Collected: 6/5/14 12:40
Date Received: 6/6/14
Date Analyzed: 6/07/14 14:20
Report Date: 6/10/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Satisfactory, Coliforms Absent	per 100mL	jmm	SM9223 B	M_140606V	
3	E. COLI	Absent	per 100mL		SM9223 B	M_140606V	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

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- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
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Portland OR
Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 14-10218
Project: Stiller Pond Site

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Stiller Pond
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-24563
Field ID: Intake
Date Collected: 6/5/14 12:55
Date Received: 6/6/14
Date Analyzed: 6/07/14 14:20
Report Date: 6/10/14
Comment:
Peer Review:

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
3	E. Coli	65.7	MPN/100mL	jmm	SM9223 B.2.1	QT_140606	
1	TOTAL COLIFORM	>2419.6	MPN/100mL		SM9223 B.2.1	QT_140606	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
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Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

22724



Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Council	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Ref #
City: Milton-Freewc St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA
Project: Stiller Pond site.	Card#:	<input type="checkbox"/> Other

Analyses Requested

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8260	Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Fe, Mn, Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B, 2b (Surface Water)	Number of Containers
1	Stiller Pond	G	GW	6/5/14	11:20							<input checked="" type="checkbox"/>		1
2	Stiller Pond	G	GW	6/5/14	11:55							<input checked="" type="checkbox"/>		1
3	Stiller Pond	G	GW	6/5/14	10:35							<input checked="" type="checkbox"/>		1
4	Stiller Pond	G	GW	6/5/14	12:40							<input checked="" type="checkbox"/>		1
5	Troutlake	G	SW	6/5/14	12:55							<input checked="" type="checkbox"/>		1
6														
7														
8														
9														
10														

Special Instructions: Conditions on Receipt

Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE Total Containers: 5

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil
 Other

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Sample temp	C satisfactory	Samples received intact	Chain of custody & labels agree
<u>Steven Patten</u>	<u>6/5/14</u>	<u>13:30</u>	<u>UPS</u>			<input type="checkbox"/>	<u>C</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

June 19, 2014

Vista Project I.D.: 1400409

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on June 06, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400409

Case Narrative

Sample Condition on Receipt:

Five aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected at 33.0 pg/L in the method blank, which is above the quantitation limit of 10.0 pg/L. No other analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	32
Certifications.....	33
Sample Receipt.....	34

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400409-01	GW-136	05-Jun-14 11:15	06-Jun-14 09:38	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400409-02	GW-145	05-Jun-14 11:55	06-Jun-14 09:38	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400409-03	GW-146	05-Jun-14 10:30	06-Jun-14 09:38	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400409-04	GW-147	05-Jun-14 12:40	06-Jun-14 09:38	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400409-05	Intake	05-Jun-14 12:55	06-Jun-14 09:38	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4F0029	Lab Sample: B4F0029-BLK1
Sample Size: 1.00 L	Date Extracted: 10-Jun-2014 8:13	Date Analyzed: 17-Jun-14 16:09 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.93			PCB-43/49	ND		0.940	
PCB-2	ND	1.95			PCB-44	ND	0.850		
PCB-3	ND	1.91			PCB-45	ND	0.835		
PCB-4/10	ND	7.38			PCB-46	ND	0.924		
PCB-5/8	ND	5.68			PCB-47	ND	0.718		
PCB-6	ND	5.72			PCB-48/75	ND	0.581		
PCB-7/9	ND	5.65			PCB-50	ND	0.813		
PCB-11	33.9				PCB-51	ND	0.690		
PCB-12/13	ND	5.56			PCB-52/69	1.67			J
PCB-14	ND	4.65			PCB-53	ND	0.683		
PCB-15	ND	5.43			PCB-54	ND	0.612		
PCB-16/32	1.89			J	PCB-55	ND	0.528		
PCB-17	ND	0.778			PCB-56/60	ND	0.560		
PCB-18	ND		1.66		PCB-57	ND	0.507		
PCB-19	ND	0.900			PCB-58	ND	0.536		
PCB-20/21/33	ND		1.37		PCB-61/70	1.09			J
PCB-22	ND	0.526			PCB-62	ND	0.585		
PCB-23	ND	0.516			PCB-63	ND	0.518		
PCB-24/27	ND	0.587			PCB-65	ND	0.582		
PCB-25	ND	0.566			PCB-67	ND	0.560		
PCB-26	ND	0.590			PCB-68	ND	0.526		
PCB-28	2.18			J	PCB-73	ND	0.557		
PCB-29	ND	0.565			PCB-74	ND	0.471		
PCB-30	ND	0.599			PCB-76/66	ND	0.498		
PCB-31	2.10			J	PCB-77	ND	0.447		
PCB-34	ND	0.575			PCB-78	ND	0.507		
PCB-35	ND	0.503			PCB-79	ND	0.563		
PCB-36	ND	0.494			PCB-80	ND	0.472		
PCB-37	ND	0.537			PCB-81	ND	0.442		
PCB-38	ND	0.472			PCB-82	ND	1.59		
PCB-39	ND	0.477			PCB-83	ND	1.05		
PCB-40	ND	0.996			PCB-84/92	ND	1.44		
PCB-41/64/71/72	1.23			J	PCB-85/116	ND	1.22		
PCB-42/59	ND	0.637			PCB-86	ND	1.62		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4F0029
Date Extracted: 10-Jun-2014 8:13Lab Sample: B4F0029-BLK1
Date Analyzed: 17-Jun-14 16:09 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.06			PCB-133/142	ND	0.721		
PCB-88/91	ND	1.52			PCB-134/143	ND	0.711		
PCB-89	ND	1.48			PCB-135	ND	2.19		
PCB-90/101	ND	1.26			PCB-136	ND	1.56		
PCB-93	ND	1.48			PCB-137	ND	0.690		
PCB-94	ND	1.49			PCB-138/163/164	ND	0.563		
PCB-95/98/102	ND	1.39			PCB-139/149	ND	1.90		
PCB-96	ND	1.21			PCB-140	ND	2.18		
PCB-97	ND	1.31			PCB-141	ND	0.741		
PCB-99	ND	1.20			PCB-144	ND	2.05		
PCB-100	ND	1.31			PCB-145	ND	1.41		
PCB-103	ND	1.40			PCB-146/165	ND	0.553		
PCB-104	ND	1.03			PCB-147	ND	1.99		
PCB-105	ND	0.538			PCB-148	ND	1.98		
PCB-106/118	ND	0.984			PCB-150	ND	1.45		
PCB-107/109	ND	0.925			PCB-151	ND	2.12		
PCB-108/112	ND	1.27			PCB-152	ND	1.42		
PCB-110	ND	0.994			PCB-153	ND	0.562		
PCB-111/115	ND	0.943			PCB-154	ND	1.84		
PCB-113	ND	1.06			PCB-155	ND	1.35		
PCB-114	ND	0.545			PCB-156	ND	0.468		
PCB-119	ND	0.941			PCB-157	ND	0.521		
PCB-120	ND	0.921			PCB-158/160	ND	0.544		
PCB-121	ND	1.00			PCB-159	ND	0.551		
PCB-122	ND	0.606			PCB-166	ND	0.534		
PCB-123	ND	0.992			PCB-167	ND	0.498		
PCB-124	ND	0.884			PCB-168	ND	0.487		
PCB-126	ND	0.567			PCB-169	ND	0.390		
PCB-127	ND	0.580			PCB-170	ND	0.469		
PCB-128/162	ND	0.606			PCB-171	ND	0.510		
PCB-129	ND	0.800			PCB-172	ND	0.569		
PCB-130	ND	0.805			PCB-173	ND	0.608		
PCB-131	ND	0.756			PCB-174	ND	0.507		
PCB-132/161	ND	0.585			PCB-175	ND	0.632		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4F0029	Lab Sample: B4F0029-BLK1
Sample Size: 1.00 L	Date Extracted: 10-Jun-2014 8:13	Date Analyzed: 17-Jun-14 16:09 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.460			Total triCB	6.18		9.21	
PCB-177	ND	0.547			Total tetraCB	4.00		4.94	J
PCB-178	ND	0.670			Total pentaCB	ND	1.62		
PCB-179	ND	0.475			Total hexaCB	ND	2.19		
PCB-180	ND	0.499			Total heptaCB	ND	0.670		
PCB-181	ND	0.492			Total octaCB	ND	1.25		
PCB-182/187	ND	0.587			Total nonaCB	ND	0.567		
PCB-183	ND	0.571			DecaCB	ND	0.584		
PCB-184	ND	0.494			Total PCB	44.1			
PCB-185	ND	0.508							
PCB-186	ND	0.462							
PCB-188	ND	0.424							
PCB-189	ND	0.234							
PCB-190	ND	0.335							
PCB-191	ND	0.416							
PCB-192	ND	0.435							
PCB-193	ND	0.405							
PCB-194	ND	0.409							
PCB-195	ND	0.410							
PCB-196/203	ND	1.11							
PCB-197	ND	0.871							
PCB-198	ND	1.25							
PCB-199	ND	1.16							
PCB-200	ND	0.903							
PCB-201	ND	0.852							
PCB-202	ND	0.865							
PCB-204	ND	0.918							
PCB-205	ND	0.340							
PCB-206	ND	0.567							
PCB-207	ND	0.350							
PCB-208	ND	0.338							
PCB-209	ND	0.584							
Total monoCB	ND	1.95							
Total diCB	33.9								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4F0029	Lab Sample: B4F0029-BLK1
Sample Size: 1.00 L	Date Extracted: 10-Jun-2014 8:13	Date Analyzed: 17-Jun-14 16:09 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	61.8	5 - 145		13C-PCB-157	88.7	10 - 145	
13C-PCB-3	69.4	5 - 145		13C-PCB-159	83.2	10 - 145	
13C-PCB-4	53.0	5 - 145		13C-PCB-167	86.9	10 - 145	
13C-PCB-11	69.2	5 - 145		13C-PCB-169	117	10 - 145	
13C-PCB-9	55.6	5 - 145		13C-PCB-170	76.2	10 - 145	
13C-PCB-19	69.1	5 - 145		13C-PCB-180	68.1	10 - 145	
13C-PCB-28	71.9	5 - 145		13C-PCB-188	57.1	10 - 145	
13C-PCB-32	71.3	5 - 145		13C-PCB-189	99.4	10 - 145	
13C-PCB-37	93.3	5 - 145		13C-PCB-194	70.8	10 - 145	
13C-PCB-47	72.9	5 - 145		13C-PCB-202	44.1	10 - 145	
13C-PCB-52	72.0	5 - 145		13C-PCB-206	63.4	10 - 145	
13C-PCB-54	63.5	5 - 145		13C-PCB-208	58.6	10 - 145	
13C-PCB-70	81.3	5 - 145		13C-PCB-209	49.5	10 - 145	
13C-PCB-77	106	10 - 145		CRS 13C-PCB-79	97.3	10 - 145	
13C-PCB-80	78.4	10 - 145		13C-PCB-178	69.3	10 - 145	
13C-PCB-81	101	10 - 145					
13C-PCB-95	78.0	10 - 145					
13C-PCB-97	87.5	10 - 145					
13C-PCB-101	80.5	10 - 145					
13C-PCB-104	72.9	10 - 145					
13C-PCB-105	91.7	10 - 145					
13C-PCB-114	86.4	10 - 145					
13C-PCB-118	89.4	10 - 145					
13C-PCB-123	92.5	10 - 145					
13C-PCB-126	103	10 - 145					
13C-PCB-127	96.7	10 - 145					
13C-PCB-138	79.9	10 - 145					
13C-PCB-141	79.8	10 - 145					
13C-PCB-153	79.1	10 - 145					
13C-PCB-155	49.8	10 - 145					
13C-PCB-156	89.9	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL - Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4F0029
Date Extracted: 10-Jun-2014 8:13Lab Sample: B4F0029-BS1
Date Analyzed: 17-Jun-14 14:01 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	822	1000	82.2	60 - 135	IS 13C-PCB-1	61.2	15 - 145
PCB-3	821	1000	82.1	60 - 135	IS 13C-PCB-3	71.7	15 - 145
PCB-4/10	3820	4000	95.5	60 - 135	IS 13C-PCB-4	53.0	15 - 145
PCB-15	2190	2000	110	60 - 135	IS 13C-PCB-11	66.7	15 - 145
PCB-19	1030	1000	103	60 - 135	IS 13C-PCB-9	53.8	15 - 145
PCB-37	1240	1000	124	60 - 135	IS 13C-PCB-19	67.0	15 - 145
PCB-54	1190	1000	119	60 - 135	IS 13C-PCB-28	76.8	15 - 145
PCB-77	1100	1000	110	60 - 135	IS 13C-PCB-32	68.2	15 - 145
PCB-81	1070	1000	107	60 - 135	IS 13C-PCB-37	95.3	15 - 145
PCB-104	1140	1000	114	60 - 135	IS 13C-PCB-47	71.3	15 - 145
PCB-105	934	1000	93.4	60 - 135	IS 13C-PCB-52	71.1	15 - 145
PCB-106/118	2300	2000	115	60 - 135	IS 13C-PCB-54	65.6	15 - 145
PCB-114	933	1000	93.3	60 - 135	IS 13C-PCB-70	81.3	15 - 145
PCB-126	957	1000	95.7	60 - 135	IS 13C-PCB-77	108	40 - 145
PCB-155	1110	1000	111	60 - 135	IS 13C-PCB-80	81.3	40 - 145
PCB-156	953	1000	95.3	60 - 135	IS 13C-PCB-81	102	40 - 145
PCB-157	967	1000	96.7	60 - 135	IS 13C-PCB-95	78.7	40 - 145
PCB-167	961	1000	96.1	60 - 135	IS 13C-PCB-97	86.0	40 - 145
PCB-169	958	1000	95.8	60 - 135	IS 13C-PCB-101	84.4	40 - 145
PCB-188	1080	1000	108	60 - 135	IS 13C-PCB-104	73.5	40 - 145
PCB-189	1060	1000	106	60 - 135	IS 13C-PCB-105	96.3	40 - 145
PCB-202	1060	1000	106	60 - 135	IS 13C-PCB-114	87.8	40 - 145
PCB-205	1090	1000	109	60 - 135	IS 13C-PCB-118	93.7	40 - 145
PCB-206	974	1000	97.4	60 - 135	IS 13C-PCB-123	99.5	40 - 145
PCB-208	982	1000	98.2	60 - 135	IS 13C-PCB-126	110	40 - 145
PCB-209	989	1000	98.9	60 - 135	IS 13C-PCB-127	101	40 - 145
					IS 13C-PCB-138	84.5	40 - 145
					IS 13C-PCB-141	83.7	40 - 145
					IS 13C-PCB-153	84.9	40 - 145
					IS 13C-PCB-155	51.0	40 - 145
					IS 13C-PCB-156	97.6	40 - 145
					IS 13C-PCB-157	96.3	40 - 145
					IS 13C-PCB-159	89.3	40 - 145
					IS 13C-PCB-167	94.4	40 - 145
					IS 13C-PCB-169	118	40 - 145
					IS 13C-PCB-170	80.0	40 - 145
					IS 13C-PCB-180	73.1	40 - 145
					IS 13C-PCB-188	58.6	40 - 145
					IS 13C-PCB-189	97.8	40 - 145
					IS 13C-PCB-194	82.6	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4F0029
Date Extracted: 10-Jun-2014 8:13

Lab Sample: B4F0029-BS1
Date Analyzed: 17-Jun-14 14:01 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	45.6	40 - 145
					IS 13C-PCB-206	71.9	40 - 145
					IS 13C-PCB-208	69.6	40 - 145
					IS 13C-PCB-209	52.3	40 - 145
					CRS 13C-PCB-79	102	40 - 145
					CRS 13C-PCB-178	73.4	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-136

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400409-01	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond		Sample Size:	0.955 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 11:15					Date Analyzed :	17-Jun-14 17:12 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	23.0				PCB-44	20.6			
PCB-2	ND	3.20			PCB-45	9.01			
PCB-3	9.61				PCB-46	ND		3.36	
PCB-4/10	57.3				PCB-47	4.57			J
PCB-5/8	150				PCB-48/75	4.81			J
PCB-6	27.0				PCB-50	ND	1.39		
PCB-7/9	ND	12.3			PCB-51	ND		1.16	
PCB-11	43.1			B	PCB-52/69	19.4			B
PCB-12/13	ND	11.6			PCB-53	6.82			
PCB-14	ND	9.74			PCB-54	ND	1.05		
PCB-15	52.6				PCB-55	ND	0.885		
PCB-16/32	73.8			B	PCB-56/60	4.45			J
PCB-17	36.4				PCB-57	ND	0.844		
PCB-18	112				PCB-58	ND	0.893		
PCB-19	11.8				PCB-61/70	7.77			J, B
PCB-20/21/33	70.2				PCB-62	ND	0.966		
PCB-22	35.8				PCB-63	ND	0.863		
PCB-23	ND	0.792			PCB-65	ND	0.961		
PCB-24/27	8.58			J	PCB-67	ND	0.933		
PCB-25	7.34				PCB-68	ND	0.868		
PCB-26	19.2				PCB-73	ND	1.02		
PCB-28	67.9			B	PCB-74	ND			
PCB-29	ND	0.866			PCB-76/66	5.13			J
PCB-30	ND	0.735			PCB-77	1.09			J
PCB-31	95.0			B	PCB-78	ND	0.903		
PCB-34	ND	0.881			PCB-79	ND	0.944		
PCB-35	1.41			J	PCB-80	ND	0.791		
PCB-36	ND	0.767			PCB-81	ND	0.786		
PCB-37	15.1				PCB-82	ND	3.12		
PCB-38	ND	0.732			PCB-83	ND	2.03		
PCB-39	ND	0.740			PCB-84/92	ND	2.96		
PCB-40	4.92			J	PCB-85/116	ND	2.36		
PCB-41/64/71/72	15.4			J, B	PCB-86	ND	3.13		
PCB-42/59	7.18			J	PCB-87/117/125	ND	2.05		
PCB-43/49	13.7				PCB-88/91	ND	3.03		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-01
Project:	Stiller Pond	Sample Size:	0.955 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 11:15			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 17:12
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.04			PCB-136	ND	2.89		
PCB-90/101	ND	2.58			PCB-137	ND	1.07		
PCB-93	ND	2.95			PCB-138/163/164	ND	0.961		
PCB-94	ND	2.98			PCB-139/149	ND	3.53		
PCB-95/98/102	ND		4.38		PCB-140	ND	4.03		
PCB-96	ND	2.47			PCB-141	ND	1.15		
PCB-97	ND	2.53			PCB-144	ND	3.79		
PCB-99	ND	2.46			PCB-145	ND	2.61		
PCB-100	ND	2.66			PCB-146/165	ND	0.808		
PCB-103	ND	2.86			PCB-147	ND	3.69		
PCB-104	ND	2.09			PCB-148	ND	3.66		
PCB-105	ND	0.828			PCB-150	ND	2.69		
PCB-106/118	ND	2.04			PCB-151	ND	3.93		
PCB-107/109	ND	1.81			PCB-152	ND	2.62		
PCB-108/112	ND	2.44			PCB-153	ND	0.820		
PCB-110	3.61			J	PCB-154	ND	3.41		
PCB-111/115	ND	1.82			PCB-155	ND	2.50		
PCB-113	ND	2.17			PCB-156	ND	0.864		
PCB-114	ND	1.11			PCB-157	ND	0.917		
PCB-119	ND	1.82			PCB-158/160	ND	0.929		
PCB-120	ND	1.78			PCB-159	ND	0.898		
PCB-121	ND	2.00			PCB-166	ND	0.870		
PCB-122	ND	1.24			PCB-167	ND	0.854		
PCB-123	ND	1.94			PCB-168	ND	0.711		
PCB-124	ND	1.73			PCB-169	ND	0.720		
PCB-126	ND	1.05			PCB-170	ND	0.814		
PCB-127	ND	0.885			PCB-171	ND	0.903		
PCB-128/162	ND	0.987			PCB-172	ND	1.01		
PCB-129	ND	1.37			PCB-173	ND	1.08		
PCB-130	ND	1.25			PCB-174	ND	0.897		
PCB-131	ND	1.10			PCB-175	ND	1.01		
PCB-132/161	ND	0.855			PCB-176	ND	0.735		
PCB-133/142	ND	1.05			PCB-177	ND	0.968		
PCB-134/143	ND	1.04			PCB-178	ND	1.07		
PCB-135	ND	4.06			PCB-179	ND	0.760		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-01
Project:	Stiller Pond	Sample Size:	0.955 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 11:15			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 17:12
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.883			Total octaCB	ND	2.75		
PCB-181	ND	0.871			Total nonaCB	ND	0.987		
PCB-182/187	ND	0.937			DecaCB	ND	0.993		
PCB-183	ND	0.912			Total PCB	1050			B
PCB-184	ND	0.789							
PCB-185	ND	0.900							
PCB-186	ND	0.738							
PCB-188	ND	0.677							
PCB-189	ND	0.429							
PCB-190	ND	0.582							
PCB-191	ND	0.736							
PCB-192	ND	0.771							
PCB-193	ND	0.718							
PCB-194	ND	0.800							
PCB-195	ND	0.803							
PCB-196/203	ND	2.45							
PCB-197	ND	1.92							
PCB-198	ND	2.75							
PCB-199	ND	2.56							
PCB-200	ND	1.99							
PCB-201	ND	1.88							
PCB-202	ND	1.91							
PCB-204	ND	2.02							
PCB-205	ND	0.665							
PCB-206	ND	0.987							
PCB-207	ND	0.595							
PCB-208	ND	0.574							
PCB-209	ND	0.993							
Total monoCB	32.6								
Total diCB	330			B					
Total triCB	554			B					
Total tetraCB	125		129	B					
Total pentaCB	3.61		7.99						
Total hexaCB	ND	4.06							
Total heptaCB	ND	1.08							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-01
Project:	Stiller Pond	Sample Size:	0.955 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 11:15			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 17:12
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	56.0	5 -145		13C-PCB-170	67.4	10 -145	
13C-PCB-3	62.1	5 -145		13C-PCB-180	63.1	10 -145	
13C-PCB-4	51.8	5 -145		13C-PCB-188	55.9	10 -145	
13C-PCB-11	65.8	5 -145		13C-PCB-189	79.0	10 -145	
13C-PCB-9	53.7	5 -145		13C-PCB-194	71.5	10 -145	
13C-PCB-19	64.7	5 -145		13C-PCB-202	38.8	10 -145	
13C-PCB-28	71.8	5 -145		13C-PCB-206	64.9	10 -145	
13C-PCB-32	65.0	5 -145		13C-PCB-208	58.0	10 -145	
13C-PCB-37	88.4	5 -145		13C-PCB-209	43.0	10 -145	
13C-PCB-47	73.1	5 -145		CRS 13C-PCB-79	96.8	10 -145	
13C-PCB-52	70.9	5 -145		13C-PCB-178	63.1	10 -145	
13C-PCB-54	66.6	5 -145					
13C-PCB-70	77.6	5 -145					
13C-PCB-77	97.4	10 -145					
13C-PCB-80	78.1	10 -145					
13C-PCB-81	91.8	10 -145					
13C-PCB-95	73.6	10 -145					
13C-PCB-97	80.7	10 -145					
13C-PCB-101	77.6	10 -145					
13C-PCB-104	72.0	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	78.6	10 -145					
13C-PCB-118	85.8	10 -145					
13C-PCB-123	89.6	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	111	10 -145					
13C-PCB-138	74.9	10 -145					
13C-PCB-141	77.7	10 -145					
13C-PCB-153	89.4	10 -145					
13C-PCB-155	48.8	10 -145					
13C-PCB-156	83.4	10 -145					
13C-PCB-157	82.5	10 -145					
13C-PCB-159	79.6	10 -145					
13C-PCB-167	82.7	10 -145					
13C-PCB-169	103	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400409-02	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond		Sample Size:	0.997 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 11:55					Date Analyzed :	17-Jun-14 18:16 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	22.9				PCB-44	21.2			
PCB-2	ND	3.38			PCB-45	9.09			
PCB-3	10.2				PCB-46	4.12			J
PCB-4/10	58.6				PCB-47	91.1			
PCB-5/8	158				PCB-48/75	5.19			J
PCB-6	28.4				PCB-50	ND	0.944		
PCB-7/9	ND	10.5			PCB-51	17.0			
PCB-11	47.8			B	PCB-52/69	20.3			B
PCB-12/13	ND	9.87			PCB-53	6.20			
PCB-14	ND	8.26			PCB-54	ND	0.711		
PCB-15	53.8				PCB-55	ND	0.638		
PCB-16/32	75.9			B	PCB-56/60	4.54			J
PCB-17	38.8				PCB-57	ND	0.595		
PCB-18	112				PCB-58	ND	0.630		
PCB-19	12.1				PCB-61/70	8.77			J, B
PCB-20/21/33	72.4				PCB-62	ND	0.734		
PCB-22	36.7				PCB-63	ND	0.609		
PCB-23	ND	0.724			PCB-65	ND	0.730		
PCB-24/27	8.79			J	PCB-67	ND	0.658		
PCB-25	7.29				PCB-68	12.5			
PCB-26	20.1				PCB-73	ND	0.707		
PCB-28	69.4			B	PCB-74	1.96			J
PCB-29	ND	0.792			PCB-76/66	4.09			J
PCB-30	ND	0.556			PCB-77	ND	0.566		
PCB-31	93.1			B	PCB-78	ND	0.627		
PCB-34	ND	0.805			PCB-79	ND	0.680		
PCB-35	1.58			J	PCB-80	ND	0.570		
PCB-36	ND	0.664			PCB-81	ND	0.546		
PCB-37	16.0				PCB-82	ND	2.43		
PCB-38	2.36			J	PCB-83	ND	1.48		
PCB-39	ND	0.641			PCB-84/92	ND	2.24		
PCB-40	4.49			J	PCB-85/116	ND	1.72		
PCB-41/64/71/72	16.6			J, B	PCB-86	ND	2.28		
PCB-42/59	6.41			J	PCB-87/117/125	ND	1.50		
PCB-43/49	16.9				PCB-88/91	ND	2.31		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-02
Project:	Stiller Pond	Sample Size:	0.997 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 11:55			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 18:16
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.30			PCB-136	ND	1.98		
PCB-90/101	3.78			J	PCB-137	ND	1.18		
PCB-93	ND	2.25			PCB-138/163/164	1.63			J
PCB-94	ND	2.27			PCB-139/149	ND	2.41		
PCB-95/98/102	ND		3.22		PCB-140	ND	2.76		
PCB-96	ND	1.80			PCB-141	ND	1.27		
PCB-97	ND	1.84			PCB-144	ND	2.59		
PCB-99	ND	1.87			PCB-145	ND	1.79		
PCB-100	ND	1.94			PCB-146/165	ND	0.888		
PCB-103	ND	2.09			PCB-147	ND	2.52		
PCB-104	ND	1.52			PCB-148	ND	2.51		
PCB-105	ND		0.567		PCB-150	ND	1.84		
PCB-106/118	ND		1.64		PCB-151	ND	2.69		
PCB-107/109	ND	1.41			PCB-152	ND	1.80		
PCB-108/112	ND	1.78			PCB-153	ND	0.902		
PCB-110	4.06			J	PCB-154	ND	2.33		
PCB-111/115	ND	1.33			PCB-155	ND	1.71		
PCB-113	ND	1.64			PCB-156	ND	0.943		
PCB-114	ND	1.30			PCB-157	ND	1.01		
PCB-119	ND	1.32			PCB-158/160	ND	0.937		
PCB-120	ND	1.30			PCB-159	ND	0.985		
PCB-121	ND	1.52			PCB-166	ND	0.955		
PCB-122	ND	1.44			PCB-167	ND	0.888		
PCB-123	ND	1.51			PCB-168	ND	0.782		
PCB-124	ND	1.35			PCB-169	ND	0.822		
PCB-126	ND	1.36			PCB-170	ND	1.01		
PCB-127	ND	1.26			PCB-171	ND	1.04		
PCB-128/162	ND	1.08			PCB-172	ND	1.16		
PCB-129	ND	1.38			PCB-173	ND	1.24		
PCB-130	ND	1.38			PCB-174	ND	1.03		
PCB-131	ND	1.21			PCB-175	ND	1.15		
PCB-132/161	ND	0.940			PCB-176	ND	0.834		
PCB-133/142	ND	1.16			PCB-177	ND	1.12		
PCB-134/143	ND	1.14			PCB-178	ND	1.21		
PCB-135	ND	2.78			PCB-179	ND	0.862		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-02
Project:	Stiller Pond	Sample Size:	0.997 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 11:55			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 18:16
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.02			Total octaCB	ND	2.77		
PCB-181	ND	1.00			Total nonaCB	ND	1.03		
PCB-182/187	ND	1.06			DecaCB	ND	1.06		
PCB-183	ND	1.03			Total PCB	1210			B
PCB-184	ND	0.896							
PCB-185	ND	1.04							
PCB-186	ND	0.837							
PCB-188	ND	0.768							
PCB-189	ND	0.584							
PCB-190	ND	0.724							
PCB-191	ND	0.849							
PCB-192	ND	0.889							
PCB-193	ND	0.828							
PCB-194	ND	0.622							
PCB-195	ND	0.624							
PCB-196/203	ND	2.47							
PCB-197	ND	1.93							
PCB-198	ND	2.77							
PCB-199	ND	2.58							
PCB-200	ND	2.00							
PCB-201	ND	1.89							
PCB-202	ND	1.92							
PCB-204	ND	2.04							
PCB-205	ND	0.517							
PCB-206	ND	1.03							
PCB-207	ND	0.578							
PCB-208	ND	0.558							
PCB-209	ND	1.06							
Total monoCB	33.2								
Total diCB	347			B					
Total triCB	566			B					
Total tetraCB	251			B					
Total pentaCB	7.84		13.3						
Total hexaCB	1.63			J					
Total heptaCB	ND	1.24							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-02
Project:	Stiller Pond	Sample Size:	0.997 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 11:55			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 18:16
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	60.4	5 -145		13C-PCB-170	72.5	10 -145	
13C-PCB-3	66.3	5 -145		13C-PCB-180	66.8	10 -145	
13C-PCB-4	54.5	5 -145		13C-PCB-188	62.9	10 -145	
13C-PCB-11	68.8	5 -145		13C-PCB-189	84.8	10 -145	
13C-PCB-9	55.2	5 -145		13C-PCB-194	72.2	10 -145	
13C-PCB-19	68.3	5 -145		13C-PCB-202	43.2	10 -145	
13C-PCB-28	74.4	5 -145		13C-PCB-206	61.9	10 -145	
13C-PCB-32	71.2	5 -145		13C-PCB-208	58.1	10 -145	
13C-PCB-37	98.1	5 -145		13C-PCB-209	39.4	10 -145	
13C-PCB-47	75.5	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	75.7	5 -145		13C-PCB-178	75.8	10 -145	
13C-PCB-54	68.1	5 -145					
13C-PCB-70	84.8	5 -145					
13C-PCB-77	103	10 -145					
13C-PCB-80	83.9	10 -145					
13C-PCB-81	97.9	10 -145					
13C-PCB-95	81.9	10 -145					
13C-PCB-97	90.3	10 -145					
13C-PCB-101	87.3	10 -145					
13C-PCB-104	81.0	10 -145					
13C-PCB-105	109	10 -145					
13C-PCB-114	89.4	10 -145					
13C-PCB-118	95.9	10 -145					
13C-PCB-123	100	10 -145					
13C-PCB-126	115	10 -145					
13C-PCB-127	114	10 -145					
13C-PCB-138	88.8	10 -145					
13C-PCB-141	88.7	10 -145					
13C-PCB-153	95.6	10 -145					
13C-PCB-155	55.4	10 -145					
13C-PCB-156	92.1	10 -145					
13C-PCB-157	89.6	10 -145					
13C-PCB-159	89.8	10 -145					
13C-PCB-167	92.9	10 -145					
13C-PCB-169	113	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400409-03	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond		Sample Size:	0.980 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 10:30					Date Analyzed :	17-Jun-14 19:20 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	28.8				PCB-44	28.6			
PCB-2	2.20			J	PCB-45	10.6			
PCB-3	12.1				PCB-46	5.27			
PCB-4/10	75.5				PCB-47	9.41			
PCB-5/8	187				PCB-48/75	6.16			J
PCB-6	34.7				PCB-50	ND	1.24		
PCB-7/9	17.4			J	PCB-51	3.19			J
PCB-11	54.3			B	PCB-52/69	25.4			B
PCB-12/13	12.7			J	PCB-53	8.11			
PCB-14	ND	5.20			PCB-54	ND	0.937		
PCB-15	73.6				PCB-55	ND	0.811		
PCB-16/32	96.3			B	PCB-56/60	5.98			J
PCB-17	47.4				PCB-57	ND	0.776		
PCB-18	144				PCB-58	ND	0.821		
PCB-19	14.2				PCB-61/70	10.8			B
PCB-20/21/33	95.7				PCB-62	ND	0.963		
PCB-22	50.8				PCB-63	ND	0.794		
PCB-23	ND	0.756			PCB-65	ND	0.958		
PCB-24/27	10.9				PCB-67	ND	0.858		
PCB-25	10.3				PCB-68	ND	0.866		
PCB-26	23.4				PCB-73	ND	0.917		
PCB-28	90.5			B	PCB-74	2.37			J
PCB-29	ND	0.827			PCB-76/66	5.85			J
PCB-30	ND	0.559			PCB-77	ND		1.11	
PCB-31	122			B	PCB-78	ND	0.812		
PCB-34	ND	0.841			PCB-79	ND	0.864		
PCB-35	1.79			J	PCB-80	ND	0.725		
PCB-36	ND	0.693			PCB-81	ND	0.708		
PCB-37	20.8				PCB-82	ND	2.95		
PCB-38	ND	0.661			PCB-83	ND	2.05		
PCB-39	ND	0.668			PCB-84/92	ND		1.93	
PCB-40	6.63				PCB-85/116	ND	2.39		
PCB-41/64/71/72	21.1			B	PCB-86	ND	3.17		
PCB-42/59	8.93			J	PCB-87/117/125	ND		1.62	
PCB-43/49	18.7				PCB-88/91	ND	3.05		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400409-03	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond		Sample Size:	0.980 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 10:30					Date Analyzed :	17-Jun-14 19:20 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.86			PCB-136	ND	2.61		
PCB-90/101	4.31			J	PCB-137	ND	0.800		
PCB-93	ND	2.97			PCB-138/163/164	1.43			J
PCB-94	ND	3.00			PCB-139/149	ND	3.19		
PCB-95/98/102	6.01			J	PCB-140	ND	3.64		
PCB-96	ND	2.46			PCB-141	ND	0.859		
PCB-97	ND		1.34		PCB-144	ND	3.43		
PCB-99	2.14			J	PCB-145	ND	2.36		
PCB-100	ND	2.66			PCB-146/165	ND	0.619		
PCB-103	ND	2.85			PCB-147	ND	3.33		
PCB-104	ND	2.08			PCB-148	ND	3.31		
PCB-105	0.875			J	PCB-150	ND	2.43		
PCB-106/118	2.55			J	PCB-151	ND	3.56		
PCB-107/109	ND	1.71			PCB-152	ND	2.37		
PCB-108/112	ND	2.48			PCB-153	ND	0.629		
PCB-110	4.42			J	PCB-154	ND	3.08		
PCB-111/115	ND	1.84			PCB-155	ND	2.26		
PCB-113	ND	2.04			PCB-156	ND	0.612		
PCB-114	ND	0.796			PCB-157	ND	0.662		
PCB-119	ND	1.84			PCB-158/160	ND	0.693		
PCB-120	ND	1.80			PCB-159	ND	0.686		
PCB-121	ND	2.01			PCB-166	ND	0.665		
PCB-122	ND	0.886			PCB-167	ND	0.592		
PCB-123	ND	1.84			PCB-168	ND	0.545		
PCB-124	ND	1.64			PCB-169	ND	0.529		
PCB-126	ND	0.867			PCB-170	ND	0.670		
PCB-127	ND	0.775			PCB-171	ND	0.740		
PCB-128/162	ND	0.755			PCB-172	ND	0.826		
PCB-129	ND	1.02			PCB-173	ND	0.881		
PCB-130	ND	0.933			PCB-174	ND	0.735		
PCB-131	ND	0.846			PCB-175	ND	0.853		
PCB-132/161	ND	0.655			PCB-176	ND	0.620		
PCB-133/142	ND	0.808			PCB-177	ND	0.793		
PCB-134/143	ND	0.796			PCB-178	ND	0.903		
PCB-135	ND	3.67			PCB-179	ND	0.641		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-03
Project:	Stiller Pond	Sample Size:	0.980 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 10:30			QC Batch:	B4F0029
				Date Analyzed :	17-Jun-14 19:20
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.723			Total octaCB	ND	2.21		
PCB-181	ND	0.714			Total nonaCB	ND	0.784		
PCB-182/187	ND	0.791			DecaCB	ND	0.822		
PCB-183	ND	0.770			Total PCB	1430			B
PCB-184	ND	0.666							
PCB-185	ND	0.737							
PCB-186	ND	0.623							
PCB-188	ND	0.571							
PCB-189	ND	0.356							
PCB-190	ND	0.479							
PCB-191	ND	0.603							
PCB-192	ND	0.631							
PCB-193	ND	0.588							
PCB-194	ND	0.574							
PCB-195	ND	0.576							
PCB-196/203	ND	1.97							
PCB-197	ND	1.54							
PCB-198	ND	2.21							
PCB-199	ND	2.05							
PCB-200	ND	1.59							
PCB-201	ND	1.50							
PCB-202	ND	1.53							
PCB-204	ND	1.62							
PCB-205	ND	0.477							
PCB-206	ND	0.784							
PCB-207	ND	0.506							
PCB-208	ND	0.488							
PCB-209	ND	0.822							
Total monoCB	43.1								
Total diCB	455			B					
Total triCB	728			B					
Total tetraCB	177		178	B					
Total pentaCB	20.3		25.2						
Total hexaCB	1.43			J					
Total heptaCB	ND	0.903							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-03
Project:	Stiller Pond	Sample Size:	0.980 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 10:30			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 19:20
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	66.1	5 -145		13C-PCB-170	75.4	10 -145	
13C-PCB-3	71.1	5 -145		13C-PCB-180	68.6	10 -145	
13C-PCB-4	61.7	5 -145		13C-PCB-188	61.4	10 -145	
13C-PCB-11	74.4	5 -145		13C-PCB-189	94.3	10 -145	
13C-PCB-9	63.4	5 -145		13C-PCB-194	73.5	10 -145	
13C-PCB-19	71.9	5 -145		13C-PCB-202	41.3	10 -145	
13C-PCB-28	76.7	5 -145		13C-PCB-206	63.1	10 -145	
13C-PCB-32	68.6	5 -145		13C-PCB-208	56.3	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	44.5	10 -145	
13C-PCB-47	74.3	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	74.6	5 -145		13C-PCB-178	71.3	10 -145	
13C-PCB-54	68.4	5 -145					
13C-PCB-70	84.3	5 -145					
13C-PCB-77	107	10 -145					
13C-PCB-80	86.3	10 -145					
13C-PCB-81	103	10 -145					
13C-PCB-95	81.5	10 -145					
13C-PCB-97	88.7	10 -145					
13C-PCB-101	86.1	10 -145					
13C-PCB-104	77.8	10 -145					
13C-PCB-105	115	10 -145					
13C-PCB-114	94.0	10 -145					
13C-PCB-118	99.3	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	115	10 -145					
13C-PCB-127	119	10 -145					
13C-PCB-138	86.4	10 -145					
13C-PCB-141	87.1	10 -145					
13C-PCB-153	93.5	10 -145					
13C-PCB-155	53.0	10 -145					
13C-PCB-156	95.4	10 -145					
13C-PCB-157	95.3	10 -145					
13C-PCB-159	89.7	10 -145					
13C-PCB-167	95.0	10 -145					
13C-PCB-169	118	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-04	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond	Sample Size:	1.01 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 12:40			Date Analyzed :	17-Jun-14 20:24	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	22.2				PCB-44	21.6			
PCB-2	ND	2.62			PCB-45	7.98			
PCB-3	9.79				PCB-46	3.80			J
PCB-4/10	56.8				PCB-47	5.26			
PCB-5/8	161				PCB-48/75	4.15			J
PCB-6	30.3				PCB-50	ND	1.74		
PCB-7/9	ND	11.1			PCB-51	ND		1.64	
PCB-11	47.7			B	PCB-52/69	20.2			B
PCB-12/13	ND	10.1			PCB-53	5.79			
PCB-14	ND	8.44			PCB-54	ND	1.31		
PCB-15	59.5				PCB-55	ND	1.00		
PCB-16/32	76.4			B	PCB-56/60	3.92			J
PCB-17	38.2				PCB-57	ND	1.03		
PCB-18	115				PCB-58	ND	1.09		
PCB-19	10.5				PCB-61/70	7.62			J, B
PCB-20/21/33	69.8				PCB-62	ND	1.25		
PCB-22	36.2				PCB-63	ND	1.05		
PCB-23	ND	1.12			PCB-65	ND	1.24		
PCB-24/27	8.61			J	PCB-67	ND	1.14		
PCB-25	7.84				PCB-68	ND	1.12		
PCB-26	ND		14.7		PCB-73	ND	1.20		
PCB-28	69.2			B	PCB-74	2.04			J
PCB-29	ND	1.22			PCB-76/66	4.28			J
PCB-30	ND	0.813			PCB-77	ND	0.995		
PCB-31	85.8			B	PCB-78	ND	1.00		
PCB-34	ND	1.24			PCB-79	ND	1.07		
PCB-35	1.67			J	PCB-80	ND	0.894		
PCB-36	ND	1.04			PCB-81	ND	0.872		
PCB-37	15.6				PCB-82	ND	4.32		
PCB-38	ND	0.996			PCB-83	ND	2.89		
PCB-39	ND	1.01			PCB-84/92	ND	4.07		
PCB-40	5.11				PCB-85/116	ND	3.36		
PCB-41/64/71/72	14.5			J, B	PCB-86	ND	4.45		
PCB-42/59	6.96			J	PCB-87/117/125	ND	2.92		
PCB-43/49	15.3				PCB-88/91	ND	4.13		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-04
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 12:40			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 20:24
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	4.19			PCB-136	ND	4.99		
PCB-90/101	3.37			J	PCB-137	ND	1.20		
PCB-93	ND	4.03			PCB-138/163/164	ND	1.02		
PCB-94	ND	4.06			PCB-139/149	ND	6.09		
PCB-95/98/102	ND		3.72		PCB-140	ND	6.96		
PCB-96	ND	3.08			PCB-141	ND	1.29		
PCB-97	ND	3.60			PCB-144	ND	6.55		
PCB-99	ND	3.39			PCB-145	ND	4.52		
PCB-100	ND	3.33			PCB-146/165	ND	0.853		
PCB-103	ND	3.57			PCB-147	ND	6.37		
PCB-104	ND	2.61			PCB-148	ND	6.33		
PCB-105	0.690			J	PCB-150	ND	4.64		
PCB-106/118	ND	2.55			PCB-151	ND	6.80		
PCB-107/109	ND	2.51			PCB-152	ND	4.53		
PCB-108/112	ND	3.48			PCB-153	ND	0.866		
PCB-110	ND	2.73			PCB-154	ND	5.89		
PCB-111/115	ND	2.59			PCB-155	ND	4.32		
PCB-113	ND	2.98			PCB-156	ND	0.873		
PCB-114	ND	1.43			PCB-157	ND	0.926		
PCB-119	ND	2.59			PCB-158/160	ND	0.984		
PCB-120	ND	2.53			PCB-159	ND	0.993		
PCB-121	ND	2.73			PCB-166	ND	0.962		
PCB-122	ND	1.59			PCB-167	ND	0.920		
PCB-123	ND	2.69			PCB-168	ND	0.751		
PCB-124	ND	2.40			PCB-169	ND	0.808		
PCB-126	ND	1.36			PCB-170	ND	1.07		
PCB-127	ND	1.18			PCB-171	ND	1.10		
PCB-128/162	ND	1.09			PCB-172	ND	1.23		
PCB-129	ND	1.45			PCB-173	ND	1.31		
PCB-130	ND	1.40			PCB-174	ND	1.10		
PCB-131	ND	1.17			PCB-175	ND	1.24		
PCB-132/161	ND	0.903			PCB-176	ND	0.901		
PCB-133/142	ND	1.11			PCB-177	ND	1.18		
PCB-134/143	ND	1.10			PCB-178	ND	1.31		
PCB-135	ND	7.01			PCB-179	ND	0.931		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-04	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond	Sample Size:	1.01 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 12:40			Date Analyzed:	17-Jun-14 20:24	Column:	ZB-1
				Analyst:	DMS		

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.08			Total octaCB	ND	3.35		
PCB-181	ND	1.06			Total nonaCB	ND	1.39		
PCB-182/187	ND	1.15			DecaCB	ND	1.18		
PCB-183	ND	1.12			Total PCB	1050			B
PCB-184	ND	0.967							
PCB-185	ND	1.10							
PCB-186	ND	0.904							
PCB-188	ND	0.829							
PCB-189	ND	0.580							
PCB-190	ND	0.763							
PCB-191	ND	0.900							
PCB-192	ND	0.942							
PCB-193	ND	0.877							
PCB-194	ND	0.796							
PCB-195	ND	0.799							
PCB-196/203	ND	2.99							
PCB-197	ND	2.34							
PCB-198	ND	3.35							
PCB-199	ND	3.12							
PCB-200	ND	2.42							
PCB-201	ND	2.29							
PCB-202	ND	2.32							
PCB-204	ND	2.46							
PCB-205	ND	0.662							
PCB-206	ND	1.39							
PCB-207	ND	0.807							
PCB-208	ND	0.778							
PCB-209	ND	1.18							
Total monoCB	32.0								
Total diCB	355			B					
Total triCB	535		549	B					
Total tetraCB	128		130	B					
Total pentaCB	4.06		7.77						
Total hexaCB	ND	7.01							
Total heptaCB	ND	1.31							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-04
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 12:40			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 20:24
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	42.1	5 -145		13C-PCB-170	73.0	10 -145	
13C-PCB-3	47.9	5 -145		13C-PCB-180	63.3	10 -145	
13C-PCB-4	41.4	5 -145		13C-PCB-188	59.5	10 -145	
13C-PCB-11	57.1	5 -145		13C-PCB-189	80.3	10 -145	
13C-PCB-9	43.3	5 -145		13C-PCB-194	78.9	10 -145	
13C-PCB-19	53.3	5 -145		13C-PCB-202	40.7	10 -145	
13C-PCB-28	73.7	5 -145		13C-PCB-206	66.7	10 -145	
13C-PCB-32	56.9	5 -145		13C-PCB-208	60.4	10 -145	
13C-PCB-37	90.2	5 -145		13C-PCB-209	42.9	10 -145	
13C-PCB-47	70.1	5 -145		CRS 13C-PCB-79	94.8	10 -145	
13C-PCB-52	69.6	5 -145		13C-PCB-178	66.6	10 -145	
13C-PCB-54	60.2	5 -145					
13C-PCB-70	78.1	5 -145					
13C-PCB-77	96.1	10 -145					
13C-PCB-80	77.9	10 -145					
13C-PCB-81	91.7	10 -145					
13C-PCB-95	75.0	10 -145					
13C-PCB-97	81.3	10 -145					
13C-PCB-101	78.3	10 -145					
13C-PCB-104	71.2	10 -145					
13C-PCB-105	110	10 -145					
13C-PCB-114	84.5	10 -145					
13C-PCB-118	87.6	10 -145					
13C-PCB-123	89.7	10 -145					
13C-PCB-126	108	10 -145					
13C-PCB-127	115	10 -145					
13C-PCB-138	79.7	10 -145					
13C-PCB-141	82.4	10 -145					
13C-PCB-153	93.4	10 -145					
13C-PCB-155	46.6	10 -145					
13C-PCB-156	88.2	10 -145					
13C-PCB-157	87.4	10 -145					
13C-PCB-159	83.7	10 -145					
13C-PCB-167	86.6	10 -145					
13C-PCB-169	110	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400409-05	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond		Sample Size:	0.975 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 12:55					Date Analyzed :	17-Jun-14 21:28 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.47			PCB-44	3.43			J
PCB-2	ND	1.58			PCB-45	ND	1.00		
PCB-3	2.41			J	PCB-46	ND	1.11		
PCB-4/10	ND	6.06			PCB-47	5.20			
PCB-5/8	ND	4.88			PCB-48/75	ND	0.676		
PCB-6	ND	4.91			PCB-50	ND	0.941		
PCB-7/9	ND	4.85			PCB-51	ND	0.831		
PCB-11	40.1			B	PCB-52/69	4.86			J, B
PCB-12/13	ND	4.57			PCB-53	ND	0.822		
PCB-14	ND	3.82			PCB-54	ND	0.708		
PCB-15	ND	4.46			PCB-55	ND	0.619		
PCB-16/32	2.38			J, B	PCB-56/60	1.49			J
PCB-17	1.30			J	PCB-57	ND	0.590		
PCB-18	3.49			J	PCB-58	ND	0.623		
PCB-19	ND	0.596			PCB-61/70	3.35			J, B
PCB-20/21/33	1.80			J	PCB-62	ND	0.682		
PCB-22	1.70			J	PCB-63	ND	0.603		
PCB-23	ND	0.463			PCB-65	ND	0.678		
PCB-24/27	ND	0.420			PCB-67	ND	0.651		
PCB-25	ND	0.508			PCB-68	1.64			J
PCB-26	0.989			J	PCB-73	ND	0.671		
PCB-28	4.55			J, B	PCB-74	ND		0.782	
PCB-29	ND	0.506			PCB-76/66	2.06			J
PCB-30	ND	0.397			PCB-77	ND	0.554		
PCB-31	4.45			J, B	PCB-78	ND	0.632		
PCB-34	ND	0.515			PCB-79	ND	0.660		
PCB-35	ND		0.660		PCB-80	ND	0.553		
PCB-36	ND	0.450			PCB-81	ND	0.551		
PCB-37	ND		0.902		PCB-82	ND	1.91		
PCB-38	ND	0.430			PCB-83	ND	1.25		
PCB-39	ND	0.434			PCB-84/92	ND		1.78	
PCB-40	ND	1.16			PCB-85/116	ND	1.45		
PCB-41/64/71/72	2.85			J, B	PCB-86	ND	1.92		
PCB-42/59	ND		1.11		PCB-87/117/125	ND		1.90	
PCB-43/49	3.17			J	PCB-88/91	ND	1.85		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-05
Project:	Stiller Pond	Sample Size:	0.975 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 12:55			QC Batch:	B4F0029
				Date Analyzed :	17-Jun-14 21:28
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.80			PCB-136	ND	1.87		
PCB-90/101	6.34			J	PCB-137	ND	0.585		
PCB-93	ND	1.80			PCB-138/163/164	5.10			J
PCB-94	ND	1.82			PCB-139/149	4.96			J
PCB-95/98/102	4.90			J	PCB-140	ND	2.61		
PCB-96	ND	1.43			PCB-141	0.993			J
PCB-97	ND		1.40		PCB-144	ND	2.45		
PCB-99	2.84			J	PCB-145	ND	1.69		
PCB-100	ND	1.55			PCB-146/165	0.870			J
PCB-103	ND	1.66			PCB-147	ND	2.38		
PCB-104	ND	1.22			PCB-148	ND	2.37		
PCB-105	1.28			J	PCB-150	ND	1.74		
PCB-106/118	ND		3.31		PCB-151	ND	2.54		
PCB-107/109	ND	1.11			PCB-152	ND	1.70		
PCB-108/112	ND	1.50			PCB-153	4.87			J
PCB-110	6.05				PCB-154	ND	2.20		
PCB-111/115	ND	1.12			PCB-155	ND	1.62		
PCB-113	ND	1.28			PCB-156	ND	0.438		
PCB-114	ND	0.641			PCB-157	ND	0.467		
PCB-119	ND	1.12			PCB-158/160	ND	0.468		
PCB-120	ND	1.09			PCB-159	ND	0.464		
PCB-121	ND	1.22			PCB-166	ND	0.450		
PCB-122	ND	0.713			PCB-167	ND	0.447		
PCB-123	ND	1.19			PCB-168	ND	0.446		
PCB-124	ND	1.06			PCB-169	ND	0.366		
PCB-126	ND	0.681			PCB-170	ND	0.461		
PCB-127	ND	0.621			PCB-171	ND	0.493		
PCB-128/162	1.13			J	PCB-172	ND	0.551		
PCB-129	ND	0.689			PCB-173	ND	0.588		
PCB-130	ND	0.681			PCB-174	ND	0.490		
PCB-131	ND	0.692			PCB-175	ND	0.622		
PCB-132/161	1.19			J	PCB-176	ND	0.452		
PCB-133/142	ND	0.661			PCB-177	ND	0.529		
PCB-134/143	ND	0.651			PCB-178	ND	0.659		
PCB-135	ND	2.62			PCB-179	ND	0.468		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400409-05	Date Received:	06-Jun-2014 9:38
Project:	Stiller Pond		Sample Size:	0.975 L	QC Batch:	B4F0029	Date Extracted:	10-Jun-2014 8:13
Date Collected:	05-Jun-2014 12:55					Date Analyzed :	17-Jun-14 21:28 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	2.52			J	Total octaCB	0.866			J
PCB-181	ND	0.476			Total nonaCB	ND		0.339	J
PCB-182/187	1.97			J	DecaCB	1.44			J
PCB-183	ND	0.561			Total PCB	139			B
PCB-184	ND	0.486							
PCB-185	ND	0.491							
PCB-186	ND	0.454							
PCB-188	ND	0.416							
PCB-189	ND	0.239							
PCB-190	ND	0.329							
PCB-191	ND	0.402							
PCB-192	ND	0.421							
PCB-193	ND	0.392							
PCB-194	0.866			J					
PCB-195	ND	0.377							
PCB-196/203	ND	1.33							
PCB-197	ND	1.04							
PCB-198	ND	1.49							
PCB-199	ND	1.39							
PCB-200	ND	1.08							
PCB-201	ND	1.02							
PCB-202	ND	1.03							
PCB-204	ND	1.10							
PCB-205	ND	0.313							
PCB-206	ND	0.498							
PCB-207	ND	0.285							
PCB-208	ND		0.339						
PCB-209	1.44			J					
Total monoCB	2.41			J					
Total diCB	40.1			B					
Total triCB	20.6		22.2	B					
Total tetraCB	28.0		29.9	B					
Total pentaCB	21.4		29.8						
Total hexaCB	19.1								
Total heptaCB	4.48			J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400409-05
Project:	Stiller Pond	Sample Size:	0.975 L	Date Received:	06-Jun-2014 9:38
Date Collected:	05-Jun-2014 12:55			QC Batch:	B4F0029
				Date Analyzed:	17-Jun-14 21:28
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	60.6	5 -145		13C-PCB-170	77.0	10 -145	
13C-PCB-3	66.4	5 -145		13C-PCB-180	71.1	10 -145	
13C-PCB-4	56.6	5 -145		13C-PCB-188	59.3	10 -145	
13C-PCB-11	73.4	5 -145		13C-PCB-189	94.4	10 -145	
13C-PCB-9	59.8	5 -145		13C-PCB-194	72.5	10 -145	
13C-PCB-19	72.5	5 -145		13C-PCB-202	44.2	10 -145	
13C-PCB-28	79.0	5 -145		13C-PCB-206	64.8	10 -145	
13C-PCB-32	72.0	5 -145		13C-PCB-208	57.7	10 -145	
13C-PCB-37	99.1	5 -145		13C-PCB-209	43.6	10 -145	
13C-PCB-47	77.5	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	79.1	5 -145		13C-PCB-178	71.2	10 -145	
13C-PCB-54	70.8	5 -145					
13C-PCB-70	84.6	5 -145					
13C-PCB-77	106	10 -145					
13C-PCB-80	85.3	10 -145					
13C-PCB-81	98.8	10 -145					
13C-PCB-95	82.9	10 -145					
13C-PCB-97	89.9	10 -145					
13C-PCB-101	89.7	10 -145					
13C-PCB-104	81.7	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	92.4	10 -145					
13C-PCB-118	97.8	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	115	10 -145					
13C-PCB-127	107	10 -145					
13C-PCB-138	86.8	10 -145					
13C-PCB-141	85.4	10 -145					
13C-PCB-153	84.8	10 -145					
13C-PCB-155	54.8	10 -145					
13C-PCB-156	96.7	10 -145					
13C-PCB-157	97.4	10 -145					
13C-PCB-159	91.2	10 -145					
13C-PCB-167	95.2	10 -145					
13C-PCB-169	123	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	011
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2207
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1400409 Yes No
 Storage ID: WR-2 Temp: 0.7 °C

Project I.D.: STEWAR POND P.O.# _____ Sampler: STEVEN PATTEN
 (Name)

TAT: (Check One):
 Standard: 21 Days
 Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name CHIPS SIDERS Company LOWBWC Address 810 S. MAIN City MELTON-FREEWATER State OR Zip 97862 Ph# 541-938-2170 Fax# _____
 Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 6-5-14 Time: 13130 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) UPS Date: 06/06/14 Time: 0938 Received by: (Signature and Printed Name) B. Benedict Date: _____ Time: _____

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 (916) 673-1520 • Fax (916) 673-0106				Method of Shipment:		Add Analysis(es) Requested																
ATTN: _____				Tracking No.:		Container(s)																
Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	237&-TCDD	237&-TCDD/TCDF	PCDD/PCDF	237&-TCDD	237&-TCDD/TCDF	PCDD/PCDF	237&-TCDD	237&-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
GLW-136	6/5/14	11:15	STEWAR POND	2L	A	AQ										X						
GLW-145	6/5/14	11:55	STEWAR POND	2L	A	AQ										X						
GLW-146	6/5/14	10:30	STEWAR POND	2L	A	AQ										X						
GLW-147	6/5/14	12:40	STEWAR POND	2L	A	AQ										X						
GLW - INTAKE	6/5/14	12:55	STEWAR POND	2L	A	AQ										X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
 Company: LOWBWC
 Address: 810 S. MAIN
 City: MELTON-FREEWATER State: OR Zip: 97862
 Phone: 541-938-2170 Fax: SAME
 Email: steven.patten@lowbwc.org
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
 P = PUF, T = MM5 Train, O = Other _____
 *Bottle Preservative Type: T = Thiosulfate,
 O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400409 TAT Std

Samples Arrival:	Date/Time 06/06/14 0938	Initials: UBB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 06/09/14 0923	Initials: UBB	Location: WR-2
			Shelf/Rack: C5
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 0.7 (uncorrected)	Time: 0940		Thermometer ID: IR-1
Temp °C: 0.7 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # 1Z 62E3F 701 6192 8220			
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?			<u>None</u>
COC			
Sample Container			
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments:

LOCHER ROAD - WY2015



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

April 28, 2015

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-06518 - Locher Rd. Soil Sampling

Dear Mr. Steve Patten,

Your project: Locher Rd. Soil Sampling, was received on Wednesday April 08, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report
QC Reports
Chain of Custody



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **15-06518**
 Project: Locher Rd. Soil Sampling

Report Date: 4/28/15

Date Received: 4/8/15

Approved by: fm,mvp

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Soil #1 - Locher Road										Sample Date: 4/7/15 9:30 am			
Lab Number: 14639		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	5.8	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	520	4.17		mg/Kg	1.0	6010B/3051	a	4/14/15	BJ	6010B-150414A	

Sample Description: Soil #2 - Locher Road										Sample Date: 4/7/15 9:30 am			
Lab Number: 14640		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	1.6	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	579	3.57		mg/Kg	1.0	6010B/3051	a	4/14/15	BJ	6010B-150414A	

Sample Description: Soil #3 - Locher Road										Sample Date: 4/7/15 9:35 am			
Lab Number: 14641		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	1.8	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	550	4.17		mg/Kg	1.0	6010B/3051	a	4/14/15	BJ	6010B-150414A	

Sample Description: Soil #4 - Locher Road										Sample Date: 4/7/15 9:35 am			
Lab Number: 14642		Sample Comment:								Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	

14797-55-8	NITRATE-N	1.2	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	648	3.91		mg/Kg	1.0	6010B/3051	a	4/14/15	BJ	6010B-150414A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: Soil #5 - Locher Road										Sample Date: 4/7/15 9:45 am		
Lab Number: 14643		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	2.6	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	751	38.5		mg/Kg	10.0	6010B/3051	a	4/23/15	BJ	6010B-150423A	

Sample Description: Soil #6 - Locher Road										Sample Date: 4/7/15 9:45 am		
Lab Number: 14644		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.0	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	818	38.5		mg/Kg	10.0	6010B/3051	a	4/23/15	BJ	6010B-150423A	

Sample Description: Soil #7 - Locher Road										Sample Date: 4/7/15 9:55 am		
Lab Number: 14645		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.6	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	861	38.5		mg/Kg	10.0	6010B/3051	a	4/23/15	BJ	6010B-150423A	

Sample Description: Soil #8 - Locher Road										Sample Date: 4/7/15 9:55 am		
Lab Number: 14646		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.0	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	823	38.5		mg/Kg	10.0	6010B/3051	a	4/23/15	BJ	6010B-150423A	

Sample Description: Soil #9 - Locher Road										Sample Date: 4/7/15 10:00 am		
Lab Number: 14647		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.5	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	826	37.9		mg/Kg	10.0	6010B/3051	a	4/23/15	BJ	6010B-150423A	

Sample Description: Soil #10 - Locher Road										Sample Date: 4/7/15 10:00 am		
Lab Number: 14648		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.5	0.01	0.015	mg/Kg	1.0	SM4500-NO3 F	a	4/10/15	KD	SOILTEST_150410	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	898	38.5		mg/Kg	10.0	6010B/3051	a	4/23/15	BJ	6010B-150423A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Calibration Check

Reference Number: **15-06518**

Report Date: 04/28/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
6010B-150414A	2 TOTAL PHOSPHORUS	9.84	10	mg/L	6010B	98	90-110	CAL		
6010B-150423A	2 TOTAL PHOSPHORUS	9.44	10	mg/L	6010B	94	90-110	CAL		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Laboratory Fortified Blank

Reference Number: **15-06518**

Report Date: 04/28/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
6010B-150414A	0 TOTAL PHOSPHORUS	10.7	10	mg/L	6010B	107	85-115	LFB		
6010B-150423A	0 TOTAL PHOSPHORUS	9.04	10	mg/L	6010B	90	85-115	LFB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Laboratory Reagent Blank

Reference Number: **15-06518**

Report Date: 04/28/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
6010B-150414A	0 TOTAL PHOSPHORUS	ND		mg/L	6010B	0-0		LRB	
6010B-150423A	0 TOTAL PHOSPHORUS	ND		mg/L	6010B	0-0		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-06518**

Report Date: 04/28/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
6010B-150414A	0 TOTAL PHOSPHORUS	0.07		mg/L	6010B		0-0		MB	
6010B-150423A	0 TOTAL PHOSPHORUS	ND		mg/L	6010B		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: **15-06518**

Report Date: 04/28/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
6010B-150414A	0 TOTAL PHOSPHORUS	9.91	10	mg/L	6010B	99	90-110	QCS	
6010B-150423A	0 TOTAL PHOSPHORUS	9.9	10	mg/L	6010B	99	90-110	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Qualifier Definitions

Reference Number: 15-06518

Report Date: 04/28/15

Qualifier	Definition
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

15-06518
14639 - 14648



Report to: Walla Walla Basin Watershed Cour
Ship Address: 810 S Main Street
City: Milton-Freewr St. **OR Zip:** 97862
Attn: Steven Patten
Phone: 541.938-2170 **FAX:** 541.938-2170
Email: steven.patten@wwbwc.org
Project: Locher Road Soil Sampling

Bill to: _____
Address: _____
City: _____ **St:** _____ **Zip:** _____
Phone: _____ **FAX:** _____
P.O.#: _____ **Attn:** _____
 Visa M/C A/E **Expires** / /
Card#: _____

Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Willsville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsnville, OR 97070
Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	Nitrate as N, Total Phosphorus	Analyses Requested					Number of Containers	Special Instructions Conditions on Receipt	
1	Soil #1 Locher Road	G	S	4-15	9:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
2	Soil #2	G	S	4-15	9:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
3	Soil #3	G	S	4-15	9:35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
4	Soil #4	G	S	4-15	9:35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
5	Soil #5	G	S	4-15	9:45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
6	Soil #6	G	S	4-15	9:45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
7	Soil #7	G	S	4-15	9:55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
8	Soil #8	G	S	4-15	9:55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
9	Soil #9	G	S	4-15	10:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
10	Soil #10	G	S	4-15	10:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
Sampled by: Steven Patten		Phone: 541-938-2170		FAX: 541-938-2170		Email: steven.patten@wwbwc.org		Total Containers		10				

Sample Receipt Request (Must include FAX or Email)

W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: Steven Patten **Date:** 4-15 **Time:** 12:45 **Received by:** UPS **Date:** 4-15 **Time:** 09:15

Yes No N/A

Custody seals intact
 Sample temp 11.6 C satisfactory
 Samples received intact
 Chain of custody & labels agree



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

May 4, 2015

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-06517 - Locher Road Water Quality

Dear Mr. Steven Patten,

Your project: Locher Road Water Quality, was received on Wednesday April 08, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **15-06517**
 Project: Locher Road Water Quality

Report Date: 5/4/15

Date Received: 4/8/15

Approved by: bj,dml,fm,jmm,ljh,sps

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: GW-70 - Locher Rd. Sample Date: 4/7/15 9:20 am
 Lab Number: 14635 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.16	0.10		NTU	1.0	180.1	a	4/8/15	GSW	TURB_150408	
16887-00-6	CHLORIDE	5.9	0.1	0.0211	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
16984-48-8	FLUORIDE	ND	0.5	0.0054	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14797-55-8	NITRATE-N	6.56	0.100	0.0114	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14808-79-8	SULFATE	11	0.2	0.0174	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
E-14506	ALKALINITY	150	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	BICARBONATE	150	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	4/10/15	MMH	7470A_150410	
NA	CORROSIVITY	-1.17			SI	1.0	SM203	a	4/24/15	MVP	COR_150424	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	4/8/15	GSW	COLOR_150408	pH:
E-11734	ODOR	ND	1	1	TON	1.0	SM2150	a	4/8/15	NCO	ODOR_150408	Temperature: 38.1
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	247	10		mg/L	1.0	SM2540 C	a	4/15/15	SRF	TDS_150410	
E-10139	HYDROGEN ION (pH)	6.90			pH Units	1.0	SM4500-H+ B	a	4/8/15	GSW	PH_150408	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		4/15/15	sw	AMTEST_150415	Analyzed by Amtest
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	4/8/15		fc_150408	
7440-70-2	CALCIUM	31.5	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-89-6	IRON	0.04 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-96-5	MANGANESE	0.002	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7440-39-3	BARIUM	0.041	0.005	0.00016	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-47-3	CHROMIUM	0.0004 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-50-8	COPPER	0.0007 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW
7440-66-6	ZINC	ND	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414ww
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	4/9/15	CLC	M_150408WWW
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	4/9/15	CLC	M_150408WWW
7723-14-0	TOTAL PHOSPHORUS	0.080	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/14/15	SPS	TPHOS-150414

Sample Description: GW-71 - Locher Rd. Sample Date: 4/7/15 11:50 am
 Lab Number: 14636 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.56	0.10		NTU	1.0	180.1	a	4/8/15	GSW	TURB_150408	
16887-00-6	CHLORIDE	5.04	0.1	0.0211	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
16984-48-8	FLUORIDE	ND	0.5	0.0054	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14797-55-8	NITRATE-N	5.1	0.100	0.0114	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14808-79-8	SULFATE	12	0.2	0.0174	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
E-14506	ALKALINITY	108	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	BICARBONATE	108	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	4/10/15	MMH	7470A_150410	
NA	CORROSIVITY	-1.53			SI	1.0	SM203	a	4/24/15	MVP	COR_150424	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	4/8/15	GSW	COLOR_150408	pH:
E-11734	ODOR	ND	1	1	TON	1.0	SM2150	a	4/8/15	NCO	ODOR_150408	Temperature: 38.1
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	197	10		mg/L	1.0	SM2540 C	a	4/15/15	SRF	TDS_150410	
E-10139	HYDROGEN ION (pH)	6.80			pH Units	1.0	SM4500-H+ B	a	4/8/15	GSW	PH_150408	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		4/15/15	sw	AMTEST_150415	Analyzed by Amtest
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	4/8/15		fc_150408	
7440-70-2	CALCIUM	24.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-89-6	IRON	0.06	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-96-5	MANGANESE	0.003	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7440-39-3	BARIUM	0.036	0.005	0.00016	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WWW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WWW	
7440-47-3	CHROMIUM	0.0005 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WWW	
7440-50-8	COPPER	0.0009 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WWW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WWW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WWW	
7440-66-6	ZINC	0.0012 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414ww	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	4/9/15	CLC	M_150408WWW	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	4/9/15	CLC	M_150408WWW	

Notes:

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 D.F. - Dilution Factor

Data Report

7723-14-0 **TOTAL PHOSPHORUS** 0.087 0.010 0.003 mg/L 1.0 SM4500-P F/SM4500-P B(5) a 4/14/15 SPS TPPOS-150414

Sample Description: GW-72 - Locher Rd.										Sample Date: 4/7/15 11:00 am		
Lab Number: 14637				Sample Comment:						Collected By: Steven Patten		

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.26	0.10		NTU	1.0	180.1	a	4/8/15	GSW	TURB_150408	
16887-00-6	CHLORIDE	1.5	0.1	0.0211	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
16984-48-8	FLUORIDE	ND	0.5	0.0054	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14797-55-8	NITRATE-N	0.89	0.100	0.0114	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14808-79-8	SULFATE	3.1	0.2	0.0174	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
E-14506	ALKALINITY	46.4	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	BICARBONATE	46.4	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	4/10/15	MMH	7470A_150410	
NA	CORROSIVITY	-2.22			SI	1.0	SM203	a	4/24/15	MVP	COR_150424	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	4/8/15	GSW	COLOR_150408	pH:
E-11734	ODOR	ND	1	1	TON	1.0	SM2150	a	4/8/15	NCO	ODOR_150408	Temperature: 38.1
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	86	10		mg/L	1.0	SM2540 C	a	4/15/15	SRF	TDS_150410	
E-10139	HYDROGEN ION (pH)	6.88			pH Units	1.0	SM4500-H+ B	a	4/8/15	GSW	PH_150408	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		4/15/15	sw	AMTEST_150415	Analyzed by Amtest
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	4/8/15		fc_150408	
7440-70-2	CALCIUM	9.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-89-6	IRON	0.02 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-96-5	MANGANESE	0.0005 J	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7440-39-3	BARIUM	0.011	0.005	0.00016	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-47-3	CHROMIUM	0.0003 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-50-8	COPPER	0.001 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414WW	
7440-66-6	ZINC	ND	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	4/14/15	MVP	200.8_150414ww	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	4/9/15	CLC	M_150408WW	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	4/9/15	CLC	M_150408WW	
7723-14-0	TOTAL PHOSPHORUS	0.067	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/14/15	SPS	TPPOS-150414	

Sample Description: Intake - Locher Rd.										Sample Date: 4/7/15 10:20 am		
Lab Number: 14638				Sample Comment:						Collected By: Steven Patten		

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
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Notes:

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 D.F. - Dilution Factor

Data Report

E-10617	TURBIDITY	8.37	0.10		NTU	1.0	180.1	a	4/8/15	GSW	TURB_150408	
16887-00-6	CHLORIDE	1.4	0.1	0.0211	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
16984-48-8	FLUORIDE	ND	0.5	0.0054	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14797-55-8	NITRATE-N	0.34	0.100	0.0114	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
14808-79-8	SULFATE	2.6	0.2	0.0174	mg/L	1.0	300.0	a	4/8/15	MVP	I150408A	
E-14506	ALKALINITY	42.4	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	BICARBONATE	42.4	5.00		mg CaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/17/15	SPS	310.2_150417	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	4/10/15	MMH	7470A_150410	
NA	CORROSIVITY	-1.82			SI	1.0	SM203	a	4/24/15	MVP	COR_150424	
E-11712	COLOR	12	5	1	Color Units	1.0	SM2120 B	a	4/8/15	GSW	COLOR_150408	pH:
E-11734	ODOR	2.8	1	1	TON	1.0	SM2150	a	4/8/15	NCO	ODOR_150408	Temperature: 38.1
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	82	10		mg/L	1.0	SM2540 C	a	4/15/15	SRF	TDS_150410	
E-10139	HYDROGEN ION (pH)	7.36			pH Units	1.0	SM4500-H+ B	a	4/8/15	GSW	PH_150408	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		4/15/15	sw	AMTEST_150415	Analyzed by Amtest
E-14551	Fecal Coliform	NA	1		MPN/100ml	1.0	SM9221 E	b	4/8/15		fc_150408	
7440-70-2	CALCIUM	8.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-89-6	IRON	0.74	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7439-96-5	MANGANESE	0.015	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/16/15	BJ	200.7-150416A	
7440-39-3	BARIUM	0.015	0.001	0.00016	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7440-43-9	CADMIUM	ND	0.001	8.11E-05	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7440-47-3	CHROMIUM	0.001	0.001	0.00011	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7440-50-8	COPPER	0.001 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7439-92-1	LEAD	0.0003 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7782-49-2	SELENIUM	ND	0.005	0.00022	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7440-22-4	SILVER	ND	0.001	6.30E-05	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
7440-66-6	ZINC	0.002 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	4/15/15	MVP	200.8_150415A	
	E. Coli	60.2	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/9/15	CLC	qt_150408	
	TOTAL COLIFORM	1046.2	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/9/15	CLC	qt_150408	
7723-14-0	TOTAL PHOSPHORUS	0.055	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/14/15	SPS	TPHOS-150414	

Notes:

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 D.F. - Dilution Factor



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14638
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 4/7/15
Extraction Date: 4/14/15
Extraction Method: 3510C

Report Date: 5/4/15
Date Analyzed: 4/21/15
Analyst: CO
Analytical Method: 8151A
Batch: 8151_150414
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.04	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.07	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.05	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.04	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.3	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.05	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.12	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.02	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.06	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.1	1.00	a	screening only
1861-32-1	TOTAL DCPA	0.3		ug/L	0.1	0.1	0.05	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.05	1.00	a	

Notes:

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 ND - indicates the compound was not detected above the PQL or MDL.
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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 3

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14638
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 4/7/15
Extraction Date: 4/8/15
Extraction Method: 5030B

Report Date: 5/4/15
Date Analyzed: 4/8/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150408
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
109-69-3	1-CHLOROBUTANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
78-93-3	2-BUTANONE (MEK)	ND		ug/L	2.0	2.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	ND		ug/L	5.0	5.0	1.03	1.00	a	Screening Only
591-78-6	2-HEXANONE	ND		ug/L	5.0	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	ND		ug/L	10.0	10.0	2.73	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-10-1	4-METHYL-2-PENTANONE	ND		ug/L	4.0	4.0	0.62	1.00	a	
67-64-1	ACETONE	ND		ug/L	3.0	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	ND		ug/L	4.0	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	ND		ug/L	1.0	1.0	0.56	1.00	a	
107-05-1	ALLYL CHLORIDE	ND		ug/L	2.0	2.0	0.26	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	
75-15-0	CARBON DISULFIDE	ND		ug/L	0.4	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-	ND		ug/L	0.4	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	ND		ug/L	0.4	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	ND		ug/L	2	2	2.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
67-72-1	HEXACHLOROETHANE	ND		ug/L	0.4	0.4	0.37	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
126-98-7	METHACRYLONITRILE	ND		ug/L	4.0	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	ND		ug/L	0.8	0.8	1.2	1.00	a	
74-88-4	METHYL IODIDE	ND		ug/L	5.0	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	ND		ug/L	1.0	1.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
76-01-7	PENTACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
109-99-9	TETRAHYDROFURAN	ND		ug/L	3.0	3.0	1.88	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	5	5	0.4	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
108-05-4	VINYL ACETATE	ND		ug/L	2	2	1.39	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHA	ND		ug/L	0.4	0.4	0.16	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14637
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 4/7/15
Extraction Date: 4/14/15
Extraction Method: 3510C

Report Date: 5/4/15
Date Analyzed: 4/21/15
Analyst: CO
Analytical Method: 8151A
Batch: 8151_150414
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.04	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.07	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.05	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.04	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.3	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.05	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.12	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.02	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.06	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.1	1.00	a	screening only
1861-32-1	TOTAL DCPA	0.07	J	ug/L	0.1	0.1	0.05	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.05	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 3

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14637
Field ID: GW-72
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 4/7/15
Extraction Date: 4/8/15
Extraction Method: 5030B

Report Date: 5/4/15
Date Analyzed: 4/8/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150408
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROETHANE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROETHANE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROETHANE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
109-69-3	1-CHLOROBUTANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
78-93-3	2-BUTANONE (MEK)	ND		ug/L	2.0	2.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	ND		ug/L	5.0	5.0	1.03	1.00	a	Screening Only
591-78-6	2-HEXANONE	ND		ug/L	5.0	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	ND		ug/L	10.0	10.0	2.73	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-10-1	4-METHYL-2-PENTANONE	ND		ug/L	4.0	4.0	0.62	1.00	a	
67-64-1	ACETONE	ND		ug/L	3.0	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	ND		ug/L	4.0	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	ND		ug/L	1.0	1.0	0.56	1.00	a	
107-05-1	ALLYL CHLORIDE	ND		ug/L	2.0	2.0	0.26	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	
75-15-0	CARBON DISULFIDE	ND		ug/L	0.4	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-	ND		ug/L	0.4	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	ND		ug/L	0.4	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	ND		ug/L	2	2	2.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
67-72-1	HEXACHLOROETHANE	ND		ug/L	0.4	0.4	0.37	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
126-98-7	METHACRYLONITRILE	ND		ug/L	4.0	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	ND		ug/L	0.8	0.8	1.2	1.00	a	
74-88-4	METHYL IODIDE	ND		ug/L	5.0	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	ND		ug/L	1.0	1.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
76-01-7	PENTACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	

Notes:

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D.F. - Dilution Factor.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
109-99-9	TETRAHYDROFURAN	ND		ug/L	3.0	3.0	1.88	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	5	5	0.4	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
108-05-4	VINYL ACETATE	ND		ug/L	2	2	1.39	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHA	ND		ug/L	0.4	0.4	0.16	1.00	a	

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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14636
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 4/7/15
Extraction Date: 4/14/15
Extraction Method: 3510C

Report Date: 5/4/15
Date Analyzed: 4/21/15
Analyst: CO
Analytical Method: 8151A
Batch: 8151_150414
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.04	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.07	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.05	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.04	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.3	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.05	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.12	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.02	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.02	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.06	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.1	1.00	a	screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.05	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.05	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 3

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14636
Field ID: GW-71
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 4/7/15
Extraction Date: 4/8/15
Extraction Method: 5030B

Report Date: 5/4/15
Date Analyzed: 4/8/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150408
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
109-69-3	1-CHLOROBUTANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
78-93-3	2-BUTANONE (MEK)	ND		ug/L	2.0	2.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	ND		ug/L	5.0	5.0	1.03	1.00	a	Screening Only
591-78-6	2-HEXANONE	ND		ug/L	5.0	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	ND		ug/L	10.0	10.0	2.73	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-10-1	4-METHYL-2-PENTANONE	ND		ug/L	4.0	4.0	0.62	1.00	a	
67-64-1	ACETONE	ND		ug/L	3.0	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	ND		ug/L	4.0	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	ND		ug/L	1.0	1.0	0.56	1.00	a	
107-05-1	ALLYL CHLORIDE	ND		ug/L	2.0	2.0	0.26	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	
75-15-0	CARBON DISULFIDE	ND		ug/L	0.4	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-	ND		ug/L	0.4	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	ND		ug/L	0.4	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	ND		ug/L	2	2	2.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
67-72-1	HEXACHLOROETHANE	ND		ug/L	0.4	0.4	0.37	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
126-98-7	METHACRYLONITRILE	ND		ug/L	4.0	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	ND		ug/L	0.8	0.8	1.2	1.00	a	
74-88-4	METHYL IODIDE	ND		ug/L	5.0	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	ND		ug/L	1.0	1.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
76-01-7	PENTACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	

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109-99-9	TETRAHYDROFURAN	ND		ug/L	3.0	3.0	1.88	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	5	5	0.4	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
108-05-4	VINYL ACETATE	ND		ug/L	2	2	1.39	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHA	ND		ug/L	0.4	0.4	0.16	1.00	a	

Notes:

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D.F. - Dilution Factor.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14635
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 4/7/15
Extraction Date: 4/14/15
Extraction Method: 3510C

Report Date: 5/4/15
Date Analyzed: 4/21/15
Analyst: CO
Analytical Method: 8151A
Batch: 8151_150414
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.02	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.1	1.00	a	screening only
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 3

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-06517**
Project: Locher Road Water Quality

Lab Number: 14635
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 4/7/15
Extraction Date: 4/8/15
Extraction Method: 5030B

Report Date: 5/4/15
Date Analyzed: 4/8/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150408
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
109-69-3	1-CHLOROBUTANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
78-93-3	2-BUTANONE (MEK)	ND		ug/L	2.0	2.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	ND		ug/L	5.0	5.0	1.03	1.00	a	Screening Only
591-78-6	2-HEXANONE	ND		ug/L	5.0	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	ND		ug/L	10.0	10.0	2.73	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-10-1	4-METHYL-2-PENTANONE	ND		ug/L	4.0	4.0	0.62	1.00	a	
67-64-1	ACETONE	ND		ug/L	3.0	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	ND		ug/L	4.0	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	ND		ug/L	1.0	1.0	0.56	1.00	a	
107-05-1	ALLYL CHLORIDE	ND		ug/L	2.0	2.0	0.26	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	
75-15-0	CARBON DISULFIDE	ND		ug/L	0.4	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-	ND		ug/L	0.4	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	ND		ug/L	0.4	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	ND		ug/L	2	2	2.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
67-72-1	HEXACHLOROETHANE	ND		ug/L	0.4	0.4	0.37	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
126-98-7	METHACRYLONITRILE	ND		ug/L	4.0	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	ND		ug/L	0.8	0.8	1.2	1.00	a	
74-88-4	METHYL IODIDE	ND		ug/L	5.0	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	ND		ug/L	1.0	1.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
76-01-7	PENTACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
109-99-9	TETRAHYDROFURAN	ND		ug/L	3.0	3.0	1.88	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	5	5	0.4	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
108-05-4	VINYL ACETATE	ND		ug/L	2	2	1.39	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHA	ND		ug/L	0.4	0.4	0.16	1.00	a	

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D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-150416A	2 CALCIUM	9.9	11	mg/L	200.7	90	90-110	CAL	
	2 IRON	1.06	1	mg/L	200.7	106	90-110	CAL	
	2 MANGANESE	1.05	1	mg/L	200.7	105	90-110	CAL	
200.8_150414WV	0 BARIUM	0.0051	0.005	mg/L	200.8	102	80-120	CAL	
	0 CADMIUM	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 CHROMIUM	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	0 COPPER	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	0 LEAD	0.00095	0.001	mg/L	200.8	95	80-120	CAL	
	0 SELENIUM	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 SILVER	0.00095	0.001	mg/L	200.8	95	80-120	CAL	
	0 ZINC	0.0011	0.001	mg/L	200.8	110	80-120	CAL	
200.8_150415A	0 BARIUM	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	0 CADMIUM	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 CHROMIUM	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 COPPER	0.00108	0.001	mg/L	200.8	108	80-120	CAL	
	0 LEAD	0.00095	0.001	mg/L	200.8	95	80-120	CAL	
	0 SELENIUM	0.00105	0.001	mg/L	200.8	105	80-120	CAL	
	0 SILVER	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 ZINC	0.0011	0.001	mg/L	200.8	110	80-120	CAL	
1150408A	0 CHLORIDE	1.04	1.00	mg/L	300.0	104	90-110	CAL	
	0 FLUORIDE	0.96	1.00	mg/L	300.0	96	90-110	CAL	
	0 NITRATE-N	1.02	1.00	mg/L	300.0	102	90-110	CAL	
	0 SULFATE	2.08	2.00	mg/L	300.0	104	90-110	CAL	
PH_150408	1 HYDROGEN ION (pH)	8.05	8.00	pH Units	SM4500-H+ B	101	80-120	CAL	
	1 HYDROGEN ION (pH)	8.09	8.00	pH Units	SM4500-H+ B	101	80-120	CAL	
TPHOS-150414	0 TOTAL PHOSPHORUS	0.101	0.100	mg/L	SM4500-P F	101	85-115	CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
TURB_150408	0 TURBIDITY	10.6	10.0	NTU	180.1	106	80-120	CAL		
	1 TURBIDITY	10.4	10.0	NTU	180.1	104	80-120	CAL		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-150416A	0 CALCIUM	22.8	26	mg/L	200.7	88	85-115	LFB	
	0 IRON	0.98	1	mg/L	200.7	98	85-115	LFB	
	0 MANGANESE	0.96	1	mg/L	200.7	96	85-115	LFB	
200.8_150414VV	0 BARIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 CHROMIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	0 LEAD	0.039	0.040	mg/L	200.8	98	85-115	LFB	
	0 SELENIUM	0.038	0.040	mg/L	200.8	95	85-115	LFB	
	0 SILVER	0.039	0.040	mg/L	200.8	98	85-115	LFB	
	0 ZINC	0.040	0.040	mg/L	200.8	100	85-115	LFB	
7470A_150410	0 MERCURY	0.00175	0.00167	mg/L	7470A	105	70-130	LFB	
8151_150414	0 2,4 - D	2.06	2	ug/L	8151A	103	60-120	LFB	
	0 2,4 DB	5	8	ug/L	8151A	63	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	1.05	1	ug/L	8151A	105	68-122	LFB	
	0 2,4,5 T	1	1	ug/L	8151A	100	62-128	LFB	
	0 ACIFLUORFEN	0.61	1	ug/L	8151A	61	65-125	LFB	
	0 BENTAZON	2.11	2	ug/L	8151A	106	67-121	LFB	
	0 DALAPON	11.4	13	ug/L	8151A	88	53-142	LFB	
	0 DICAMBA	1.02	1	ug/L	8151A	102	66-126	LFB	
	0 DICHLORPROP	3.07	3	ug/L	8151A	102	63-123	LFB	
	0 DINOSEB	1.34	2	ug/L	8151A	67	73-127	LFB	
	0 MCPA	0.98	1	ug/L	8151A	98	49-121	LFB	
	0 MCPP	0.86	1	ug/L	8151A	86	48-126	LFB	
	0 PENTACHLOROPHENOL	1.07	1	ug/L	8151A	107	69-123	LFB	
	0 PICLORAM	1.01	1	ug/L	8151A	101	48-114	LFB	
	0 TOTAL DCPA	1.1	1	ug/L	8151A	110	48-168	LFB	
	1 2,4 - D	0.1	0.1	ug/L	8151A	100	60-120	LFB	
	1 2,4 DB	0.17	0.4	ug/L	8151A	43	49-136	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
8151_150414	1 2,4,5 - TP (SILVEX)	0.04	0.05	ug/L	8151A	80	68-122	LFB	
	1 2,4,5 T	0.05	0.05	ug/L	8151A	100	62-128	LFB	
	1 ACIFLUORFEN	0.03	0.05	ug/L	8151A	60	65-125	LFB	
	1 BENTAZON	0.09	0.1	ug/L	8151A	90	67-121	LFB	
	1 DALAPON	0.44	0.65	ug/L	8151A	68	53-142	LFB	
	1 DICAMBA	0.04	0.05	ug/L	8151A	80	66-126	LFB	
	1 DICHLORPROP	0.12	0.15	ug/L	8151A	80	63-123	LFB	
	1 DINOSEB	0.07	0.1	ug/L	8151A	70	73-127	LFB	
	1 MCPA	0.05	0.05	ug/L	8151A	100	49-121	LFB	
	1 MCPP	0.04	0.05	ug/L	8151A	80	48-126	LFB	
	1 PENTACHLOROPHENOL	0.07	0.05	ug/L	8151A	140	69-123	LFB	
	1 PICLORAM	0.04	0.05	ug/L	8151A	80	48-114	LFB	
	1 TOTAL DCPA	0.04	0.05	ug/L	8151A	80	48-168	LFB	
8260W_150408	0 (FREON 22) CHLORODIFLUOROMETHANE	2.3	2	ug/L	8260B	115	80-120	LFB	
	0 1,1 - DICHLOROETHANE	4.7	4	ug/L	8260B	118	80-120	LFB	
	0 1,1 - DICHLOROETHYLENE	4.6	4	ug/L	8260B	115	80-120	LFB	
	0 1,1 - DICHLOROPROPENE	4.8	4	ug/L	8260B	120	80-120	LFB	
	0 1,1,1 - TRICHLOROETHANE	4.3	4	ug/L	8260B	108	80-120	LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,1,2 - TRICHLOROETHANE	4.5	4	ug/L	8260B	113	80-120	LFB	
	0 1,1,2 - TRICHLOROTRIFLUOROETHANE	2.4	2	ug/L	8260B	120	80-120	LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	4.3	4	ug/L	8260B	108	80-120	LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,2 - DICHLOROETHANE	4.8	4	ug/L	8260B	120	80-120	LFB	
	0 1,2 - DICHLOROPROPANE	4.8	4	ug/L	8260B	120	80-120	LFB	
	0 1,2,3 - TRICHLOROBENZENE	3.8	4	ug/L	8260B	95	80-120	LFB	
	0 1,2,3 - TRICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120	LFB	
	0 1,2,4 - TRICHLOROBENZENE	3.7	4	ug/L	8260B	93	80-120	LFB	
	0 1,2,4 - TRIMETHYLBENZENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,3 - DICHLOROBENZENE (meta)	4.1	4	ug/L	8260B	103	80-120	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_150408	0 1,3 - DICHLOROPROPANE	4.5	4	ug/L	8260B	113	80-120		LFB	
	0 1,3,5 - TRIMETHYLBENZENE	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 1,4 - DICHLOROENZENE (para)	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 1-CHLOROBUTANE	12	10	ug/L	8260B	120	80-120		LFB	
	0 2,2 - DICHLOROPROPANE	5.0	4	ug/L	8260B	125	80-120	HR	LFB	
	0 2-BUTANONE (MEK)	11.8	10	ug/L	8260B	118	80-120		LFB	
	0 2-CHLOROETHYL VINYL ETHER	11.9	10	ug/L	8260B	119	80-120		LFB	
	0 2-HEXANONE	11.6	10	ug/L	8260B	116	80-120		LFB	
	0 2-NITROPROPANE	8.6	10	ug/L	8260B	86	80-120		LFB	
	0 4-METHYL-2-PENTANONE	10.9	10	ug/L	8260B	109	80-120		LFB	
	0 ACETONE	10.6	10	ug/L	8260B	106	80-120		LFB	
	0 ACRROLEIN	9.6	10	ug/L	8260B	96	80-120		LFB	
	0 ALLYL CHLORIDE	9.6	10	ug/L	8260B	96	80-120		LFB	
	0 BENZENE	4.8	4	ug/L	8260B	120	80-120		LFB	
	0 BROMOBENZENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 BROMOCHLOROMETHANE	4.8	4	ug/L	8260B	120	80-120		LFB	
	0 BROMODICHLOROMETHANE	4.5	4	ug/L	8260B	113	80-120		LFB	
	0 BROMOFORM	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 BROMOMETHANE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 CARBON DISULFIDE	10.6	10	ug/L	8260B	106	80-120		LFB	
	0 CARBON TETRACHLORIDE	4.6	4	ug/L	8260B	115	80-120		LFB	
	0 CHLOROBENZENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 CHLOROETHANE	4.6	4	ug/L	8260B	115	80-120		LFB	
	0 CHLOROFORM	4.4	4	ug/L	8260B	110	80-120		LFB	
	0 CHLOROMETHANE	5.1	4	ug/L	8260B	128	80-120	HR	LFB	
	0 CIS - 1,2 - DICHLOROETHENE	4.4	4	ug/L	8260B	110	80-120		LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 DIBROMOCHLOROMETHANE	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 DIBROMOMETHANE	4.7	4	ug/L	8260B	118	80-120		LFB	
	0 DICHLORODIFLUOROMETHANE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 DICHLOROFLUOROMETHANE (FREON-21)	2.4	2	ug/L	8260B	120	80-120		LFB	
	0 DIETHYL ETHER	11.4	10	ug/L	8260B	114	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_150408	0 ETHYL METHACRYLATE	10.6	10	ug/L	8260B	106	80-120		LFB	
	0 ETHYLBENZENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 HEXACHLOROBUTADIENE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 HEXACHLOROETHANE	10.9	10	ug/L	8260B	109	80-120		LFB	
	0 ISOPROPYLBENZENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 M,P- XYLENE	8.5	8	ug/L	8260B	106	80-120		LFB	
	0 METHACRYLONITRILE	10.9	10	ug/L	8260B	109	80-120		LFB	
	0 METHYL ACRYLATE	11.2	10	ug/L	8260B	112	80-120		LFB	
	0 METHYL IODIDE	12	10	ug/L	8260B	120	80-120		LFB	
	0 METHYL METHACRYLATE	10.9	10	ug/L	8260B	109	80-120		LFB	
	0 METHYL TERT-BUTYL ETHER	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 METHYLENE CHLORIDE	4.7	4	ug/L	8260B	118	80-120		LFB	
	0 N - BUTYLBENZENE	4.4	4	ug/L	8260B	110	80-120		LFB	
	0 N - PROPYLBENZENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 NAPHTHALENE	3.2	4	ug/L	8260B	80	80-120		LFB	
	0 O - CHLOROTOLUENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 O - XYLENE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 P - CHLOROTOLUENE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 P - ISOPROPYLTOLUENE	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 PENTACHLOROETHANE	3.1	10	ug/L	8260B	31	80-120	LR	LFB	
	0 SEC - BUTYLBENZENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 STYRENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 TERT - BUTYLBENZENE	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 TETRACHLOROETHYLENE	4.4	4	ug/L	8260B	110	80-120		LFB	
	0 TETRAHYDROFURAN	10.1	10	ug/L	8260B	101	80-120		LFB	
	0 TOLUENE	4.4	4	ug/L	8260B	110	80-120		LFB	
	0 TRANS - 1,2 - DICHLOROETHENE	4.5	4	ug/L	8260B	113	80-120		LFB	
	0 TRANS - 1,3 - DICHLOROPROPENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 TRANS - 1,4 - DICHLORO-2-BUTENE	9.8	10	ug/L	8260B	98	80-120		LFB	
	0 TRICHLOROETHENE	4.6	4	ug/L	8260B	115	80-120		LFB	
	0 TRICHLOROFLUOROMETHANE	5.2	4	ug/L	8260B	130	80-120	V3	LFB	
	0 VINYL ACETATE	9.2	10	ug/L	8260B	92	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Laboratory Fortified Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_150408	0 ACRYLONITRILE	23.3	20	ug/L	8260B	117	80-120	LFB		
	0 VINYL CHLORIDE	4.8	4	ug/L	8260B	120	80-120	LFB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7-150416A	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
	0 IRON	ND		mg/L	200.7		0-0	LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_150414WV	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
200.8_150415A	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
310.2_150417	0 ALKALINITY	ND		mg CaCO3/l	310.2		0-1	LRB	
7470A_150410	0 MERCURY	ND		mg/L	7470A		0-0	LRB	
1150408A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 NITRATE-N	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
TPHOS-150414	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
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*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
200.7-150416A	0 CALCIUM	ND		mg/L	200.7		0-0		MB	
	0 IRON	ND		mg/L	200.7		0-0		MB	
	0 MANGANESE	ND		mg/L	200.7		0-0		MB	
200.8_150414WV	0 BARIUM	ND		mg/L	200.8		0-0		MB	
	0 CADMIUM	ND		mg/L	200.8		0-0		MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		MB	
	0 COPPER	ND		mg/L	200.8		0-0		MB	
	0 LEAD	ND		mg/L	200.8		0-0		MB	
	0 SELENIUM	ND		mg/L	200.8		0-0		MB	
	0 SILVER	ND		mg/L	200.8		0-0		MB	
	0 ZINC	ND		mg/L	200.8		0-0		MB	
310.2_150417	0 ALKALINITY	ND		mg CaCO3/l	310.2		0-1		MB	
8151_150414	0 2,4 - D	ND		ug/L	8151A		0-0		MB	
	0 2,4 DB	ND		ug/L	8151A		0-0		MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0		MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0		MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0		MB	
	0 BENTAZON	ND		ug/L	8151A		0-0		MB	
	0 DALAPON	ND		ug/L	8151A		0-0		MB	
	0 DICAMBA	ND		ug/L	8151A		0-0		MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0		MB	
	0 DINOSEB	ND		ug/L	8151A		0-0		MB	
	0 MCPA	ND		ug/L	8151A		0-0		MB	
	0 MCPP	ND		ug/L	8151A		0-0		MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0		MB	
	0 PICLORAM	ND		ug/L	8151A		0-0		MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0		MB	
8260W_150408	0 (FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0		MB	TB 15-05698

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150408	0 1,1 - DICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 1-CHLOROBUTANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 2-BUTANONE (MEK)	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 2-HEXANONE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 2-NITROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 4-METHYL-2-PENTANONE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 ACETONE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 ACROLEIN	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 ACRYLONITRILE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 ALLYL CHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 BENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150408	0 BROMOBENZENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 BROMOFORM	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 BROMOMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CARBON DISULFIDE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CHLOROBENZENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CHLOROETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CHLOROFORM	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CHLOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 DIBROMOMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 DIETHYL ETHER	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 ETHYL METHACRYLATE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 ETHYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 HEXACHLOROETHANE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 ISOPROPYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 M,P- XYLENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 METHACRYLONITRILE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 METHYL ACRYLATE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 METHYL IODIDE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 METHYL METHACRYLATE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 METHYLENE CHLORIDE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 N - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 15-05698
	0 N - PROPYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 15-05698

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150408	0 NAPHTHALENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 O - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 O - XYLENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 P - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 PENTACHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 SEC - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 STYRENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TERT - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TETRACHLOROETHYLENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TETRAHYDROFURAN	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TRICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 15-05698
	0 TRICHLOROFLUOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-05698
0 VINYL ACETATE	ND		ug/L	8260B	0-0		MB	TB 15-05698	
0 VINYL CHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-05698	
TDS_150410	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0-3		MB	
	1 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0-3		MB	
TPHOS-150414	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0-0		MB	
TURB_150408	0 TURBIDITY	ND		NTU	180.1	0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-150416A	0 IRON	2.1	2	mg/L	200.7	105	95-105	QCS	
	0 MANGANESE	2.05	2	mg/L	200.7	103	95-105	QCS	
	1 CALCIUM	19.5	20	mg/L	200.7	98	95-105	QCS	
200.8_150414VV	0 BARIUM	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 CADMIUM	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 CHROMIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 COPPER	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 LEAD	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 SELENIUM	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 SILVER	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 ZINC	0.044	0.040	mg/L	200.8	110	90-110	QCS	
200.8_150415A	0 BARIUM	0.04	0.04	mg/L	200.8	100	90-110	QCS	
	0 CADMIUM	0.039	0.04	mg/L	200.8	98	90-110	QCS	
	0 CHROMIUM	0.038	0.04	mg/L	200.8	95	90-110	QCS	
	0 COPPER	0.042	0.04	mg/L	200.8	105	90-110	QCS	
	0 LEAD	0.039	0.04	mg/L	200.8	98	90-110	QCS	
	0 SELENIUM	0.041	0.04	mg/L	200.8	103	90-110	QCS	
	0 SILVER	0.02	0.02	mg/L	200.8	100	90-110	QCS	
0 ZINC	0.041	0.04	mg/L	200.8	103	90-110	QCS		
310.2_150417	0 ALKALINITY	98.8	100	mg CaCO3/l	310.2	99	85-115	QCS	
7470A_150410	0 MERCURY	0.00183	0.00185	mg/L	7470A	99	90-110	QCS	
COLOR_150408	0 COLOR	10	10	CU	SM2120 B	100	0-10	QCS	
1150408A	0 CHLORIDE	3.02	3.00	mg/L	300.0	101	90-110	QCS	
	0 FLUORIDE	1.91	2.00	mg/L	300.0	96	90-110	QCS	
	0 NITRATE-N	2.81	3.00	mg/L	300.0	94	90-110	QCS	
	0 SULFATE	15	15	mg/L	300.0	100	90-110	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **15-06517**

Report Date: 05/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TDS_150410	0 TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	80-120	QCS	
	1 TOTAL DISSOLVED SOLIDS (TDS)	490	500	mg/L	SM2540 C	98	80-120	QCS	
TPHOS-150414	0 TOTAL PHOSPHORUS	0.112	0.102	mg/L	SM4500-P F	110	90-110	QCS	
TURB_150408	0 TURBIDITY	1.01	1.00	NTU	180.1	101	80-120	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
Duplicate											
200.7-150416A											
	15303	MANGANESE	0.293	0.263		mg/L	10.8	0-20			DUP
200.8_150414ww											
	14516	CADMIUM	0.0002	0.0002		mg/L	0.0	0-20			DUP
	14516	CHROMIUM	0.0012	0.0011		mg/L	8.7	0-20			DUP
	14516	COPPER	0.0035	0.0034		mg/L	2.9	0-20			DUP
	14516	LEAD	ND	ND		mg/L	NA	0-20			DUP
	14516	SELENIUM	0.0003	0.0002		mg/L	40.0	0-20	IEV		DUP
	15303	BARIUM	0.062	0.060		mg/L	3.3	0-20			DUP
	15303	CADMIUM	0.0004	0.0004		mg/L	0.0	0-20			DUP
	15303	CHROMIUM	0.005	0.0056		mg/L	11.3	0-20			DUP
	15303	LEAD	0.0065	0.0065		mg/L	0.0	0-20			DUP
	15303	SELENIUM	0.00092	0.0009		mg/L	2.2	0-20			DUP
	15303	SILVER	0.0004	0.0005		mg/L	22.2	0-20	IM		DUP
	15380	CADMIUM	ND	ND		ug/L	NA	0-20			DUP
	15380	LEAD	ND	ND		ug/L	NA	0-20			DUP
200.8_150415A											
	14377	BARIUM	0.005	0.005		mg/L	0.0	0-20			DUP
	14377	CHROMIUM	ND	ND		mg/L	NA	0-20			DUP
	14377	LEAD	ND	ND		mg/L	NA	0-20			DUP
	14377	SELENIUM	ND	ND		mg/L	NA	0-20			DUP
	15266	BARIUM	0.041	0.040		mg/L	2.5	0-20			DUP
	15266	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	15266	CHROMIUM	0.001	0.001		mg/L	0.0	0-20			DUP
	15266	COPPER	0.006	0.006		mg/L	0.0	0-20			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
	15266	LEAD	ND	ND	mg/L	NA	0-20		DUP	
	15266	SELENIUM	ND	ND	mg/L	NA	0-20		DUP	
	15266	SILVER	ND	ND	mg/L	NA	0-20		DUP	
	15266	ZINC	ND	ND	mg/L	NA	0-20		DUP	
310.2_150417										
	15168	ALKALINITY	269	270	mg CaCO3/l	0.4	0-20		DUP	
	15432	ALKALINITY	367	367	mg CaCO3/l	0.0	0-20		DUP	
	15978	ALKALINITY	111	111	mg CaCO3/l	0.0	0-20		DUP	
	15987	ALKALINITY	528	531	mg CaCO3/l	0.6	0-20		DUP	
	16299	ALKALINITY	58.7	58.6	mgCaCO3/L	0.2	0-20		DUP	
	16299	BICARBONATE	58.7	58.6	mg CaCO3/l	0.2	0-20		DUP	
	16468	ALKALINITY	362	362	mg CaCO3/l	0.0	0-20		DUP	
7470A_150410										
	14515	MERCURY	ND	ND	mg/L	NA	0-45		DUP	
I150408A										
	13833	CHLORIDE	15	15	mg/L	0.0	0-20		DUP	
	13833	SULFATE	96	96	mg/L	0.0	0-20		DUP	
	13911	CHLORIDE	25	25	mg/L	0.0	0-20		DUP	
	14616	NITRATE-N	6.83	6.84	mg/L	0.1	0-20		DUP	
	14616	CHLORIDE	59	58	mg/L	1.7	0-20		DUP	
	14616	FLUORIDE	ND	ND	mg/L	NA	0-20		DUP	
	14616	SULFATE	26	26	mg/L	0.0	0-20		DUP	
PH_150408										
	14636	HYDROGEN ION (pH)	6.80	6.83	pH Units	0.4	0-45		DUP	
TDS_150410										
	14638	TOTAL DISSOLVED SOLIDS (TDS)	82	85	mg/L	3.6	0-10		DUP	
TPHOS-150414										
	14815	TOTAL PHOSPHORUS	0.164	0.164	mg/L	0.0	0-20		DUP	
	14825	TOTAL PHOSPHORUS	0.029	0.035	mg/L	18.8	0-20		DUP	
	15141	TOTAL PHOSPHORUS	0.036	0.027	mg/L	28.6	0-20	INH	DUP	
	15377	TOTAL PHOSPHORUS	0.018	0.023	mg/L	24.4	0-20	INH	DUP	
TURB_150408										
	14638	TURBIDITY	8.37	8.48	NTU	1.3	0-20		DUP	

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NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7-150416A															
	15303	MANGANESE	0.293	0.334		0.050	mg/L	82		70-130	NA	0-20			LFM
200.8_150414ww															
	14516	CADMIUM	0.0002	0.0515		0.050	mg/L	103		70-130	NA	0-20			LFM
	14516	CHROMIUM	0.0012	0.0512		0.050	mg/L	100		70-130	NA	0-20			LFM
	14516	COPPER	0.0035	0.0556		0.050	mg/L	104		70-130	NA	0-20			LFM
	14516	LEAD	ND	0.049		0.050	mg/L	98		70-130	NA	0-20			LFM
	14516	SELENIUM	0.0003	0.049		0.050	mg/L	97		70-130	NA	0-20			LFM
	15303	BARIUM	0.062	0.113		0.050	mg/L	102		70-130	NA	0-20			LFM
	15303	CADMIUM	0.0004	0.051		0.050	mg/L	101		70-130	NA	0-20			LFM
	15303	CHROMIUM	0.005	0.056		0.050	mg/L	102		70-130	NA	0-20			LFM
	15303	LEAD	0.0065	0.053		0.050	mg/L	93		70-130	NA	0-20			LFM
	15303	SELENIUM	0.00092	0.044		0.050	mg/L	86		70-130	NA	0-20			LFM
	15303	SILVER	0.0004	0.019		0.050	mg/L	37		70-130	NA	0-20	IM		LFM
	15380	CADMIUM	ND	50		50	ug/L	100		70-130	NA	0-20			LFM
	15380	LEAD	ND	47		50	ug/L	94		70-130	NA	0-20			LFM
200.8_150415A															
	14377	BARIUM	0.005	0.014		0.010	mg/L	90		70-130	NA	0-20			LFM
	14377	CHROMIUM	ND	0.0099		0.010	mg/L	99		70-130	NA	0-20			LFM
	14377	LEAD	ND	0.010		0.010	mg/L	100		70-130	NA	0-20			LFM
	14377	SELENIUM	ND	0.010		0.010	mg/L	100		70-130	NA	0-20			LFM
	15266	BARIUM	0.041	0.049		0.010	mg/L	80		70-130	NA	0-20			LFM
	15266	CADMIUM	ND	0.009		0.010	mg/L	90		70-130	NA	0-20			LFM
	15266	CHROMIUM	0.001	0.010		0.010	mg/L	90		70-130	NA	0-20			LFM
	15266	COPPER	0.006	0.015		0.010	mg/L	90		70-130	NA	0-20			LFM
	15266	LEAD	ND	0.009		0.010	mg/L	90		70-130	NA	0-20			LFM
	15266	SELENIUM	ND	0.009		0.010	mg/L	90		70-130	NA	0-20			LFM
	15266	SILVER	ND	0.008		0.010	mg/L	80		70-130	NA	0-20			LFM
	15266	ZINC	ND	0.012		0.010	mg/L	120		70-130	NA	0-20			LFM
310.2_150417															
	15168	ALKALINITY	269	492	492	250	mg CaCO3/89	89		70-130	0.0	0-20			LFM
	15432	ALKALINITY	367	591	589	250	mg CaCO3/90	89		70-130	0.9	0-20			LFM
	15978	ALKALINITY	111	357	356	250	mg CaCO3/98	98		70-130	0.4	0-20			LFM

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NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	15987	ALKALINITY	528	764	745	250	mg CaCO3/94	87		70-130	8.4	0-20			LFM
	16299	ALKALINITY	58.7	316	310	250	mgCaCO3/L103	101		70-130	2.4	0-20			LFM
	16299	BICARBONATE	58.7	316	310	250	mg CaCO3/103	101		70-130	2.4	0-20			LFM
	16468	ALKALINITY	362	584	588	250	mg CaCO3/89	90		70-130	1.8	0-20			LFM
7470A_150410															
	14515	MERCURY	ND	0.00174	0.00174	0.00167	mg/L	104	104	70-130	0.0	0-20			LFM
8151_150414															
	14635	2,4 - D	ND	1.79	1.9	2	ug/L	90	95	60-120	6.0	0-20			LFM
	14635	2,4 DB	ND	3.6	3.2	8	ug/L	45	40	49-134	11.8	0-20			LFM
	14635	2,4,5 - TP (SILVEX)	ND	0.97	1.01	1	ug/L	97	101	68-122	4.0	0-20			LFM
	14635	2,4,5 T	ND	0.96	1.02	1	ug/L	96	102	62-128	6.1	0-20			LFM
	14635	ACIFLUORFEN	ND	0.72	0.77	1	ug/L	72	77	65-125	6.7	0-20			LFM
	14635	BENTAZON	ND	2	2.09	2	ug/L	100	105	67-121	4.4	0-20			LFM
	14635	DALAPON	ND	10.4	9.81	13	ug/L	80	75	53-421	5.8	0-20			LFM
	14635	DICAMBA	ND	0.91	0.94	1	ug/L	91	94	66-126	3.2	0-20			LFM
	14635	DICHLORPROP	ND	2.69	2.77	3	ug/L	90	92	63-123	2.9	0-20			LFM
	14635	DINOSEB	ND	1.63	1.68	2	ug/L	82	84	73-127	3.0	0-20			LFM
	14635	MCPA	ND	0.83	0.86	1	ug/L	83	86	49-121	3.6	0-20			LFM
	14635	MCPP	ND	0.76	0.74	1	ug/L	76	74	48-126	2.7	0-20			LFM
	14635	PENTACHLOROPHENOL	ND	0.91	0.95	1	ug/L	91	95	69-123	4.3	0-20			LFM
	14635	PICLORAM	ND	0.93	0.98	1	ug/L	93	98	48-114	5.2	0-20			LFM
	14635	TOTAL DCPA	ND	1.04	1.08	1	ug/L	104	108	48-168	3.8	0-20			LFM
8260W_150408															
	13079	1,1 - DICHLOROETHANE	0.3	5.1	4.8	4	ug/L	120	113	70-130	6.5	0-20			LFM
	13079	1,1 - DICHLOROETHYLENE	ND	4.4	4.2	4	ug/L	110	105	70-130	4.7	0-20			LFM
	13079	1,1 - DICHLOROPROPENE	ND	4.7	4.5	4	ug/L	118	113	70-130	4.3	0-20			LFM
	13079	1,1,1 - TRICHLOROETHANE	ND	4.9	4.7	4	ug/L	123	118	70-130	4.2	0-20			LFM
	13079	1,1,1,2 - TETRACHLOROETHANE	ND	3.9	3.9	4	ug/L	98	98	70-130	0.0	0-20			LFM
	13079	1,1,2 - TRICHLOROETHANE	ND	4.5	4.5	4	ug/L	113	113	70-130	0.0	0-20			LFM
	13079	1,1,2,2 - TETRACHLOROETHANE	ND	4.5	4.6	4	ug/L	113	115	70-130	2.2	0-20			LFM
	13079	1,2 - DICHLOROBENZENE (ortho)	ND	3.8	3.7	4	ug/L	95	93	70-130	2.7	0-20			LFM
	13079	1,2 - DICHLOROETHANE	ND	5.1	5.0	4	ug/L	128	125	70-130	2.0	0-20			LFM
	13079	1,2 - DICHLOROPROPANE	ND	4.9	4.7	4	ug/L	123	118	70-130	4.2	0-20			LFM
	13079	1,2,3 - TRICHLOROBENZENE	ND	3.7	3.9	4	ug/L	93	98	70-130	5.3	0-20			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate			Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result	Spike Conc		MS	MSD				Qualifier	Type	
	13079	1,2,3 - TRICHLOROPROPANE	ND	3.8	3.9	4	ug/L	95	98	70-130	2.6	0-20		LFM	
	13079	1,2,4 - TRICHLOROBENZENE	ND	3.7	3.7	4	ug/L	93	93	70-130	0.0	0-20		LFM	
	13079	1,2,4 - TRIMETHYLBENZENE	ND	3.9	3.8	4	ug/L	98	95	70-130	2.6	0-20		LFM	
	13079	1,2-DIBROMO-3-CHLOROPROPANE	ND	3.3	3.9	4	ug/L	83	98	70-130	16.7	0-20		LFM	
	13079	1,3 - DICHLOROBENZENE (meta)	ND	3.8	3.9	4	ug/L	95	98	70-130	2.6	0-20		LFM	
	13079	1,3 - DICHLOROPROPANE	ND	4.6	4.5	4	ug/L	115	113	70-130	2.2	0-20		LFM	
	13079	1,3,5 - TRIMETHYLBENZENE	ND	4.0	3.9	4	ug/L	100	98	70-130	2.5	0-20		LFM	
	13079	1,4 - DICHLOROBENZENE (para)	ND	4.0	4.0	4	ug/L	100	100	70-130	0.0	0-20		LFM	
	13079	2,2 - DICHLOROPROPANE	ND	4.7	4.5	4	ug/L	118	113	70-130	4.3	0-20		LFM	
	13079	BENZENE	ND	4.5	4.4	4	ug/L	113	110	70-130	2.2	0-20		LFM	
	13079	BROMOBENZENE	ND	3.8	3.8	4	ug/L	95	95	70-130	0.0	0-20		LFM	
	13079	BROMOCHLOROMETHANE	ND	4.8	4.6	4	ug/L	120	115	70-130	4.3	0-20		LFM	
	13079	BROMODICHLOROMETHANE	ND	4.5	4.2	4	ug/L	113	105	70-130	6.9	0-20		LFM	
	13079	BROMOFORM	ND	3.7	3.7	4	ug/L	93	93	70-130	0.0	0-20		LFM	
	13079	BROMOMETHANE	ND	5.0	6.4	HR 4	ug/L	125	160	70-130	24.6	0-20		LFM	
	13079	CARBON TETRACHLORIDE	ND	4.9	4.7	4	ug/L	123	118	70-130	4.2	0-20		LFM	
	13079	CHLOROBENZENE	ND	4.2	4.1	4	ug/L	105	103	70-130	2.4	0-20		LFM	
	13079	CHLOROETHANE	ND	4.9	2.5	LR 4	ug/L	123	63	70-130	64.9	0-20	R9	LFM	
	13079	CHLOROFORM	ND	4.9	4.6	4	ug/L	123	115	70-130	6.3	0-20		LFM	
	13079	CHLOROMETHANE	ND	4.4	4.2	4	ug/L	110	105	70-130	4.7	0-20		LFM	
	13079	CIS - 1,2 - DICHLOROETHENE	ND	4.8	4.4	4	ug/L	120	110	70-130	8.7	0-20		LFM	
	13079	CIS - 1,3 - DICHLOROPROPENE	ND	4.2	3.9	4	ug/L	105	98	70-130	7.4	0-20		LFM	
	13079	DIBROMOCHLOROMETHANE	ND	4.3	4.3	4	ug/L	108	108	70-130	0.0	0-20		LFM	
	13079	DIBROMOMETHANE	ND	4.9	4.7	4	ug/L	123	118	70-130	4.2	0-20		LFM	
	13079	DICHLORODIFLUOROMETHANE	0.3	3.9	3.7	4	ug/L	90	85	70-130	5.7	0-20		LFM	
	13079	ETHYLBENZENE	ND	3.9	4.0	4	ug/L	98	100	70-130	2.5	0-20		LFM	
	13079	HEXACHLOROBUTADIENE	ND	3.9	3.8	4	ug/L	98	95	70-130	2.6	0-20		LFM	
	13079	ISOPROPYLBENZENE	ND	4.0	3.9	4	ug/L	100	98	70-130	2.5	0-20		LFM	
	13079	M,P- XYLENE	ND	7.9	7.7	8	ug/L	99	96	70-130	2.6	0-20		LFM	
	13079	METHYL TERT-BUTYL ETHER	ND	4.2	4.1	4	ug/L	105	103	70-130	2.4	0-20		LFM	
	13079	METHYLENE CHLORIDE	ND	4.8	4.5	4	ug/L	120	113	70-130	6.5	0-20		LFM	
	13079	N - BUTYLBENZENE	ND	4.3	4.2	4	ug/L	108	105	70-130	2.4	0-20		LFM	
	13079	N - PROPYLBENZENE	ND	4.1	4.0	4	ug/L	103	100	70-130	2.5	0-20		LFM	
	13079	NAPHTHALENE	ND	3.1	3.4	4	ug/L	78	85	70-130	9.2	0-20		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	13079	O - CHLOROTOLUENE	ND	4.1	4.0	4	ug/L	103	100	70-130	2.5	0-20		LFM	
	13079	O - XYLENE	ND	3.9	3.8	4	ug/L	98	95	70-130	2.6	0-20		LFM	
	13079	P - CHLOROTOLUENE	ND	3.9	3.8	4	ug/L	98	95	70-130	2.6	0-20		LFM	
	13079	P - ISOPROPYLTOLUENE	ND	3.9	3.9	4	ug/L	98	98	70-130	0.0	0-20		LFM	
	13079	SEC - BUTYLBENZENE	ND	4.1	4.1	4	ug/L	103	103	70-130	0.0	0-20		LFM	
	13079	STYRENE	ND	3.8	3.7	4	ug/L	95	93	70-130	2.7	0-20		LFM	
	13079	TERT - BUTYLBENZENE	ND	3.9	3.9	4	ug/L	98	98	70-130	0.0	0-20		LFM	
	13079	TETRACHLOROETHYLENE	ND	4.8	4.6	4	ug/L	120	115	70-130	4.3	0-20		LFM	
	13079	TOLUENE	ND	4.7	4.5	4	ug/L	118	113	70-130	4.3	0-20		LFM	
	13079	TRANS - 1,2 - DICHLOROETHENE	ND	4.8	4.4	4	ug/L	120	110	70-130	8.7	0-20		LFM	
	13079	TRANS - 1,3 - DICHLOROPROPENE	ND	4.0	3.8	4	ug/L	100	95	70-130	5.1	0-20		LFM	
	13079	TRICHLOROETHENE	ND	4.4	4.1	4	ug/L	110	103	70-130	7.1	0-20		LFM	
	13079	TRICHLOROFLUOROMETHANE	ND	5.1	4.9	4	ug/L	128	123	70-130	4.0	0-20		LFM	
	13079	VINYL CHLORIDE	ND	4.5	4.3	4	ug/L	113	108	70-130	4.5	0-20		LFM	
I150408A															
	13833	CHLORIDE	15	16		1.00	mg/L	100	NA	90-110	NA	0-20		LFM	
	13911	CHLORIDE	25	26		1.00	mg/L	100	NA	90-110	NA	0-20		LFM	
	14616	NITRATE-N	6.83	7.82		1.00	mg/L	99	NA	90-110	NA	0-20		LFM	
	14616	FLUORIDE	ND	0.93		1.00	mg/L	93	NA	90-110	NA	0-20		LFM	
TPHOS-150414															
	14815	TOTAL PHOSPHORUS	0.164	0.227	0.226	0.050	mg/L	126	124	70-130	1.6	0-20		LFM	
	14825	TOTAL PHOSPHORUS	0.029	0.083	0.084	0.050	mg/L	108	110	70-130	1.8	0-20		LFM	
	15141	TOTAL PHOSPHORUS	0.036	0.077	0.080	0.050	mg/L	82	88	70-130	7.1	0-20		LFM	
	15377	TOTAL PHOSPHORUS	0.018	0.077	0.075	0.050	mg/L	118	114	70-130	3.4	0-20		LFM	

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Qualifier Definitions

Reference Number: 15-06517

Report Date: 05/04/15

Qualifier	Definition
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.
R9	Sample RPD exceeded the laboratory acceptance limit.
V3	CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

25439



ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Check Regulatory Program	
City: Milton-Freewater St. OR zip: 97862	City: St. Zip:	<input type="checkbox"/> Safe Drinking Water Act	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Clean Water Act	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> RCRA / CERCLA	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires	<input type="checkbox"/> Other	
Project: Locher Road Water Quality	Card#:		

Analyses Requested

- Instructions**
- Use one line per sample location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)
 - Check off analyses to be performed for each sample location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8151	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Nitrate as N, Turbidity, Corrosivity	Odor	Num	Special Instructions Conditions on Receipt
1	GLU-70 Locher Road	G	GLU	4-7-15	9:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	GLU-71 Locher Road	G	GLU	4-7-15	11:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3	GLU-72 Locher Road	G	GLU	4-7-15	11:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	INTRAKE Locher Road	G	SW	4-7-15	10:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: 541-938-2170 Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Reinquished by: STEVEN PATTEN Date: 4-7-15 Time: 12:45 Received by: UPS Date: 4-8-15 Time: 0920

Custody seals intact Yes No N/A
 Sample temp 25C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

25439



ANALYTICAL
 Main Lab (800-755-9295)
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 905 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour
 Ship Address: 810 S Main Street
 City: Milton-Freewe St. OR zip: 97862
 Attn: Steven Patten
 Phone: 541.938-2170 FAX:
 Email: steven.patten@wwbwc.org

Bill to:
 Address:
 City: St:
 Phone: FAX:
 P.O.#: Attn:
 Visa M/C A/E Expires /
 Card#:

For Lab Use Only
 Ref #
 Check Regulatory Program
 Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

Analyses Requested

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required
 Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	TRIP BLANK (8260)	Number of Containers								
1	6W-70 Locher Road	G	6W	4-7-15	9:20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	6W-71 Locher Road	G	6W	4-7-15	11:50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	6W-72 Locher Road	G	6W	4-7-15	11:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	6W-72 Locher Road	G	SW	4-7-15	10:20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: 541-938-2170 Email: steven.patten@wwbwc.org											Total Containers							

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
STEVEN PATTEN	4-7-15	12:15	WPS	4-8-15	09:20

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com



10032

Professional
Analytical
Services

ANALYSIS REPORT

Edge Analytical
1620 S. Walnut
Burlington, WA 98233
Attention: Fran
All results reported on an as received basis.

Date Received: 05/22/15
Date Reported: 5/28/15

AMTEST Identification Number 15-A007820
Client Identification 22850
Sampling Date 05/20/15, 10:50

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	0.044	mg/l		0.025	SM 5540C	SW	05/22/15

AMTEST Identification Number 15-A007821
Client Identification 22851
Sampling Date 05/20/15, 10:35

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	SW	05/22/15

AMTEST Identification Number 15-A007822
Client Identification 22852
Sampling Date 05/20/15, 11:50

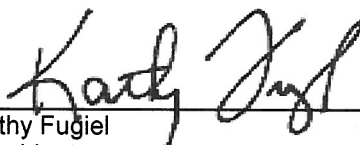
Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	SW	05/22/15

AMTEST Identification Number 15-A007823
Client Identification 22853
Sampling Date 05/20/15, 11:15

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Surfactants	< 0.025	mg/l		0.025	SM 5540C	SW	05/22/15



Kathy Fugiel
President

Am Test Inc.
13600 NE 126th PL
Suite C
Kirkland, WA, 98034
(425) 885-1664
www.amtestlab.com



*Professional
Analytical
Services*

QC Summary for sample numbers: 15-A007820 to 15-A007823

DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	DUP VALUE	RPD
15-A007823	Surfactants	mg/l	< 0.025	< 0.025	

STANDARD REFERENCE MATERIALS

ANALYTE	UNITS	TRUE VALUE	MEASURED VALUE	RECOVERY
Surfactants	mg/l	0.125	0.125	100. %

BLANKS

ANALYTE	UNITS	RESULT
Surfactants	mg/l	< 0.025



ANALYTICAL

Burlington, WA	Corporate Laboratory (a)	1800 5 th Street SE	Burlington, WA 98225	800.755.0295 • 360.767.4430
Bellingham, WA	Microbiology (b)	605 Orchard Lane #4	Bellingham, WA 98225	360.716.1212
Portland, OR	Microbiology/Chemistry (c)	3160 SW Park Ave. #150-W	Portland, OR 97201	503.662.7832
Corvallis, OR	Microbiology (d)	440 SW Third Street	Corvallis, OR 97331	541.753.4945

Subcontract Work Order

Laboratory Name: AM TEST INC.
 13600 NE 126th Place, Ste C
 Kirkland, WA 98034

Date: 5/21/2015
 Reference Number: 15-10032
 Date Due: 6/4/2015

Lab Number: 22850	7820	Matrix: SW	Date Sampled: 5/20/2015	10:50
Analyte Name		Units	PQL	
Analytical Method	SM5540 C			
SURFACTANTS		mg/L	0.05	
Lab Number: 22851	7821	Matrix: W	Date Sampled: 5/20/2015	10:35
Analyte Name		Units	PQL	
Analytical Method	SM5540 C			
SURFACTANTS		mg/L	0.05	
Lab Number: 22852	7822	Matrix: W	Date Sampled: 5/20/2015	11:50
Analyte Name		Units	PQL	
Analytical Method	SM5540 C			
SURFACTANTS		mg/L	0.05	
Lab Number: 22853	7823	Matrix: W	Date Sampled: 5/13/2015	11:15
Analyte Name		Units	PQL	
Analytical Method	SM5540 C			
SURFACTANTS		mg/L	0.05	

Relinquished By

Date _____ Time _____

Received By

5/22/15 9:30

Date _____ Time _____

UPS 43 7.7.2°C



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 18, 2015

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-10032 - Locher Road Water Quality

Dear Mr. Steven Patten,

Your project: Locher Road Water Quality, was received on Thursday May 21, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 18, 2015

Page 1 of 1

Case Narrative

Reference: **15-10032**

Lab Sample ID	Sample Information
22850	Intake - Locher Rd.
Analytical Method SM2150	Notes Sample # 22850 for odor (SM2150) had a reported aroma of dirt.
	Created by GSW



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **15-10032**
 Project: Locher Road Water Quality

Report Date: 6/18/15

Date Received: 5/21/15

Approved by: bj,cl,c,fm,mvp,sps

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Intake - Locher Rd. Sample Date: 5/20/15 10:50 am
 Lab Number: 22850 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	7.33	0.10		NTU	1.0	180.1	a	5/21/15	GSW	TURB_150521	
16887-00-6	CHLORIDE	2.2	0.1	0.0211	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
16984-48-8	FLUORIDE	0.1	0.1	0.0054	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14797-55-8	NITRATE-N	0.56	0.100	0.0114	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14808-79-8	SULFATE	4.3	0.2	0.0174	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
E-14506	ALKALINITY	72.6	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	72.6	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-1.29			SI	1.0	SM203	a	6/1/15	MVP	COR_150601	
E-11712	COLOR	10	5	1	Color Units	1.0	SM2120 B	a	5/21/15	GSW	COLOR_150521	pH: 7.50
E-11734	ODOR	4.0 N1	1		TON	1.0	SM2150	a	5/21/15	GSW	ODOR_150521	Temperature: 40.2
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	106	10		mg/L	1.0	SM2540 C	a	5/22/15	MMH	TDS_150522	
E-10139	HYDROGEN ION (pH)	7.50			pH Units	1.0	SM4500-H+ B	a	5/21/15	GSW	PH_150521	
NA	SURFACTANTS	0.044	0.05	0.025	mg/L	1.0	SM5540 C		5/22/15	SW	AMTEST_150522	Analyzed by Amtest
E-14551	Fecal Coliform	NA	1		MPN/100ml	1.0	SM9221 E	b	5/21/15		M_150520NA	
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	11.9	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-89-6	IRON	0.59	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-96-5	MANGANESE	0.017	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7440-39-3	BARIUM	0.021	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-47-3	CHROMIUM	0.0004 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-50-8	COPPER	0.0022	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7439-92-1	LEAD	0.0004 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW
7440-66-6	ZINC	0.004	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww
	E. Coli	104.3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/22/15	JMM	qt_150521sure
	TOTAL COLIFORM	>2419.6	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/22/15	JMM	qt_150521sure
7723-14-0	TOTAL PHOSPHORUS	0.084	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/29/15	SPS	TPHOS-150529

Sample Description: GW-70 - Locher Rd.	Sample Date: 5/20/15 10:35 am
Lab Number: 22851	Sample Comment:
	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.36	0.10		NTU	1.0	180.1	a	5/21/15	GSW	TURB_150521	
16887-00-6	CHLORIDE	5.2	0.1	0.0211	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
16984-48-8	FLUORIDE	ND	0.1	0.0054	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14797-55-8	NITRATE-N	5.62	0.100	0.0114	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14808-79-8	SULFATE	10	0.2	0.0174	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
E-14506	ALKALINITY	136	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	136	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-1.25			SI	1.0	SM203	a	6/1/15	MVP	COR_150601	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	5/21/15	GSW	COLOR_150521	pH: 6.90
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/21/15	GSW	ODOR_150521	Temperature: 40.2
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	233	10		mg/L	1.0	SM2540 C	a	5/22/15	MMH	TDS_150522	
E-10139	HYDROGEN ION (pH)	6.90			pH Units	1.0	SM4500-H+ B	a	5/21/15	GSW	PH_150521	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		5/22/15	SW	AMTEST_150522	Analyzed by Amtest
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	29.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-89-6	IRON	0.03 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-96-5	MANGANESE	0.001	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7440-39-3	BARIUM	0.038	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-47-3	CHROMIUM	0.00013 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-50-8	COPPER	0.0016 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-66-6	ZINC	0.002 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7723-14-0	TOTAL PHOSPHORUS	0.084	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/29/15	SPS	TPHOS-150529	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

Data Report

Sample Description: GW-71 - Locher Rd	Sample Date: 5/20/15 11:50 am
Lab Number: 22852 Sample Comment:	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.98	0.10		NTU	1.0	180.1	a	5/21/15	GSW	TURB_150521	
16887-00-6	CHLORIDE	5.3	0.1	0.0211	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
16984-48-8	FLUORIDE	ND	0.1	0.0054	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14797-55-8	NITRATE-N	6.66	0.100	0.0114	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14808-79-8	SULFATE	14.2	0.2	0.0174	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
E-14506	ALKALINITY	115	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	115	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-1.45			SI	1.0	SM203	a	6/1/15	MVP	COR_150601	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	5/21/15	GSW	COLOR_150521	pH: 6.82
E-11734	ODOR	ND	1	1	TON	1.0	SM2150	a	5/22/15	GSW	ODOR_150522	Temperature:
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	228	10		mg/L	1.0	SM2540 C	a	5/22/15	MMH	TDS_150522	
E-10139	HYDROGEN ION (pH)	6.82			pH Units	1.0	SM4500-H+ B	a	5/21/15	GSW	PH_150521	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		5/22/15	SW	AMTEST_150522	Analyzed by Amtest
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	26.3	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-89-6	IRON	0.11	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-96-5	MANGANESE	0.0036	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7440-39-3	BARIUM	0.037	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-50-8	COPPER	0.0017 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7782-49-2	SELENIUM	0.00023	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-66-6	ZINC	0.002 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7723-14-0	TOTAL PHOSPHORUS	0.085	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/29/15	SPS	TPHOS-150529	

Sample Description: GW-72 - Locher Rd	Sample Date: 5/20/15 11:15 am
Lab Number: 22853 Sample Comment:	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.33	0.10		NTU	1.0	180.1	a	5/21/15	GSW	TURB_150521	
16887-00-6	CHLORIDE	2.1	0.1	0.0211	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
16984-48-8	FLUORIDE	ND	0.1	0.0054	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14797-55-8	NITRATE-N	1.07	0.100	0.0114	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
14808-79-8	SULFATE	4.5	0.2	0.0174	mg/L	1.0	300.0	a	5/22/15	BJ	I150521A	
E-14506	ALKALINITY	61.7	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

Data Report

NA	BICARBONATE	61.7	10.0		mg CaCO ₃ /L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO ₃ /L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-2.03			SI	1.0	SM203	a	6/1/15	MVP	COR_150601	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	5/21/15	GSW	COLOR_150521	pH: 6.83
E-11734	ODOR	ND	1	1	TON	1.0	SM2150	a	5/22/15	GSW	ODOR_150522	Temperature:
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	111	10		mg/L	1.0	SM2540 C	a	5/22/15	MMH	TDS_150522	
E-10139	HYDROGEN ION (pH)	6.83			pH Units	1.0	SM4500-H+ B	a	5/21/15	GSW	PH_150521	
NA	SURFACTANTS	ND	0.05	0.025	mg/L	1.0	SM5540 C		5/22/15	SW	AMTEST_150522	Analyzed by Amtest
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	12.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-89-6	IRON	0.01 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7439-96-5	MANGANESE	0.0004 J	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/28/15	BJ	200.7-150528B	
7440-39-3	BARIUM	0.015	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-50-8	COPPER	0.0012 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7782-49-2	SELENIUM	0.00029 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528WW	
7440-66-6	ZINC	0.0014 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/28/15	MVP	200.8_150528ww	
7723-14-0	TOTAL PHOSPHORUS	0.066	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/29/15	SPS	TPHOS-150529	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor



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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22853
Field ID: GW-72
Sample Description: Locher Rd
Matrix: Water
Sample Date: 5/20/15
Extraction Date: 5/27/15
Extraction Method: 3510C

Report Date: 6/18/15
Date Analyzed: 6/11/15
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_150527
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22853
Field ID: GW-72
Sample Description: Locher Rd
Matrix: Water
Sample Date: 5/20/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/18/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22852
Field ID: GW-71
Sample Description: Locher Rd
Matrix: Water
Sample Date: 5/20/15
Extraction Date: 5/27/15
Extraction Method: 3510C

Report Date: 6/18/15
Date Analyzed: 6/11/15
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_150527
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22852
Field ID: GW-71
Sample Description: Locher Rd
Matrix: Water
Sample Date: 5/20/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/18/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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D.F. - Dilution Factor.



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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22851
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/20/15
Extraction Date: 5/27/15
Extraction Method: 3510C

Report Date: 6/18/15
Date Analyzed: 6/11/15
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_150527
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22851
Field ID: GW-70
Sample Description: Locher Rd.
Matrix: Water
Sample Date: 5/20/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/18/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22850
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 5/20/15
Extraction Date: 5/27/15
Extraction Method: 3510C

Report Date: 6/18/15
Date Analyzed: 6/11/15
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_150527
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.1	0.1	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-10032**
Project: Locher Road Water Quality

Lab Number: 22850
Field ID: Intake
Sample Description: Locher Rd.
Matrix: Surface Water
Sample Date: 5/20/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/18/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: co,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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D.F. - Dilution Factor.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 15-10032
Project: Locher Road Water Quality

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Rd.
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22851
Field ID: GW-70
Date Collected: 5/20/15 10:35
Date Received: 5/21/15
Date Analyzed: 5/22/15 12:37
Report Date: 6/18/15
Comment:
Approved By: bj,clc

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Unsatisfactory, Coliform Present	per 100mL	jmm	SM9223 B	m_150521w	
3	E. COLI	Absent	per 100mL		SM9223 B	m_150521w	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:
If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample.
If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 15-10032
Project: Locher Road Water Quality

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Rd
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22852
Field ID: GW-71
Date Collected: 5/20/15 11:50
Date Received: 5/21/15
Date Analyzed: 5/22/15 12:37
Report Date: 6/18/15
Comment:
Approved By: bj,clc

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Satisfactory, Coliforms Absent	per 100mL	jmm	SM9223 B	M_150521V	
3	E. COLI	Absent	per 100mL		SM9223 B	M_150521V	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 15-10032
Project: Locher Road Water Quality

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Locher Rd
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22853
Field ID: GW-72
Date Collected: 5/20/15 11:15
Date Received: 5/21/15
Date Analyzed: 5/22/15 12:37
Report Date: 6/18/15
Comment:
Approved By: bj,clc

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
1	TOTAL COLIFORM	Satisfactory, Coliforms Absent	per 100mL	jmm	SM9223 B	M_150521V	
3	E. COLI	Absent	per 100mL		SM9223 B	M_150521V	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:
If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-150528B	2 CALCIUM	10.6	11	mg/L	200.7	96	90-110	CAL	
	2 IRON	1.03	1	mg/L	200.7	103	90-110	CAL	
	2 MANGANESE	1	1	mg/L	200.7	100	90-110	CAL	
200.8_150528WV	0 BARIUM	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	0 CADMIUM	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	0 CHROMIUM	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 COPPER	0.00095	0.001	mg/L	200.8	95	80-120	CAL	
	0 LEAD	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 SELENIUM	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	0 SILVER	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 ZINC	0.00105	0.001	mg/L	200.8	105	80-120	CAL	
I150521A	0 CHLORIDE	1.02	1	mg/L	300.0	102	90-110	CAL	
	0 FLUORIDE	0.94	1	mg/L	300.0	94	90-110	CAL	
	0 NITRATE-N	1.01	1	mg/L	300.0	101	90-110	CAL	
	0 SULFATE	1.98	2	mg/L	300.0	99	90-110	CAL	
TPHOS-150529	0 TOTAL PHOSPHORUS	0.107	0.100	mg/L	SM4500-P F	107	85-115	CAL	
TURB_150521	0 TURBIDITY	10.3	10.0	NTU	180.1	103	80-120	CAL	
	1 TURBIDITY	10.1	10.0	NTU	180.1	101	80-120	CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-150528B	0 CALCIUM	24.8	26	mg/L	200.7	95	85-115	LFB	
	0 IRON	1	1	mg/L	200.7	100	85-115	LFB	
	0 MANGANESE	0.95	1	mg/L	200.7	95	85-115	LFB	
200.8_150528WV	0 BARIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 CHROMIUM	0.039	0.040	mg/L	200.8	98	85-115	LFB	
	0 COPPER	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 LEAD	0.039	0.040	mg/L	200.8	98	85-115	LFB	
	0 SELENIUM	0.037	0.040	mg/L	200.8	93	85-115	LFB	
	0 SILVER	0.019	0.020	mg/L	200.8	95	85-115	LFB	
	0 ZINC	0.040	0.040	mg/L	200.8	100	85-115	LFB	
7470A_150528	0 MERCURY	0.00163	0.00167	mg/L	7470A	98	70-130	LFB	
8151W_150527	0 2,4 - D	4.8	4.44	ug/L	8151A	108	60-120	LFB	
	0 2,4 DB	13.2	17.8	ug/L	8151A	74	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	2.6	2.22	ug/L	8151A	117	68-122	LFB	
	0 2,4,5 T	2.5	2.22	ug/L	8151A	113	62-128	LFB	
	0 ACIFLUORFEN	1.7	2.22	ug/L	8151A	77	65-125	LFB	
	0 BENTAZON	5.1	4.44	ug/L	8151A	115	67-121	LFB	
	0 DALAPON	28.5	28.9	ug/L	8151A	99	53-142	LFB	
	0 DICAMBA	2.4	2.22	ug/L	8151A	108	66-126	LFB	
	0 DICHLORPROP	7.3	6.66	ug/L	8151A	110	63-123	LFB	
	0 DINOSEB	3.2	4.44	ug/L	8151A	72	73-127	LFB	
	0 MCPA	2.5	2.22	ug/L	8151A	113	49-121	LFB	
	0 MCPP	2.4	2.22	ug/L	8151A	108	48-126	LFB	
	0 PENTACHLOROPHENOL	2.4	2.22	ug/L	8151A	108	69-123	LFB	
	0 PICLORAM	2.4	2.22	ug/L	8151A	108	48-114	LFB	
	0 TOTAL DCPA	2.5	2.22	ug/L	8151A	113	48-168	LFB	
	0 TRICLOPYR	2.5	2.22	ug/L	8151A	113	70-130	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True		Method	%	Recovery	Limits*	QC		Comment
			Value	Units					Qualifier	Type	
8260W_150522	0 1,1 - DICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120			LFB	
	0 1,1 - DICHLOROETHYLENE	4.2	4	ug/L	8260B	105	80-120			LFB	
	0 1,1 - DICHLOROPROPENE	3.9	4	ug/L	8260B	98	80-120			LFB	
	0 1,1,1 - TRICHLOROETHANE	4.0	4	ug/L	8260B	100	80-120			LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	3.3	4	ug/L	8260B	83	80-120			LFB	
	0 1,1,2 - TRICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120			LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	3.2	4	ug/L	8260B	80	80-120			LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	3.5	4	ug/L	8260B	88	80-120			LFB	
	0 1,2 - DICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120			LFB	
	0 1,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120			LFB	
	0 1,2,3 - TRICHLOROBENZENE	3.4	4	ug/L	8260B	85	80-120			LFB	
	0 1,2,3 - TRICHLOROPROPANE	3.4	4	ug/L	8260B	85	80-120			LFB	
	0 1,2,4 - TRICHLOROBENZENE	3.5	4	ug/L	8260B	88	80-120			LFB	
	0 1,2,4 - TRIMETHYLBENZENE	3.5	4	ug/L	8260B	88	80-120			LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	3.3	4	ug/L	8260B	83	80-120	LE		LFB	
	0 1,3 - DICHLOROBENZENE (meta)	3.5	4	ug/L	8260B	88	80-120			LFB	
	0 1,3 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120			LFB	
	0 1,3,5 - TRIMETHYLBENZENE	3.6	4	ug/L	8260B	90	80-120			LFB	
	0 1,4 - DICHLOROBENZENE (para)	3.5	4	ug/L	8260B	88	80-120			LFB	
	0 2,2 - DICHLOROPROPANE	4.7	4	ug/L	8260B	118	80-120	AH		LFB	
	0 BENZENE	4.0	4	ug/L	8260B	100	80-120			LFB	
	0 BROMOBENZENE	3.3	4	ug/L	8260B	83	80-120			LFB	
	0 BROMOCHLOROMETHANE	4.5	4	ug/L	8260B	113	80-120			LFB	
	0 BROMODICHLOROMETHANE	3.6	4	ug/L	8260B	90	80-120			LFB	
	0 BROMOFORM	3.6	4	ug/L	8260B	90	80-120			LFB	
	0 BROMOMETHANE	4.8	4	ug/L	8260B	120	80-120			LFB	
	0 CARBON TETRACHLORIDE	3.9	4	ug/L	8260B	98	80-120			LFB	
	0 CHLOROBENZENE	3.4	4	ug/L	8260B	85	80-120			LFB	
	0 CHLOROETHANE	4.1	4	ug/L	8260B	103	80-120			LFB	
	0 CHLOROFORM	4.0	4	ug/L	8260B	100	80-120			LFB	
	0 CHLOROMETHANE	3.3	4	ug/L	8260B	83	80-120			LFB	
	0 CIS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120			LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
8260W_150522	0 CIS - 1,3 - DICHLOROPROPENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 DIBROMOCHLOROMETHANE	3.2	4	ug/L	8260B	80	80-120	LFB	
	0 DIBROMOMETHANE	4.2	4	ug/L	8260B	105	80-120	LFB	
	0 DICHLORODIFLUOROMETHANE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 ETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120	LFB	
	0 HEXACHLOROBUTADIENE	3.2	4	ug/L	8260B	80	80-120	LFB	
	0 ISOPROPYLBENZENE	3.2	4	ug/L	8260B	80	80-120	LFB	
	0 M,P- XYLENE	6.6	8	ug/L	8260B	83	80-120	LFB	
	0 METHYL TERT-BUTYL ETHER	4.4	4	ug/L	8260B	110	80-120	LFB	
	0 METHYLENE CHLORIDE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 N - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 N - PROPYLBENZENE	3.6	4	ug/L	8260B	90	80-120	LFB	
	0 NAPHTHALENE	3.7	4	ug/L	8260B	93	80-120	LFB	
	0 O - CHLOROTOLUENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 O - XYLENE	3.3	4	ug/L	8260B	83	80-120	LFB	
	0 P - CHLOROTOLUENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 P - ISOPROPYLTOLUENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 SEC - BUTYLBENZENE	3.3	4	ug/L	8260B	83	80-120	LFB	
	0 STYRENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 TERT - BUTYLBENZENE	3.6	4	ug/L	8260B	90	80-120	LFB	
	0 TETRACHLOROETHYLENE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 TOLUENE	3.8	4	ug/L	8260B	95	80-120	LFB	
	0 TRANS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120	LFB	
	0 TRANS - 1,3 - DICHLOROPROPENE	3.3	4	ug/L	8260B	83	80-120	LFB	
	0 TRICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120	LFB	
	0 TRICHLOROFLUOROMETHANE	4.3	4	ug/L	8260B	108	80-120	LFB	
	0 VINYL CHLORIDE	3.4	4	ug/L	8260B	85	80-120	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
200.7-150528B	0 CALCIUM	ND		mg/L	200.7		0-0	LRB		
	0 IRON	ND		mg/L	200.7		0-0	LRB		
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB		
200.8_150528WV	0 BARIUM	ND		mg/L	200.8		0-0	LRB		
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB		
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB		
	0 COPPER	ND		mg/L	200.8		0-0	LRB		
	0 LEAD	ND		mg/L	200.8		0-0	LRB		
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB		
	0 SILVER	ND		mg/L	200.8		0-0	LRB		
	0 ZINC	ND		mg/L	200.8		0-0	LRB		
310.2_150521	0 ALKALINITY	ND		mg CaCO3/l	310.2		0-1	LRB		
7470A_150528	0 MERCURY	ND		mg/L	7470A		0-0	LRB		
I150521A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB		
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB		
	0 NITRATE-N	ND		mg/L	300.0		0-0	LRB		
	0 SULFATE	ND		mg/L	300.0		0-0	LRB		
TPHOS-150529	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7-150528B	0 CALCIUM	ND		mg/L	200.7		0-0		MB	
	0 IRON	0.02		mg/L	200.7		0-0		MB	Instrument Carryover
	0 MANGANESE	ND		mg/L	200.7		0-0		MB	
200.8_150528VV	0 BARIUM	ND		mg/L	200.8		0-0		MB	
	0 CADMIUM	ND		mg/L	200.8		0-0		MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		MB	
	0 COPPER	ND		mg/L	200.8		0-0		MB	
	0 LEAD	ND		mg/L	200.8		0-0		MB	
	0 SELENIUM	ND		mg/L	200.8		0-0		MB	
	0 SILVER	ND		mg/L	200.8		0-0		MB	
	0 ZINC	ND		mg/L	200.8		0-0		MB	
310.2_150521	0 ALKALINITY	ND		mg CaCO3/l	310.2		0-1		MB	
8151W_150527	0 2,4 - D	ND		ug/L	8151A		0-0		MB	
	0 2,4 DB	ND		ug/L	8151A		0-0		MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0		MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0		MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0		MB	
	0 BENTAZON	ND		ug/L	8151A		0-0		MB	
	0 DALAPON	ND		ug/L	8151A		0-0		MB	
	0 DICAMBA	ND		ug/L	8151A		0-0		MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0		MB	
	0 DINOSEB	ND		ug/L	8151A		0-0		MB	
	0 MCPA	ND		ug/L	8151A		0-0		MB	
	0 MCPP	ND		ug/L	8151A		0-0		MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0		MB	
	0 PICLORAM	ND		ug/L	8151A		0-0		MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0		MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150522	0 1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0	MB	
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0	MB	
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0	MB	
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 BENZENE	ND		ug/L	8260B		0-0	MB	
	0 BROMOBENZENE	ND		ug/L	8260B		0-0	MB	
	0 BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 BROMOFORM	ND		ug/L	8260B		0-0	MB	
	0 BROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	0 CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0	MB	
	0 CHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	0 CHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 CHLOROFORM	ND		ug/L	8260B		0-0	MB	
	0 CHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
8260W_150522	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB		
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB		
	0 DIBROMOMETHANE	ND		ug/L	8260B		0-0	MB		
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0	MB		
	0 ETHYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0	MB		
	0 ISOPROPYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 M,P- XYLENE	ND		ug/L	8260B		0-0	MB		
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0	MB		
	0 METHYLENE CHLORIDE	ND		ug/L	8260B		0-0	MB		
	0 N - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 N - PROPYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 NAPHTHALENE	ND		ug/L	8260B		0-0	MB		
	0 O - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB		
	0 O - XYLENE	ND		ug/L	8260B		0-0	MB		
	0 P - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB		
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0-0	MB		
	0 SEC - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 STYRENE	ND		ug/L	8260B		0-0	MB		
	0 TERT - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 TETRACHLOROETHYLENE	ND		ug/L	8260B		0-0	MB		
	0 TOLUENE	ND		ug/L	8260B		0-0	MB		
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB		
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB		
	0 TRICHLOROETHENE	ND		ug/L	8260B		0-0	MB		
	0 TRICHLOROFLUOROMETHANE	ND		ug/L	8260B		0-0	MB		
	0 VINYL CHLORIDE	ND		ug/L	8260B		0-0	MB		
	1 1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150522	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2 - DICHLOROETHANE (ortho)	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2 - DICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2,3 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2,4 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,3 - DICHLOROETHANE (meta)	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1,4 - DICHLOROETHANE (para)	ND		ug/L	8260B	0-0		MB	TB 15-09162
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	BENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	BROMOBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	BROMOCHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	BROMODICHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	BROMOFORM	ND		ug/L	8260B	0-0		MB	TB 15-09162
	BROMOMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	CARBON TETRACHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	CHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	CHLOROFORM	ND		ug/L	8260B	0-0		MB	TB 15-09162
	CHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	DIBROMOMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	ETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150522	1 HEXACHLOROBUTADIENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 ISOPROPYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 M,P- XYLENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 METHYLENE CHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 N - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 N - PROPYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 NAPHTHALENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 O - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 O - XYLENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 P - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 SEC - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 STYRENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TERT - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TETRACHLOROETHYLENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TRICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
1 TRICHLOROFUOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162	
1 VINYL CHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-09162	
TDS_150522	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0-3		MB	
	1 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0-3		MB	
TPHOS-150529	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0-0		MB	
TURB_150521	0 TURBIDITY	ND		NTU	180.1	0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-150528B	0 IRON	2.03	2	mg/L	200.7	102	95-105	QCS	
	0 MANGANESE	2.03	2	mg/L	200.7	102	95-105	QCS	
	1 CALCIUM	19.9	20	mg/L	200.7	100	95-105	QCS	
200.8_150528WV	0 BARIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CHROMIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 COPPER	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 LEAD	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 SELENIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SILVER	0.019	0.020	mg/L	200.8	95	90-110	QCS	
	0 ZINC	0.041	0.040	mg/L	200.8	103	90-110	QCS	
310.2_150521	0 ALKALINITY	99.6	100	mg CaCO3/l	310.2	100	85-115	QCS	
7470A_150528	0 MERCURY	0.00176	0.00185	mg/L	7470A	95	90-110	QCS	
COLOR_150521	0 COLOR	10	10	CU	SM2120 B	100	0-10	QCS	
I150521A	0 CHLORIDE	5.98	6	mg/L	300.0	100	90-110	QCS	
	0 FLUORIDE	3.84	4	mg/L	300.0	96	90-110	QCS	
	0 NITRATE-N	5.74	6	mg/L	300.0	96	90-110	QCS	
	0 SULFATE	30	30	mg/L	300.0	100	90-110	QCS	
PH_150521	0 HYDROGEN ION (pH)	7.95	8.00	pH Units	SM4500-H+ B	99	80-120	QCS	
	1 HYDROGEN ION (pH)	8.05	8.00	pH Units	SM4500-H+ B	101	80-120	QCS	
TDS_150522	0 TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	80-120	QCS	
	1 TOTAL DISSOLVED SOLIDS (TDS)	484	500	mg/L	SM2540 C	97	80-120	QCS	
TPHOS-150529	0 TOTAL PHOSPHORUS	0.034	0.036	mg/L	SM4500-P F	94	90-110	QCS	
TURB_150521	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **15-10032**

Report Date: 06/18/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
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*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
Duplicate											
200.7-150528B											
	22852	IRON	0.11	0.11		mg/L	0.0	0-20			DUP
	22852	MANGANESE	0.0036	0.003		mg/L	18.2	0-20			DUP
	22852	CALCIUM	26.3	26.1		mg/L	0.8	0-20			DUP
	23452	CALCIUM	15.5	15.0		mg/L	3.3	0-20			DUP
	23452	IRON	0.97	0.93		mg/L	4.2	0-20			DUP
	23452	MANGANESE	0.097	0.097		mg/L	0.0	0-20			DUP
200.8_150528WW											
	22852	BARIUM	0.037	0.038		mg/L	2.7	0-20			DUP
	22852	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	22852	CHROMIUM	ND	ND		mg/L	NA	0-20			DUP
	22852	LEAD	ND	ND		mg/L	NA	0-20			DUP
	22852	SELENIUM	0.00023	0.0002		mg/L	14.0	0-20			DUP
	22852	SILVER	ND	ND		mg/L	NA	0-20			DUP
	23479	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	23479	CHROMIUM	0.0009	0.001		mg/L	10.5	0-20			DUP
	23479	LEAD	0.00034	0.0004		mg/L	16.2	0-20			DUP
	23479	SELENIUM	0.0008	0.0008		mg/L	0.0	0-20			DUP
	23479	SILVER	ND	ND		mg/L	NA	0-20			DUP
310.2_150521											
	22155	BICARBONATE	60.2	60.6		mg CaCO3/l	0.7	0-20			DUP
	22155	ALKALINITY	60.2	60.6		mg CaCO3/l	0.7	0-20			DUP
	22853	BICARBONATE	61.7	61.6		mg CaCO3/l	0.2	0-20			DUP
	22853	ALKALINITY	61.7	61.6		mg CaCO3/l	0.2	0-20			DUP
7470A_150528											

%RPD = Relative Percent Difference

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Batch	Sample	Analyte	Result	Duplicate			Units	%RPD	Limits	QC		
				Result	Result	Result				Qualifier	Type	Comments
	22155	MERCURY	ND	ND			mg/L	NA	0-45		DUP	
	22967	MERCURY	ND	0.00167	0.00169	0.00167	mg/L	NA	0-45		DUP	
	22976	MERCURY	ND	ND			mg/L	NA	0-45		DUP	
I150521A												
	22774	CHLORIDE	2.6	2.6			mg/L	0.0	0-20		DUP	
	22774	FLUORIDE	0.27	0.26			mg/L	3.8	0-20		DUP	
	22774	NITRATE-N	ND	ND			mg/L	NA	0-20		DUP	
	22852	CHLORIDE	5.3	5.4			mg/L	1.9	0-20		DUP	
	22852	SULFATE	14.2	14.2			mg/L	0.0	0-20		DUP	
	22852	FLUORIDE	ND	ND			mg/L	NA	0-20		DUP	
	22852	NITRATE-N	6.66	6.67			mg/L	0.2	0-20		DUP	
	22942	FLUORIDE	ND	ND			mg/L	NA	0-20		DUP	
	22942	NITRATE-N	5.65	5.67			mg/L	0.4	0-20		DUP	
	22995	CHLORIDE	15	14.9			mg/L	0.7	0-20		DUP	
	22995	NITRATE-N	ND	ND			mg/L	NA	0-20		DUP	
PH_150521												
	22774	HYDROGEN ION (pH)	8.27	8.27			pH Units	0.0	0-45		DUP	
	22920	HYDROGEN ION (pH)	7.92	7.94			pH Units	0.3	0-45		DUP	
TDS_150522												
	22856	TOTAL DISSOLVED SOLIDS (TDS)	177	176			mg/L	0.6	0-10		DUP	
TPHOS-150529												
	22850	TOTAL PHOSPHORUS	0.084	0.084			mg/L	0.0	0-20		DUP	
	23400	TOTAL PHOSPHORUS	0.012	0.013			mg/L	8.0	0-20		DUP	
	23452	TOTAL PHOSPHORUS	2.94	2.42			mg/L	19.4	0-20		DUP	
TURB_150521												
	22853	TURBIDITY	0.33	0.32			NTU	3.1	0-20		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7-150528B															
	22852	IRON	0.11	0.13		0.050	mg/L	40		70-130	NA	0-20	INH	LFM	
	22852	MANGANESE	0.0036	0.051		0.050	mg/L	95		70-130	NA	0-20		LFM	
	23452	CALCIUM	15.5	39.2		26.0	mg/L	91		70-130	NA	0-20		LFM	
	23452	IRON	0.97	1.88		1.00	mg/L	91		70-130	NA	0-20		LFM	
	23452	MANGANESE	0.097	1.020		1.00	mg/L	92		70-130	NA	0-20		LFM	
200.8_150528WW															
	22852	BARIUM	0.037	0.093		0.050	mg/L	112		70-130	NA	0-20		LFM	
	22852	CADMIUM	ND	0.056		0.050	mg/L	112		70-130	NA	0-20		LFM	
	22852	CHROMIUM	ND	0.050		0.050	mg/L	100		70-130	NA	0-20		LFM	
	22852	LEAD	ND	0.053		0.050	mg/L	106		70-130	NA	0-20		LFM	
	22852	SELENIUM	0.00023	0.050		0.050	mg/L	100		70-130	NA	0-20		LFM	
	22852	SILVER	ND	0.026		0.025	mg/L	104		70-130	NA	0-20		LFM	
	23479	CADMIUM	ND	0.053		0.050	mg/L	106		70-130	NA	0-20		LFM	
	23479	CHROMIUM	0.0009	0.051		0.050	mg/L	100		70-130	NA	0-20		LFM	
	23479	LEAD	0.00034	0.052		0.050	mg/L	103		70-130	NA	0-20		LFM	
	23479	SELENIUM	0.0008	0.051		0.050	mg/L	100		70-130	NA	0-20		LFM	
	23479	SILVER	ND	0.025		0.025	mg/L	100		70-130	NA	0-20		LFM	
310.2_150521															
	22155	BICARBONATE	60.2	324	324	250	mg CaCO3/106	106		70-130	0.0	0-20		LFM	
	22155	ALKALINITY	60.2	324	324	250	mg CaCO3/106	106		70-130	0.0	0-20		LFM	
	22853	BICARBONATE	61.7	327	324	250	mg CaCO3/106	105		70-130	1.1	0-20		LFM	
	22853	ALKALINITY	61.7	327	324	250	mg CaCO3/106	105		70-130	1.1	0-20		LFM	
7470A_150528															
	22155	MERCURY	ND	0.00164	0.00163	0.00167	mg/L	98	98	70-130	0.6	0-20		LFM	
	22976	MERCURY	ND	0.00169		0.00167	mg/L	101		70-130	NA	0-20		LFM	
8151W_150527															
	22850	2,4 - D	ND	8.6	6.7	8	ug/L	108	84	60-120	24.8	0-20		LFM	
	22850	2,4 DB	ND	26.9	5.7	32	ug/L	84	18	49-134	130.1	0-20		LFM	
	22850	2,4,5 - TP (SILVEX)	ND	4.4	3.8	4	ug/L	110	95	68-122	14.6	0-20		LFM	
	22850	2,4,5 T	ND	4.4	3.7	4	ug/L	110	93	62-128	17.3	0-20		LFM	
	22850	ACIFLUORFEN	ND	3.4	3.2	4	ug/L	85	80	65-125	6.1	0-20		LFM	
	22850	BENTAZON	ND	8.9	8.4	8	ug/L	111	105	67-121	5.8	0-20		LFM	

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Batch	Sample	Analyte	Result	Duplicate			Units	Percent Recovery			Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result	Spike Conc		MS	MSD	Qualifier				Type		
	22850	DALAPON	ND	48.6	43.7	52	ug/L	93	84	53-421	10.6	0-20			LFM	
	22850	DICAMBA	ND	4.2	3.6	4	ug/L	105	90	66-126	15.4	0-20			LFM	
	22850	DICHLORPROP	ND	12.9	9.7	12	ug/L	108	81	63-123	28.3	0-20			LFM	
	22850	DINOSEB	ND	7	6.5	8	ug/L	88	81	73-127	7.4	0-20			LFM	
	22850	MCPA	ND	4.1	3.1	4	ug/L	103	78	49-121	27.8	0-20			LFM	
	22850	MCPP	ND	4.1	2.6	4	ug/L	103	65	48-126	44.8	0-20			LFM	
	22850	PENTACHLOROPHENOL	ND	4.1	3.9	4	ug/L	103	98	69-123	5.0	0-20			LFM	
	22850	PICLORAM	ND	4.1	3.4	4	ug/L	103	85	48-114	18.7	0-20			LFM	
	22850	TOTAL DCPA	ND	5.1	4.5	4	ug/L	128	113	48-168	12.5	0-20			LFM	
	22850	TRICLOPYR	ND	4	3.2	4	ug/L	100	80	70-130	22.2	0-20			LFM	
8260W_150522																
	22155	1,1 - DICHLOROETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20			LFM	
	22155	1,1 - DICHLOROETHYLENE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-20			LFM	
	22155	1,1 - DICHLOROPROPENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20			LFM	
	22155	1,1,1 - TRICHLOROETHANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM	
	22155	1,1,1,2 - TETRACHLOROETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM	
	22155	1,1,2 - TRICHLOROETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20			LFM	
	22155	1,1,2,2 - TETRACHLOROETHANE	ND	2.9		4	ug/L	73	NA	70-130	NA	0-20			LFM	
	22155	1,2 - DICHLOROBENZENE (ortho)	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM	
	22155	1,2 - DICHLOROETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20			LFM	
	22155	1,2 - DICHLOROPROPANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20			LFM	
	22155	1,2,3 - TRICHLOROBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM	
	22155	1,2,3 - TRICHLOROPROPANE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM	
	22155	1,2,4 - TRICHLOROBENZENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM	
	22155	1,2,4 - TRIMETHYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM	
	22155	1,2-DIBROMO-3-CHLOROPROPANE	ND	2.8		4	ug/L	70	NA	70-130	NA	0-20			LFM	
	22155	1,3 - DICHLOROBENZENE (meta)	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM	
	22155	1,3 - DICHLOROPROPANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20			LFM	
	22155	1,3,5 - TRIMETHYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM	
	22155	1,4 - DICHLOROBENZENE (para)	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM	
	22155	2,2 - DICHLOROPROPANE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20			LFM	
	22155	BENZENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20			LFM	
	22155	BROMOBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM	
	22155	BROMOCHLOROMETHANE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-20			LFM	

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22155	BROMODICHLOROMETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	22155	BROMOFORM	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	22155	BROMOMETHANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20			LFM
	22155	CARBON TETRACHLORIDE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM
	22155	CHLOROETHANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM
	22155	CHLOROETHANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM
	22155	CHLOROETHANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM
	22155	CHLOROMETHANE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20			LFM
	22155	CIS - 1,2 - DICHLOROETHENE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20			LFM
	22155	CIS - 1,3 - DICHLOROPROPENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	DIBROMOCHLOROMETHANE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	22155	DIBROMOMETHANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM
	22155	DICHLORODIFLUOROMETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20			LFM
	22155	ETHYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	HEXACHLOROBUTADIENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	ISOPROPYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	M,P- XYLENE	ND	6.8		8	ug/L	85	NA	70-130	NA	0-20			LFM
	22155	METHYL TERT-BUTYL ETHER	ND	3.8		4	ug/L	95	NA	70-130	NA	0-20			LFM
	22155	METHYLENE CHLORIDE	ND	3.8		4	ug/L	95	NA	70-130	NA	0-20			LFM
	22155	N - BUTYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22155	N - PROPYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22155	NAPHTHALENE	ND	2.8		4	ug/L	70	NA	70-130	NA	0-20			LFM
	22155	O - CHLOROTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	O - XYLENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	P - CHLOROTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	P - ISOPROPYLTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22155	SEC - BUTYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22155	STYRENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	22155	TERT - BUTYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22155	TETRACHLOROETHYLENE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-20			LFM
	22155	TOLUENE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20			LFM
	22155	TRANS - 1,2 - DICHLOROETHENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20			LFM
	22155	TRANS - 1,3 - DICHLOROPROPENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	22155	TRICHLOROETHENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20			LFM

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22155	TRICHLOROFUOROMETHANE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-20			LFM
	22155	VINYL CHLORIDE	ND	4.6		4	ug/L	115	NA	70-130	NA	0-20			LFM
I150521A															
	22774	CHLORIDE	2.6	3.5		1	mg/L	90	NA	90-110	NA	0-20			LFM
	22774	FLUORIDE	0.27	1.18		1	mg/L	91	NA	90-110	NA	0-20			LFM
	22774	NITRATE-N	ND	0.98		1	mg/L	98	NA	90-110	NA	0-20			LFM
	22852	CHLORIDE	5.3	6.2		1	mg/L	90	NA	90-110	NA	0-20			LFM
	22852	SULFATE	14.2	15.9		2	mg/L	85	NA	90-110	NA	0-20	IS		LFM
	22852	FLUORIDE	ND	1.08		1	mg/L	108	NA	90-110	NA	0-20			LFM
	22852	NITRATE-N	6.66	7.53		1	mg/L	87	NA	90-110	NA	0-20	IS		LFM
	22942	FLUORIDE	ND	0.97		1	mg/L	97	NA	90-110	NA	0-20			LFM
	22942	NITRATE-N	5.65	6.56		1	mg/L	91	NA	90-110	NA	0-20			LFM
	22995	CHLORIDE	15	15.6		1	mg/L	60	NA	90-110	NA	0-20	IS		LFM
	22995	NITRATE-N	ND	1.05		1	mg/L	105	NA	90-110	NA	0-20			LFM
TPHOS-150529															
	22850	TOTAL PHOSPHORUS	0.084	0.131	0.127	0.050	mg/L	94	86	70-130	8.9	0-20			LFM
	23400	TOTAL PHOSPHORUS	0.012	0.064	0.063	0.050	mg/L	104	102	70-130	1.9	0-20			LFM
	23452	TOTAL PHOSPHORUS	2.94	2.31	2.49	0.050	mg/L	-1,260	-900	70-130	33.3	0-20	IS		LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 15-10032

Report Date: 06/18/15

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
N1	See case narrative.
S7	Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

25837



ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Wabur St. Burlington, VA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to:	Address:	City:	State:	Zip:
Ship Address: 810 S Main Street			Milton-Freewe St.	OR	97862
City: Milton-Freewe St.	City:	Phone:	FAX:		
Attn: Steven Patten	Phone:	541.938-2170	FAX: 541.938-2170		
Phone: 541.938-2170	P.O.#:		Attn:		
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa	<input type="checkbox"/> M/C	<input type="checkbox"/> A/E	Expires	/
Project: Locher Road Water Quality	Card#:				
	Ref #	For Lab Use Only			
	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act			
		<input type="checkbox"/> Clean Water Act			
		<input type="checkbox"/> RCRA / CERCLA			
		<input type="checkbox"/> Other			

- Instructions**
1. Use one line per sample Location.
 2. Be specific in analysis requests.
 3. (NEW) List each metal individually (NEW)
 4. Check off analyses to be performed for each sample Location.
 5. Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	SM9223B (GROUND WATER)	SM9223B.2b (SURFACE WATER)	Total Phosphorus	TRIP BLANK (8260)	Number of Containers	Special Instructions Conditions on Receipt
1	ISMAKE		SW	5-20-15	10:50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		-0.1e TEMPS
2	GLU-70		GL3	5-20-15	10:35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1.0e for each
3	GLU-71		GLW	5-20-15	11:50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		-0.4e sample
4	GLU-72		GLW	5-20-15	11:15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		-0.3e -low
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
13						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
14						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
15						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
16						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
19						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
20						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
21						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
22						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
23						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
24						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
27						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
28						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
29						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Total Containers											

Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil
 S - soil Other _____

elinquished by: [Signature] Date: 5-20-15 Time: 13:00 Received by: [Signature] Date: 5-21-15 Time: 09:30

Custody seals intact Yes No N/A
 Sample temp 0.1 C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A

25837



EDGE ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, VA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour
 Ship Address: 810 S Main Street
 City: Milton-Freewe sr. OR Zip: 97862
 Attn: Steven Patten
 Phone: 541.938-2170 FAX:
 Email: steven.patten@wwbwc.org
 Project: Locher Road Water Quality

Bill to: Address: City: State: Zip:
 Phone: FAX: Attn:
 P.O.#:
 Visa M/C A/E Expires /
 Card#:

For Lab Use Only
 Ref #
 Check Regulatory Program
 Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8151	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	MBAS (Foaming Agents)	Nitrate as N, Turbidity, Corrosivity	Odor	Number of Containers
1	INTAKE		SW	5-20-15	10:50	X	X	X	X	X	X	X	X	
2	GLU-70		SW	5-20-15	10:35	X	X	X	X	X	X	X	X	
3	GLU-71		SW	5-20-15	11:50	X	X	X	X	X	X	X	X	
4	GLU-72		SW	5-20-15	11:15	X	X	X	X	X	X	X	X	
5														
6														
7														
8														
9														
10														
<p>Sampled by: <u>STEVEN PATTEN</u> Phone: <u>541-938-2170</u> FAX: <u>SAME</u> Email: <u>steven.patten@wwbwc.org</u></p> <p>Sample Receipt Request (Must include FAX or Email) <input checked="" type="checkbox"/> * W - water DW - drinking water SW - surface water GW - Ground water WW - Waste water OL - oil S - soil Other _____</p>														

CO025837
 15-10032
 Special Instructions
 Conditions on Receipt

Relinquished by: [Signature] Date: 5-20-15 Time: 13:00 Received by: WRB

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

STILLER POND 2015



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

January 9, 2015

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 14-24332 - Stiller Pond Site

Dear Mr. Steven Patten,

Your project: Stiller Pond Site, was received on Friday December 12, 2014.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Patrick Miller, MS
QA Officer

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **14-24332**
 Project: Stiller Pond Site

Report Date: 1/9/15

Date Received: 12/12/14
 Approved by: bj,dml,mvp,sps
 Authorized by:


 Patrick Miller, MS
 QA Officer

Sample Description: GW-136 - Stiller Pond										Sample Date: 12/11/14 11:15 am		
Lab Number: 55121		Sample Comment: groundwater					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	17.2	0.10		NTU	1.0	180.1	a	12/12/14	MMH	TURB_141212	
16887-00-6	CHLORIDE	27	0.1	0.0211	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
16984-48-8	FLUORIDE	0.18	0.1	0.0054	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14797-55-8	NITRATE-N	6.86	0.100	0.0114	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14808-79-8	SULFATE	28	0.2	0.0174	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
E-14506	ALKALINITY	190	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	BICARBONATE	190	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CORROSIVITY	-0.69			SI	1.0	SM203	a	12/29/14	mvp	COR_141229	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	12/12/14	MMH	COLOR_141212	pH:7.08 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	361	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	361	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10139	HYDROGEN ION (pH)	7.08			pH Units	1.0	SM4500-H+ B	a	12/12/14	MMH	PH_141212B	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A/1311	a	12/15/14	MMH	7470A_141215	
7440-70-2	CALCIUM	52.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-89-6	IRON	1.06	0.050	0.0012	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-96-5	MANGANESE	0.067	0.005	0.0002	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7440-39-3	BARIUM	0.085	0.001	0.00016	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-47-3	CHROMIUM	0.001	0.001	0.00011	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-50-8	COPPER	0.003	0.002	0.00028	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7439-92-1	LEAD	0.0007	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7782-49-2	SELENIUM	0.0005 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-66-6	ZINC	0.006	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

E. COLI	N	Y/N	per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W
TOTAL COLIFORM	A	P/A	per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W

Sample Description: GW-145 - Stiller Pond							Sample Date: 12/11/14 11:45 am			
Lab Number: 55122			Sample Comment: groundwater				Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	14.3	0.10		NTU	1.0	180.1	a	12/12/14	MMH	TURB_141212	
16887-00-6	CHLORIDE	23	0.1	0.0211	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
16984-48-8	FLUORIDE	0.22	0.1	0.0054	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14797-55-8	NITRATE-N	4.54	0.100	0.0114	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14808-79-8	SULFATE	25	0.2	0.0174	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
E-14506	ALKALINITY	192	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	BICARBONATE	192	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CORROSIVITY	-0.70			SI	1.0	SM203	a	12/29/14	mvp	COR_141229	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	12/12/14	MMH	COLOR_141212	pH:7.12 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	338	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	338	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10139	HYDROGEN ION (pH)	7.12			pH Units	1.0	SM4500-H+ B	a	12/12/14	MMH	PH_141212B	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A/1311	a	12/15/14	MMH	7470A_141215	
7440-70-2	CALCIUM	45.6	0.5	0.009	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-89-6	IRON	2.74	0.050	0.0012	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-96-5	MANGANESE	0.073	0.005	0.0002	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7440-39-3	BARIUM	0.074	0.001	0.00016	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-47-3	CHROMIUM	0.001	0.001	0.00011	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-50-8	COPPER	0.004	0.002	0.00028	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7439-92-1	LEAD	0.0008	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7782-49-2	SELENIUM	0.0005 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-66-6	ZINC	0.009	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W	

Sample Description: CW-146 - Stiller Pond							Sample Date: 12/11/14 12:05 pm			
Lab Number: 55123			Sample Comment: groundwater				Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	19.3	0.10		NTU	1.0	180.1	a	12/12/14	MMH	TURB_141212	
16887-00-6	CHLORIDE	41	0.1	0.0211	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
16984-48-8	FLUORIDE	0.23	0.1	0.0054	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

Data Report

14797-55-8	NITRATE-N	14	0.100	0.0114	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14808-79-8	SULFATE	47	0.2	0.0174	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
E-14506	ALKALINITY	245	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	BICARBONATE	245	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CORROSIVITY	-0.51			SI	1.0	SM203	a	12/29/14	mvp	COR_141229	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	12/12/14	MMH	COLOR_141212	pH:7.12 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	516	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	516	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10139	HYDROGEN ION (pH)	7.12			pH Units	1.0	SM4500-H+ B	a	12/12/14	MMH	PH_141212B	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A/1311	a	12/15/14	MMH	7470A_141215	
7440-70-2	CALCIUM	59.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-89-6	IRON	1.89	0.050	0.0012	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-96-5	MANGANESE	0.038	0.005	0.0002	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7440-39-3	BARIUM	0.097	0.001	0.00016	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-47-3	CHROMIUM	0.0015	0.001	0.00011	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-50-8	COPPER	0.0024	0.002	0.00028	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7439-92-1	LEAD	0.00052	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7782-49-2	SELENIUM	0.0008 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-66-6	ZINC	0.006	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W	

Sample Description: GW-147 - Stiller Pond	Sample Date: 12/11/14 12:55 pm
Lab Number: 55124	Sample Comment: groundwater
	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.69	0.10		NTU	1.0	180.1	a	12/12/14	MMH	TURB_141212	
16887-00-6	CHLORIDE	28	0.1	0.0211	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
16984-48-8	FLUORIDE	0.15	0.1	0.0054	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14797-55-8	NITRATE-N	5.22	0.100	0.0114	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14808-79-8	SULFATE	21	0.2	0.0174	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
E-14506	ALKALINITY	135	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	BICARBONATE	135	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CORROSIVITY	-0.97			SI	1.0	SM203	a	12/29/14	mvp	COR_141229	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	12/12/14	MMH	COLOR_141212	pH:7.07
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	292	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	292	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

Data Report

E-10139	HYDROGEN ION (pH)	7.07			pH Units	1.0	SM4500-H+ B	a	12/12/14	MMH	PH_141212B
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A/1311	a	12/15/14	MMH	7470A_141215
7440-70-2	CALCIUM	38.9	0.5	0.009	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A
7439-89-6	IRON	0.04 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A
7439-96-5	MANGANESE	0.001 J	0.005	0.0002	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A
7440-39-3	BARIUM	0.038	0.001	0.00016	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-47-3	CHROMIUM	0.0003 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-50-8	COPPER	0.0009 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7782-49-2	SELENIUM	0.0006 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-66-6	ZINC	0.0015 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	12/13/14	JMM	M_141212W

Sample Description: Intake - Stiller Pond	Sample Date: 12/11/14 12:25 pm
Lab Number: 55125	Sample Comment: Surface water
	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	2.19	0.10		NTU	1.0	180.1	a	12/12/14	MMH	TURB_141212	
16887-00-6	CHLORIDE	4.57	0.1	0.0211	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
16984-48-8	FLUORIDE	0.11	0.1	0.0054	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14797-55-8	NITRATE-N	1.08	0.100	0.0114	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
14808-79-8	SULFATE	2.72	0.2	0.0174	mg/L	1.0	300.0	a	12/12/14	SRF	I141212A	
E-14506	ALKALINITY	37.8	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	BICARBONATE	37.8	5.00		mg CaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	12/15/14	SPS	310.2_141215	
NA	CORROSIVITY	-2.04			SI	1.0	SM203	a	12/29/14	mvp	COR_141229	
E-11712	COLOR	13	5		Color Units	1.0	SM2120 B	a	12/12/14	MMH	COLOR_141212	pH:7.19 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	99	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	99	10		mg/L	1.0	SM2540 C	a	12/15/14	SRF	TDS_141215	
E-10139	HYDROGEN ION (pH)	7.19			pH Units	1.0	SM4500-H+ B	a	12/12/14	MMH	PH_141212B	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A/1311	a	12/15/14	MMH	7470A_141215	
7440-70-2	CALCIUM	8.3	0.5	0.009	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-89-6	IRON	0.24	0.050	0.0012	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7439-96-5	MANGANESE	0.003 J	0.005	0.0002	mg/L	1.0	200.7/3010A	a	12/15/14	BJ	200.7-141215A	
7440-39-3	BARIUM	0.012	0.001	0.00016	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7440-50-8	COPPER	0.0012 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW	

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D.F. - Dilution Factor

Data Report

7782-49-2	SELENIUM	0.0003 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
7440-66-6	ZINC	0.009	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	12/16/14	MVP	200.8_141216WW
	E. Coli	76.7 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	12/13/14	JMM	QT_141212w
	TOTAL COLIFORM	>2419.6 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	12/13/14	JMM	QT_141212w

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Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55125
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/18/15
Extraction Method: 3535

Report Date: 1/9/15
Date Analyzed: 12/29/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_141218
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.01	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.05	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.009	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55125
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/17/14
Extraction Method: 5030B

Report Date: 1/9/15
Date Analyzed: 12/17/14
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_141217
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.02	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.19	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.04	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.02	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.04	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.04	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.25	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.11	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
100-42-5	STYRENE	0.7		ug/L	0.4	0.4	0.04	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.12	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55124
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/18/15
Extraction Method: 3535

Report Date: 1/9/15
Date Analyzed: 12/29/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_141218
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.01	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.05	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.009	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55124
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/17/14
Extraction Method: 5030B

Report Date: 1/9/15
Date Analyzed: 12/17/14
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_141217
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.02	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.19	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.04	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.02	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.04	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.04	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.25	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.11	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.04	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.12	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55123
Field ID: CW-146
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/18/15
Extraction Method: 3535

Report Date: 1/9/15
Date Analyzed: 12/29/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_141218
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.01	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.05	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.009	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55123
Field ID: CW-146
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/17/14
Extraction Method: 5030B

Report Date: 1/9/15
Date Analyzed: 12/17/14
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_141217
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55122
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/18/15
Extraction Method: 3535

Report Date: 1/9/15
Date Analyzed: 12/29/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_141218
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.01	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.05	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.009	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55122
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/17/14
Extraction Method: 5030B

Report Date: 1/9/15
Date Analyzed: 12/17/14
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_141217
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.02	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.19	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.04	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.02	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.04	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.04	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.25	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.11	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.04	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.12	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55121
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/18/15
Extraction Method: 3535

Report Date: 1/9/15
Date Analyzed: 12/29/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_141218
Approved By: co,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.01	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.05	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.009	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **14-24332**
Project: Stiller Pond Site

Lab Number: 55121
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 12/11/14
Extraction Date: 12/17/14
Extraction Method: 5030B

Report Date: 1/9/15
Date Analyzed: 12/17/14
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_141217
Approved By: co,pdm

Authorized by:

Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.02	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.02	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.19	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.04	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.04	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.02	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.04	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.04	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.03	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.25	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.25	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.11	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.04	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.04	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.03	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.02	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.12	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-141215A	CALCIUM	10.8	11	mg/L	200.7	98	90-110	CAL	
	IRON	0.93	1	mg/L	200.7	93	90-110	CAL	
	MANGANESE	1	1	mg/L	200.7	100	90-110	CAL	
200.8_141216WW	BARIIUM	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	CADMIUM	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	CHROMIUM	0.00094	0.001	mg/L	200.8	94	80-120	CAL	
	COPPER	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	LEAD	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	SELENIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	SILVER	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	ZINC	0.0011	0.001	mg/L	200.8	110	80-120	CAL	
I141212A	CHLORIDE	0.99	1	mg/L	300.0	99	90-110	CAL	
	FLUORIDE	0.97	1	mg/L	300.0	97	90-110	CAL	
	NITRATE-N	1.00	1	mg/L	300.0	100	90-110	CAL	
	SULFATE	2.02	2	mg/L	300.0	101	90-110	CAL	
turb_141212	TURBIDITY	9.50	10.0	NTU	180.1	95	80-120	CAL	
	TURBIDITY	9.59	10.0	NTU	180.1	96	80-120	CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-141215A	CALCIUM	24.3	26	mg/L	200.7	93	85-115	LFB	
	IRON	0.89	1	mg/L	200.7	89	85-115	LFB	
	MANGANESE	0.93	1	mg/L	200.7	93	85-115	LFB	
200.8_141216WW	BARIUM	0.043	0.040	mg/L	200.8	108	85-115	LFB	
	CADMIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	CHROMIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	COPPER	0.042	0.040	mg/L	200.8	105	85-115	LFB	
	LEAD	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	SELENIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	SILVER	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	ZINC	0.043	0.040	mg/L	200.8	108	85-115	LFB	
7470A_141215	MERCURY	0.00159	0.00167	mg/L	7470A	95	70-130	LFB	
8081W_141218	4,4' - DDD	0.49	0.5	ug/L	8081A	98	70-130	LFB	
	4,4' - DDE	0.53	0.5	ug/L	8081A	106	70-130	LFB	
	4,4' - DDT	0.48	0.5	ug/L	8081A	96	70-130	LFB	
	ALDRIN	0.41	0.5	ug/L	8081A	82	70-130	LFB	
	ALPHA-CHLORDANE	1.1	1	ug/L	8081A	110	70-130	LFB	
	BHC, ALPHA -	0.45	0.5	ug/L	8081A	90	70-130	LFB	
	BHC, BETA -	0.46	0.5	ug/L	8081A	92	70-130	LFB	
	BHC, DELTA -	0.46	0.5	ug/L	8081A	92	70-130	LFB	
	DIELDRIN	0.46	0.5	ug/L	8081A	92	70-130	LFB	
	ENDOSULFAN I	1.1	1	ug/L	8081A	110	70-130	LFB	
	ENDOSULFAN II	0.51	0.5	ug/L	8081A	102	70-130	LFB	
	ENDOSULFAN SULFATE	0.49	0.5	ug/L	8081A	98	70-130	LFB	
	ENDRIN	0.54	0.5	ug/L	8081A	108	70-130	LFB	
	ENDRIN ALDEHYDE	0.42	0.5	ug/L	8081A	84	70-130	LFB	
	ENDRIN KETONE	0.47	0.5	ug/L	8081A	94	70-130	LFB	
	GAMMA-CHLORDANE	0.48	0.5	ug/L	8081A	96	70-130	LFB	
	HEPTACHLOR	0.49	0.5	ug/L	8081A	98	70-130	LFB	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8081W_141218	HEPTACHLOR EPOXIDE "B"	0.49	0.5	ug/L	8081A	98	70-130		LFB	
	LINDANE (BHC - GAMMA)	0.46	0.5	ug/L	8081A	92	70-130		LFB	
	METHOXYCHLOR	0.52	0.5	ug/L	8081A	104	70-130		LFB	
	TOXAPHENE	4.3	5	ug/L	8081A	86	70-130		LFB	
8260W_141217	1,1 - DICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120		LFB	
	1,1 - DICHLOROETHYLENE	3.2	4	ug/L	8260B	80	80-120		LFB	
	1,1 - DICHLOROPROPENE	3.4	4	ug/L	8260B	85	80-120		LFB	
	1,1,1 - TRICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120		LFB	
	1,1,1,2 - TETRACHLOROETHANE	3.5	4	ug/L	8260B	88	80-120		LFB	
	1,1,2 - TRICHLOROETHANE	3.4	4	ug/L	8260B	85	80-120		LFB	
	1,1,2,2 - TETRACHLOROETHANE	4.1	4	ug/L	8260B	103	80-120	LE	LFB	
	1,2 - DICHLOROBENZENE (ortho)	3.5	4	ug/L	8260B	88	80-120		LFB	
	1,2 - DICHLOROETHANE	3.5	4	ug/L	8260B	88	80-120		LFB	
	1,2 - DICHLOROPROPANE	3.7	4	ug/L	8260B	93	80-120		LFB	
	1,2,3 - TRICHLOROBENZENE	3.3	4	ug/L	8260B	83	80-120		LFB	
	1,2,3 - TRICHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120	LE	LFB	
	1,2,4 - TRICHLOROBENZENE	3.4	4	ug/L	8260B	85	80-120		LFB	
	1,2,4 - TRIMETHYLBENZENE	3.6	4	ug/L	8260B	90	80-120		LFB	
	1,2-DIBROMO-3-CHLOROPROPANE	4.2	4	ug/L	8260B	105	80-120	LE	LFB	
	1,3 - DICHLOROBENZENE (meta)	3.6	4	ug/L	8260B	90	80-120		LFB	
	1,3 - DICHLOROPROPANE	3.5	4	ug/L	8260B	88	80-120		LFB	
	1,3,5 - TRIMETHYLBENZENE	3.8	4	ug/L	8260B	95	80-120		LFB	
	1,4 - DICHLOROBENZENE (para)	3.8	4	ug/L	8260B	95	80-120		LFB	
	2,2 - DICHLOROPROPANE	4.2	4	ug/L	8260B	105	80-120	LE	LFB	
	BENZENE	3.5	4	ug/L	8260B	88	80-120		LFB	
	BROMOBENZENE	3.9	4	ug/L	8260B	98	80-120	LE	LFB	
	BROMOCHLOROMETHANE	3.8	4	ug/L	8260B	95	80-120		LFB	
	BROMODICHLOROMETHANE	3.6	4	ug/L	8260B	90	80-120		LFB	
	BROMOFORM	4.5	4	ug/L	8260B	113	80-120		LFB	
	BROMOMETHANE	3.5	4	ug/L	8260B	88	80-120		LFB	
	CARBON TETRACHLORIDE	3.5	4	ug/L	8260B	88	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_141217	CHLOROBENZENE	3.7	4	ug/L	8260B	93	80-120	LFB		
	CHLOROETHANE	3.5	4	ug/L	8260B	88	80-120	LFB		
	CHLOROFORM	3.5	4	ug/L	8260B	88	80-120	LFB		
	CHLOROMETHANE	3.2	4	ug/L	8260B	80	80-120	LFB		
	CIS - 1,2 - DICHLOROETHENE	3.6	4	ug/L	8260B	90	80-120	LFB		
	CIS - 1,3 - DICHLOROPROPENE	3.4	4	ug/L	8260B	85	80-120	LFB		
	DIBROMOCHLOROMETHANE	3.8	4	ug/L	8260B	95	80-120	LFB		
	DIBROMOMETHANE	3.5	4	ug/L	8260B	88	80-120	LFB		
	DICHLORODIFLUOROMETHANE	3.2	4	ug/L	8260B	80	80-120	LFB		
	ETHYLBENZENE	4.2	4	ug/L	8260B	105	80-120	LFB		
	HEXACHLOROBUTADIENE	3.3	4	ug/L	8260B	83	80-120	LFB		
	ISOPROPYLBENZENE	3.8	4	ug/L	8260B	95	80-120	LFB		
	M,P- XYLENE	8.1	8	ug/L	8260B	101	80-120	LFB		
	METHYL TERT-BUTYL ETHER	3.6	4	ug/L	8260B	90	80-120	LFB		
	METHYLENE CHLORIDE	3.7	4	ug/L	8260B	93	80-120	LFB		
	N - BUTYLBENZENE	3.3	4	ug/L	8260B	83	80-120	LFB		
	N - PROPYLBENZENE	3.9	4	ug/L	8260B	98	80-120	LFB		
	NAPHTHALENE	3.2	4	ug/L	8260B	80	80-120	LFB		
	O - CHLOROTOLUENE	3.8	4	ug/L	8260B	95	80-120	LFB		
	O - XYLENE	4.3	4	ug/L	8260B	108	80-120	LFB		
	P - CHLOROTOLUENE	3.9	4	ug/L	8260B	98	80-120	LFB		
	P - ISOPROPYLTOLUENE	3.6	4	ug/L	8260B	90	80-120	LFB		
	SEC - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120	LFB		
	STYRENE	4.3	4	ug/L	8260B	108	80-120	LFB		
	TERT - BUTYLBENZENE	3.6	4	ug/L	8260B	90	80-120	LFB		
	TETRACHLOROETHYLENE	3.6	4	ug/L	8260B	90	80-120	LFB		
	TOLUENE	3.4	4	ug/L	8260B	85	80-120	LFB		
	TRANS - 1,2 - DICHLOROETHENE	3.5	4	ug/L	8260B	88	80-120	LFB		
	TRANS - 1,3 - DICHLOROPROPENE	3.4	4	ug/L	8260B	85	80-120	LE	LFB	
	TRICHLOROETHENE	3.6	4	ug/L	8260B	90	80-120	LFB		
	TRICHLOROFLUOROMETHANE	3.5	4	ug/L	8260B	88	80-120	LFB		
	VINYL CHLORIDE	3.3	4	ug/L	8260B	83	80-120	LFB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
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*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
200.7-141215A	CALCIUM	ND		mg/L	200.7		0-0	LRB		
	IRON	ND		mg/L	200.7		0-0	LRB		
	MANGANESE	ND		mg/L	200.7		0-0	LRB		
200.8_141216WW	BARIUM	ND		mg/L	200.8		0-0	LRB		
	CADMIUM	ND		mg/L	200.8		0-0	LRB		
	CHROMIUM	ND		mg/L	200.8		0-0	LRB		
	COPPER	ND		mg/L	200.8		0-0	LRB		
	LEAD	ND		mg/L	200.8		0-0	LRB		
	SELENIUM	ND		mg/L	200.8		0-0	LRB		
	SILVER	ND		mg/L	200.8		0-0	LRB		
	ZINC	ND		mg/L	200.8		0-0	LRB		
310.2_141215	ALKALINITY	ND		mg CaCO3/l	310.2		0-1	LRB		
141212A	CHLORIDE	ND		mg/L	300.0		0-0	LRB		
	FLUORIDE	ND		mg/L	300.0		0-0	LRB		
	NITRATE-N	ND		mg/L	300.0		0-0	LRB		
	SULFATE	ND		mg/L	300.0		0-0	LRB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7-141215A	CALCIUM	ND		mg/L	200.7		0-0		MB	
	IRON	ND		mg/L	200.7		0-0		MB	
	MANGANESE	ND		mg/L	200.7		0-0		MB	
200.8_141216WW	BARIUM	ND		mg/L	200.8		0-0		MB	
	CADMIUM	ND		mg/L	200.8		0-0		MB	
	CHROMIUM	ND		mg/L	200.8		0-0		MB	
	COPPER	ND		mg/L	200.8		0-0		MB	
	LEAD	ND		mg/L	200.8		0-0		MB	
	SELENIUM	ND		mg/L	200.8		0-0		MB	
	SILVER	ND		mg/L	200.8		0-0		MB	
	ZINC	ND		mg/L	200.8		0-0		MB	
310.2_141215	ALKALINITY	ND		mg CaCO3/l	310.2		0-1		MB	
8081W_141218	4,4' - DDD	ND		ug/L	8081A		0-0		MB	
	4,4' - DDE	ND		ug/L	8081A		0-0		MB	
	4,4' - DDT	ND		ug/L	8081A		0-0		MB	
	ALDRIN	ND		ug/L	8081A		0-0		MB	
	ALPHA-CHLORDANE	ND		ug/L	8081A		0-0		MB	
	BHC, ALPHA -	ND		ug/L	8081A		0-0		MB	
	BHC, BETA -	ND		ug/L	8081A		0-0		MB	
	BHC, DELTA -	ND		ug/L	8081A		0-0		MB	
	DIELDRIN	ND		ug/L	8081A		0-0		MB	
	ENDOSULFAN I	ND		ug/L	8081A		0-0		MB	
	ENDOSULFAN II	ND		ug/L	8081A		0-0		MB	
	ENDOSULFAN SULFATE	ND		ug/L	8081A		0-0		MB	
	ENDRIN	ND		ug/L	8081A		0-0		MB	
	ENDRIN ALDEHYDE	ND		ug/L	8081A		0-0		MB	
	ENDRIN KETONE	ND		ug/L	8081A		0-0		MB	
	GAMMA-CHLORDANE	ND		ug/L	8081A		0-0		MB	
	HEPTACHLOR	ND		ug/L	8081A		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8081W_141218	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0-0	MB	
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0-0	MB	
	METHOXYCHLOR	ND		ug/L	8081A		0-0	MB	
	TOXAPHENE	ND		ug/L	8081A		0-0	MB	
8260W_141217	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0	MB	
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0	MB	
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	BENZENE	ND		ug/L	8260B		0-0	MB	
	BROMOBENZENE	ND		ug/L	8260B		0-0	MB	
	BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	BROMOFORM	ND		ug/L	8260B		0-0	MB	
	BROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_141217	CHLOROBENZENE	ND		ug/L	8260B	0-0		MB	
	CHLOROETHANE	ND		ug/L	8260B	0-0		MB	
	CHLOROFORM	ND		ug/L	8260B	0-0		MB	
	CHLOROMETHANE	ND		ug/L	8260B	0-0		MB	
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0-0		MB	
	DIBROMOMETHANE	ND		ug/L	8260B	0-0		MB	
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0-0		MB	
	ETHYLBENZENE	ND		ug/L	8260B	0-0		MB	
	HEXACHLOROBUTADIENE	ND		ug/L	8260B	0-0		MB	
	ISOPROPYLBENZENE	ND		ug/L	8260B	0-0		MB	
	M,P- XYLENE	ND		ug/L	8260B	0-0		MB	
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0-0		MB	
	METHYLENE CHLORIDE	ND		ug/L	8260B	0-0		MB	
	N - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	
	N - PROPYLBENZENE	ND		ug/L	8260B	0-0		MB	
	NAPHTHALENE	ND		ug/L	8260B	0-0		MB	
	O - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	
	O - XYLENE	ND		ug/L	8260B	0-0		MB	
	P - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0-0		MB	
	SEC - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	
	STYRENE	ND		ug/L	8260B	0-0		MB	
	TERT - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	
	TETRACHLOROETHYLENE	ND		ug/L	8260B	0-0		MB	
	TOLUENE	ND		ug/L	8260B	0-0		MB	
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	
	TRICHLOROETHENE	ND		ug/L	8260B	0-0		MB	
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B	0-0		MB	
	VINYL CHLORIDE	ND		ug/L	8260B	0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_141217	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0	MB	
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0	MB	
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	BENZENE	ND		ug/L	8260B		0-0	MB	
	BROMOBENZENE	ND		ug/L	8260B		0-0	MB	
	BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	BROMOFORM	ND		ug/L	8260B		0-0	MB	
	BROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0	MB	
	CHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	CHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	CHLOROFORM	ND		ug/L	8260B		0-0	MB	
	CHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_141217	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	DIBROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	
	ETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0	MB	
	ISOPROPYLBENZENE	ND		ug/L	8260B		0-0	MB	
	M,P- XYLENE	ND		ug/L	8260B		0-0	MB	
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0	MB	
	METHYLENE CHLORIDE	ND		ug/L	8260B		0-0	MB	
	N - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	N - PROPYLBENZENE	ND		ug/L	8260B		0-0	MB	
	NAPHTHALENE	ND		ug/L	8260B		0-0	MB	
	O - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	
	O - XYLENE	ND		ug/L	8260B		0-0	MB	
	P - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0-0	MB	
	SEC - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	STYRENE	ND		ug/L	8260B		0-0	MB	
	TERT - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	TETRACHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	TOLUENE	ND		ug/L	8260B		0-0	MB	
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	TRICHLOROETHENE	ND		ug/L	8260B		0-0	MB	
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	
VINYL CHLORIDE	ND		ug/L	8260B		0-0	MB		
TDS_141215	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Method Blank

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
turb_141212	TURBIDITY	ND		NTU	180.1		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **14-24332**

Report Date: 01/09/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-141215A	IRON	0.99	1	mg/L	200.7	99	95-105	QCS	
	MANGANESE	1	1	mg/L	200.7	100	95-105	QCS	
	CALCIUM	19.9	20	mg/L	200.7	100	95-105	QCS	
200.8_141216WW	BARIUM	0.038	0.040	mg/L	200.8	95	90-110	QCS	
	CADMIUM	0.038	0.040	mg/L	200.8	95	90-110	QCS	
	CHROMIUM	0.036	0.040	mg/L	200.8	90	90-110	QCS	
	COPPER	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	LEAD	0.036	0.040	mg/L	200.8	90	90-110	QCS	
	SELENIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	SILVER	0.036	0.040	mg/L	200.8	90	90-110	QCS	
	ZINC	0.039	0.040	mg/L	200.8	98	90-110	QCS	
310.2_141215	ALKALINITY	91.9	100	mg CaCO3/l	310.2	92	85-115	QCS	
7470A_141215	MERCURY	0.00188	0.00185	mg/L	7470A	102	90-110	QCS	
COLOR_141212	COLOR	10	10	CU	SM2120 B	100	0-10	QCS	
141212A	CHLORIDE	30	30	mg/L	300.0	100	90-110	QCS	
	FLUORIDE	2.47	2.5	mg/L	300.0	99	90-110	QCS	
	NITRATE-N	2.45	2.5	mg/L	300.0	98	90-110	QCS	
	SULFATE	30.0	30	mg/L	300.0	100	90-110	QCS	
PH_141212B	HYDROGEN ION (pH)	7.91	8.00	pH Units	SM4500-H+ B	99	80-120	QCS	
	HYDROGEN ION (pH)	7.99	8.00	pH Units	SM4500-H+ B	100	80-120	QCS	
TDS_141215	TOTAL DISSOLVED SOLIDS (TDS)	506	500	mg/L	SM2540 C	101	80-120	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120	QCS	
turb_141212	TURBIDITY	0.97	1.00	NTU	180.1	97	80-120	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result	Result				Qualifier	Type	
Duplicate											
200.8_141216WW											
	54270	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	54270	CHROMIUM	0.0005	0.0005		mg/L	0.0	0-20			DUP
	54270	COPPER	0.006	0.006		mg/L	0.0	0-20			DUP
	54270	LEAD	0.0003	0.0003		mg/L	0.0	0-20			DUP
	54270	SELENIUM	0.0008	0.0006		mg/L	28.6	0-20	IEV		DUP
	54270	SILVER	ND	ND		mg/L	NA	0-20			DUP
	54270	ZINC	0.030	0.028		mg/L	6.9	0-20			DUP
	54939	COPPER	0.005	0.005		mg/L	0.0	0-20			DUP
	54939	LEAD	0.002	0.002		mg/L	0.0	0-20			DUP
310.2_141215											
	55196	ALKALINITY	289	290		mg CaCO3/l	0.3	0-20			DUP
	55196	BICARBONATE	289	290		mg CaCO3/l	0.3	0-20			DUP
	55199	ALKALINITY	186	186		mg CaCO3/l	0.0	0-20			DUP
	55199	BICARBONATE	186	186		mg CaCO3/l	0.0	0-20			DUP
7470A_141215											
	52929	MERCURY	ND	ND		mg/L	NA	0-45			DUP
	54192	MERCURY	ND	ND		mg/L	NA	0-45			DUP
	55121	MERCURY	ND	ND		mg/L	NA	0-45			DUP
8081W_141218											
	55123	4,4' - DDD	ND	ND		ug/L	NA	0-20			DUP
	55123	4,4' - DDE	ND	ND		ug/L	NA	0-20			DUP
	55123	4,4' - DDT	ND	ND		ug/L	NA	0-20			DUP
	55123	ALDRIN	ND	ND		ug/L	NA	0-20			DUP
	55123	ALPHA-CHLORDANE	ND	ND		ug/L	NA	0-20			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result	Result				Qualifier	Type	Comments
	55123	BHC, ALPHA -	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	BHC, BETA -	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	BHC, DELTA -	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	DIELDRIN	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	ENDOSULFAN I	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	ENDOSULFAN II	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	ENDOSULFAN SULFATE	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	ENDRIN	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	ENDRIN ALDEHYDE	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	ENDRIN KETONE	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	GAMMA-CHLORDANE	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	HEPTACHLOR	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	HEPTACHLOR EPOXIDE "B"	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	LINDANE (BHC - GAMMA)	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	METHOXYCHLOR	ND	ND	ND	ug/L	NA	0-20		DUP	
	55123	TOXAPHENE	ND	ND	ND	ug/L	NA	0-20		DUP	
I141212A											
	54166	FLUORIDE	2.23	2.22	2.22	mg/L	0.4	0-20		DUP	
	54444	CHLORIDE	5.04	5.04	5.04	mg/L	0.0	0-20		DUP	
	55015	NITRATE-N	ND	ND	ND	mg/L	NA	0-20		DUP	
	55199	CHLORIDE	25	25	25	mg/L	0.0	0-20		DUP	
	55199	NITRATE-N	ND	ND	ND	mg/L	NA	0-20		DUP	
	55199	SULFATE	ND	ND	ND	mg/L	NA	0-20		DUP	
PH_141212B											
	55125	HYDROGEN ION (pH)	7.19	7.22	7.22	pH Units	0.4	0-45		DUP	
TDS_141215											
	55123	TOTAL DISSOLVED SOLIDS (TDS)	516	514	514	mg/L	0.4	0-10		DUP	
	55287	TOTAL DISSOLVED SOLIDS (TDS)	249	248	248	mg/L	0.4	0-10		DUP	
TURB_141212											
	55124	TURBIDITY	0.69	0.79	0.79	NTU	13.5	0-20		DUP	
	55219	TURBIDITY	7.48	7.44	7.44	NTU	0.5	0-20		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.8_141216WW															
	54270	CADMIUM	ND	0.052		0.050	mg/L	104		70-130	NA				LFM
	54270	CHROMIUM	0.0005	0.051		0.050	mg/L	101		70-130	NA				LFM
	54270	COPPER	0.006	0.058		0.050	mg/L	104		70-130	NA				LFM
	54270	LEAD	0.0003	0.050		0.050	mg/L	99		70-130	NA				LFM
	54270	SELENIUM	0.0008	0.049		0.050	mg/L	96		70-130	NA				LFM
	54270	SILVER	ND	0.030		0.050	mg/L	60		70-130	NA		IM		LFM
	54270	ZINC	0.030	0.083		0.050	mg/L	106		70-130	NA				LFM
	54939	COPPER	0.005	0.057		0.050	mg/L	104		70-130	NA				LFM
	54939	LEAD	0.002	0.053		0.050	mg/L	102		70-130	NA				LFM
310.2_141215															
	55196	ALKALINITY	289	513	499	250	mg CaCO3/90	84		70-130	6.5				LFM
	55196	BICARBONATE	289	513	499	250	mg CaCO3/90	84		70-130	6.5				LFM
	55199	ALKALINITY	186	436	438	250	mg CaCO3/100	101		70-130	0.8				LFM
	55199	BICARBONATE	186	436	438	250	mg CaCO3/100	101		70-130	0.8				LFM
7470A_141215															
	52929	MERCURY	ND	0.00168	0.00167	0.00167	mg/L	101	100	70-130	0.6				LFM
	54192	MERCURY	ND	0.00160	0.00159	0.00167	mg/L	96	95	70-130	0.6				LFM
	55121	MERCURY	ND	0.00168	0.00168	0.00167	mg/L	101	101	70-130	0.0				LFM
8081W_141218															
	55121	4,4' - DDD		0.51	0.5	0.5	ug/L	102	100	70-130	2.0	0-0			LFM
	55121	4,4' - DDE		0.54	0.52	0.5	ug/L	108	104	70-130	3.8	0-0			LFM
	55121	4,4' - DDT		0.52	0.51	0.5	ug/L	104	102	70-130	1.9	0-0			LFM
	55121	ALDRIN		0.44	0.46	0.5	ug/L	88	92	70-130	4.4	0-0			LFM
	55121	ALPHA-CHLORDANE		1.1	1.1	1	ug/L	110	110	70-130	0.0	0-0			LFM
	55121	BHC, ALPHA -		0.47	0.47	0.5	ug/L	94	94	70-130	0.0	0-0			LFM
	55121	BHC, BETA -		0.46	0.45	0.5	ug/L	92	90	70-130	2.2	0-0			LFM
	55121	BHC, DELTA -		0.48	0.47	0.5	ug/L	96	94	70-130	2.1	0-0			LFM
	55121	DIELDRIN		0.5	0.49	0.5	ug/L	100	98	70-130	2.0	0-0			LFM
	55121	ENDOSULFAN I		1.1	1.1	1	ug/L	110	110	70-130	0.0	0-0			LFM
	55121	ENDOSULFAN II		0.52	0.51	0.5	ug/L	104	102	70-130	1.9	0-0			LFM
	55121	ENDOSULFAN SULFATE		0.5	0.49	0.5	ug/L	100	98	70-130	2.0	0-0			LFM
	55121	ENDRIN		0.57	0.56	0.5	ug/L	114	112	70-130	1.8	0-0			LFM

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Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	55121	ENDRIN ALDEHYDE		0.35	0.34	0.5	ug/L	70	68	70-130	2.9	0-0			LFM
	55121	ENDRIN KETONE		0.49	0.49	0.5	ug/L	98	98	70-130	0.0	0-0			LFM
	55121	GAMMA-CHLORDANE		0.48	0.48	0.5	ug/L	96	96	70-130	0.0	0-0			LFM
	55121	HEPTACHLOR		0.52	0.52	0.5	ug/L	104	104	70-130	0.0	0-0			LFM
	55121	HEPTACHLOR EPOXIDE "B"		0.51	0.51	0.5	ug/L	102	102	70-130	0.0	0-0			LFM
	55121	LINDANE (BHC - GAMMA)		0.46	0.47	0.5	ug/L	92	94	70-130	2.2	0-0			LFM
	55121	METHOXYCHLOR		0.57	0.56	0.5	ug/L	114	112	70-130	1.8	0-0			LFM
8260W_141217															
	55123	1,1 - DICHLOROETHANE	ND	3.4		4	ug/L	85	NA	70-130	NA				LFM
	55123	1,1 - DICHLOROETHYLENE	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	1,1 - DICHLOROPROPENE	ND	2.9		4	ug/L	73	NA	70-130	NA				LFM
	55123	1,1,1 - TRICHLOROETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	1,1,1,2 - TETRACHLOROETHANE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	1,1,2 - TRICHLOROETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	1,1,2,2 - TETRACHLOROETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA				LFM
	55123	1,2 - DICHLOROBENZENE (ortho)	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	1,2 - DICHLOROETHANE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	1,2 - DICHLOROPROPANE	ND	3.5		4	ug/L	88	NA	70-130	NA				LFM
	55123	1,2,3 - TRICHLOROBENZENE	ND	2.9		4	ug/L	73	NA	70-130	NA				LFM
	55123	1,2,3 - TRICHLOROPROPANE	ND	3.6		4	ug/L	90	NA	70-130	NA				LFM
	55123	1,2,4 - TRICHLOROBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	1,2,4 - TRIMETHYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA				LFM
	55123	1,2-DIBROMO-3-CHLOROPROPANE	ND	2.8		4	ug/L	70	NA	70-130	NA				LFM
	55123	1,3 - DICHLOROBENZENE (meta)	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	1,3 - DICHLOROPROPANE	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	1,3,5 - TRIMETHYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	1,4 - DICHLOROBENZENE (para)	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	2,2 - DICHLOROPROPANE	ND	3.4		4	ug/L	85	NA	70-130	NA				LFM
	55123	BENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA				LFM
	55123	BROMOBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	BROMOCHLOROMETHANE	ND	3.4		4	ug/L	85	NA	70-130	NA				LFM
	55123	BROMODICHLOROMETHANE	ND	2.9		4	ug/L	73	NA	70-130	NA				LFM
	55123	BROMOFORM	ND	3.8		4	ug/L	95	NA	70-130	NA				LFM
	55123	BROMOMETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	55123	CARBON TETRACHLORIDE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	CHLOROBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	CHLOROETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA				LFM
	55123	CHLOROFORM	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	CHLOROMETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	CIS - 1,2 - DICHLOROETHENE	ND	3.1		4	ug/L	78	NA	70-130	NA				LFM
	55123	CIS - 1,3 - DICHLOROPROPENE	ND	2.8		4	ug/L	70	NA	70-130	NA				LFM
	55123	DIBROMOCHLOROMETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	DIBROMOMETHANE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	DICHLORODIFLUOROMETHANE	ND	4.0		4	ug/L	100	NA	70-130	NA				LFM
	55123	ETHYLBENZENE	ND	3.6		4	ug/L	90	NA	70-130	NA				LFM
	55123	HEXACHLOROBUTADIENE	ND	2.8		4	ug/L	70	NA	70-130	NA				LFM
	55123	ISOPROPYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	M,P- XYLENE	ND	7.3		8	ug/L	91	NA	70-130	NA				LFM
	55123	METHYL TERT-BUTYL ETHER	ND	2.9		4	ug/L	73	NA	70-130	NA				LFM
	55123	METHYLENE CHLORIDE	ND	3.7		4	ug/L	93	NA	70-130	NA				LFM
	55123	N - BUTYLBENZENE	ND	2.8		4	ug/L	70	NA	70-130	NA				LFM
	55123	N - PROPYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	NAPHTHALENE	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	O - CHLOROTOLUENE	ND	3.4		4	ug/L	85	NA	70-130	NA				LFM
	55123	O - XYLENE	ND	3.7		4	ug/L	93	NA	70-130	NA				LFM
	55123	P - CHLOROTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	P - ISOPROPYLTOLUENE	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	SEC - BUTYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA				LFM
	55123	STYRENE	ND	3.6		4	ug/L	90	NA	70-130	NA				LFM
	55123	TERT - BUTYLBENZENE	ND	2.9		4	ug/L	73	NA	70-130	NA				LFM
	55123	TETRACHLOROETHYLENE	ND	3.1		4	ug/L	78	NA	70-130	NA				LFM
	55123	TOLUENE	ND	3.0		4	ug/L	75	NA	70-130	NA				LFM
	55123	TRANS - 1,2 - DICHLOROETHENE	ND	3.4		4	ug/L	85	NA	70-130	NA				LFM
	55123	TRANS - 1,3 - DICHLOROPROPENE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	TRICHLOROETHENE	ND	3.2		4	ug/L	80	NA	70-130	NA				LFM
	55123	TRICHLOROFLUOROMETHANE	ND	3.3		4	ug/L	83	NA	70-130	NA				LFM
	55123	VINYL CHLORIDE	ND	3.6		4	ug/L	90	NA	70-130	NA				LFM

I141212A

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				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	54166	FLUORIDE	2.23	3.24		1	mg/L	101		90-110	NA				LFM
	54444	CHLORIDE	5.04	24.21		20	mg/L	96		90-110	NA				LFM
	55015	NITRATE-N	ND	1.05		1	mg/L	105		90-110	NA				LFM
	55199	NITRATE-N	ND	1.02		1	mg/L	102		90-110	NA				LFM
	55199	SULFATE	0.07	2.13		2	mg/L	103		90-110	NA				LFM

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 14-24332

Report Date: 01/09/15

Qualifier	Definition
H2	Initial analysis within holding time. Reanalysis for the duplicate was past holding time.
H3	Sample was received and analyzed past holding time.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

codes 1

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Ref #
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program
Attn: Steven Patten	Phone: Steven Patten	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/> Expires	<input type="checkbox"/> RCRA / CERCLA
Project: Stiller Pond Site	Card#:	<input type="checkbox"/> Other

EMCE
ANALYTICAL LABORATORIES

Main Lab (800-755-9295)
1620 South Wahut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
5405 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

- Standard
- Half-time (50% surcharge)
- Quickest (100% surcharge) Phone Call Req.
- Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B.2b (Surface wa
1	BLU-136	SPAS	BLU	12-11-11	11:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	BLU-115	SPAS	BLU	12-11-11	11:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	BLU-116	SPAS	BLU	12-11-11	12:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Containers 14-24332

55121 - 55125

Conditions on Receipt

CO024444

Sampled by: Steven Patten Phone: 541-938-2170 FAX: 541-938-2170 Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

27 Total Containers

Relinquished by	Date	Time	Received by	Date	Time
<u>Steven Patten</u>	<u>12-11-11</u>	<u>13:15</u>	<u>WPS</u>	<u>12-12-14</u>	<u>09:00</u>

Custody seals intact Yes No N/A

Sample temp 9.7 C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

Chain of Custody / Analysis Request

cooler 2

(Please complete all applicable shaded sections)

24444

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Council	Ref #
Ship Address: 810 S Main Street	Address: 810 South Main Street	For Lab Use Only
City: Milton-Freewe St. OR zip: 97862	City: Milton-Freewe St. OR zip: 97862	<input type="checkbox"/> Check Regulatory Program
Attn: Steven Patten	Phone: Steven Patten	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA
Project: Stiller Pond Site	Card#:	<input type="checkbox"/> Other

EMTEC ANALYTICAL LABORATORIES
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B.2b (Surface water)	Number of Containers	Special Instructions Conditions on Receipt
1	GLW-147	GRAB	GLW	12-11-14	12:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
2	NEW EK	GRAB	GLW	12-11-14	12:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
3	FOOTAKE	GRAB	SLW	12-11-14	12:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: _____ Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

18 Total Containers

Relinquished by: STEVEN PATTEN Date: 12-11-14 Time: 13:15 Received by: WPS

Custody seals intact Yes No N/A
 Sample temp 5 C satisfactory
 Samples received intact
 Chain of custody & labels agree

January 02, 2015

Vista Project I.D.: 1400949

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on December 12, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1400949

Case Narrative

Sample Condition on Receipt:

Five groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	32
Certifications.....	33
Sample Receipt.....	34

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1400949-01	GW-136	11-Dec-14 11:15	12-Dec-14 11:22	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400949-02	GW-145	11-Dec-14 11:45	12-Dec-14 11:22	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400949-03	GW-146	11-Dec-14 12:05	12-Dec-14 11:22	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400949-04	GW-147	11-Dec-14 12:55	12-Dec-14 11:22	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400949-05	Intake	11-Dec-14 12:25	12-Dec-14 11:22	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4L0127	Lab Sample: B4L0127-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Dec-2014 8:05	Date Analyzed: 26-Dec-14 14:35 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.12			PCB-43/49	ND	1.26		
PCB-2	ND	1.29			PCB-44	ND	1.47		
PCB-3	ND	1.25			PCB-45	ND	1.45		
PCB-4/10	ND	0.849			PCB-46	ND	1.48		
PCB-5/8	ND	0.707			PCB-47	ND	1.22		
PCB-6	ND	0.692			PCB-48/75	ND	1.06		
PCB-7/9	ND	0.687			PCB-50	ND	1.21		
PCB-11	ND		14.2		PCB-51	ND	1.22		
PCB-12/13	ND	0.702			PCB-52/69	ND	1.10		
PCB-14	ND	0.626			PCB-53	ND	1.18		
PCB-15	ND	0.638			PCB-54	ND	0.975		
PCB-16/32	ND	0.848			PCB-55	ND	0.891		
PCB-17	ND	0.970			PCB-56/60	ND	0.910		
PCB-18	ND	1.02			PCB-57	ND	0.920		
PCB-19	ND	1.02			PCB-58	ND	0.930		
PCB-20/21/33	ND	0.634			PCB-61/70	ND	0.949		
PCB-22	ND	0.629			PCB-62	ND	1.07		
PCB-23	ND	0.634			PCB-63	ND	0.917		
PCB-24/27	ND	0.742			PCB-65	ND	1.04		
PCB-25	ND	0.619			PCB-66/76	ND	0.902		
PCB-26	ND	0.643			PCB-67	ND	0.954		
PCB-28	3.18			J	PCB-68	ND	0.930		
PCB-29	ND	0.625			PCB-73	ND	1.02		
PCB-30	ND	0.725			PCB-74	ND	0.851		
PCB-31	ND	0.585			PCB-77	ND	0.813		
PCB-34	ND	0.659			PCB-78	ND	0.903		
PCB-35	ND	0.652			PCB-79	ND	0.880		
PCB-36	ND	0.652			PCB-80	ND	0.774		
PCB-37	ND	0.645			PCB-81	ND	0.809		
PCB-38	ND	0.663			PCB-82	ND	2.65		
PCB-39	ND	0.632			PCB-83	ND	1.70		
PCB-40	ND	1.69			PCB-84/92	ND	2.36		
PCB-41/64/71/72	ND	1.05			PCB-85/116	ND	1.98		
PCB-42/59	ND	1.14			PCB-86	ND	2.53		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4L0127	Lab Sample: B4L0127-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Dec-2014 8:05	Date Analyzed: 26-Dec-14 14:35 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.66			PCB-133/142	ND	2.12		
PCB-88/91	ND	2.59			PCB-134/143	ND	2.16		
PCB-89	ND	2.44			PCB-135	ND	2.27		
PCB-90/101	ND		5.45		PCB-136	ND	1.63		
PCB-93	ND	2.33			PCB-137	ND	1.86		
PCB-94	ND	2.38			PCB-138/163/164	ND		6.99	
PCB-95/98/102	ND	2.17			PCB-139/149	ND		4.33	
PCB-96	ND	1.85			PCB-140	ND	2.25		
PCB-97	ND	2.07			PCB-141	ND	2.04		
PCB-99	ND	1.93			PCB-144	ND	2.16		
PCB-100	ND	2.01			PCB-145	ND	1.62		
PCB-103	ND	2.16			PCB-146/165	ND	1.73		
PCB-104	ND	1.60			PCB-147	ND	2.13		
PCB-105	ND	0.826			PCB-148	ND	2.39		
PCB-106/118	ND		3.97		PCB-150	ND	1.66		
PCB-107/109	ND	1.60			PCB-151	ND	2.18		
PCB-108/112	ND	2.01			PCB-152	ND	1.61		
PCB-110	ND	1.54			PCB-153	ND		9.67	
PCB-111/115	ND	1.47			PCB-154	ND	2.00		
PCB-113	ND	1.84			PCB-155	ND	1.56		
PCB-114	ND	0.835			PCB-156	ND	1.42		
PCB-119	ND	1.50			PCB-157	ND	1.54		
PCB-120	ND	1.45			PCB-158/160	ND	1.57		
PCB-121	ND	1.38			PCB-159	ND	1.58		
PCB-122	ND	0.915			PCB-166	ND	1.65		
PCB-123	ND	1.61			PCB-167	ND	1.46		
PCB-124	ND	1.48			PCB-168	ND	1.46		
PCB-126	ND	0.844			PCB-169	ND	1.49		
PCB-127	ND	0.848			PCB-170	ND	1.54		
PCB-128/162	ND	1.81			PCB-171	ND	1.51		
PCB-129	ND	2.19			PCB-172	ND	1.62		
PCB-130	ND	2.35			PCB-173	ND	1.71		
PCB-131	ND	2.19			PCB-174	ND	1.48		
PCB-132/161	ND	1.80			PCB-175	ND	1.66		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4L0127	Lab Sample: B4L0127-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Dec-2014 8:05	Date Analyzed: 26-Dec-14 14:35 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	1.18			Total triCB	3.18			J
PCB-177	ND	1.59			Total tetraCB	ND	1.69		
PCB-178	ND	1.72			Total pentaCB	ND		9.42	
PCB-179	ND	1.23			Total hexaCB	ND		21.0	
PCB-180	ND		5.50		Total heptaCB	ND		9.95	
PCB-181	ND	1.45			Total octaCB	ND	2.21		
PCB-182/187	ND		4.45		Total nonaCB	ND	0.806		
PCB-183	ND	1.49			DecaCB	ND	1.80		
PCB-184	ND	1.30			Total PCB	3.18			J
PCB-185	ND	1.47							
PCB-186	ND	1.26							
PCB-188	ND	1.15							
PCB-189	ND	1.04							
PCB-190	ND	1.15							
PCB-191	ND	1.18							
PCB-192	ND	1.30							
PCB-193	ND	1.20							
PCB-194	ND	0.637							
PCB-195	ND	0.662							
PCB-196/203	ND	2.09							
PCB-197	ND	1.50							
PCB-198	ND	2.17							
PCB-199	ND	2.21							
PCB-200	ND	1.58							
PCB-201	ND	1.46							
PCB-202	ND	1.55							
PCB-204	ND	1.62							
PCB-205	ND	0.562							
PCB-206	ND	0.806							
PCB-207	ND	0.477							
PCB-208	ND	0.454							
PCB-209	ND	1.80							
Total monoCB	ND	1.29							
Total diCB	ND		14.2						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4L0127	Lab Sample: B4L0127-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Dec-2014 8:05	Date Analyzed: 26-Dec-14 14:35 Column: ZB-1 Analyst: ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	87.9	5 - 145		13C-PCB-157	99.9	10 - 145	
13C-PCB-3	84.9	5 - 145		13C-PCB-159	96.8	10 - 145	
13C-PCB-4	79.6	5 - 145		13C-PCB-167	101	10 - 145	
13C-PCB-11	83.6	5 - 145		13C-PCB-169	109	10 - 145	
13C-PCB-9	80.5	5 - 145		13C-PCB-170	89.1	10 - 145	
13C-PCB-19	75.6	5 - 145		13C-PCB-180	86.7	10 - 145	
13C-PCB-28	93.8	5 - 145		13C-PCB-188	75.9	10 - 145	
13C-PCB-32	76.1	5 - 145		13C-PCB-189	92.4	10 - 145	
13C-PCB-37	94.3	5 - 145		13C-PCB-194	97.4	10 - 145	
13C-PCB-47	81.2	5 - 145		13C-PCB-202	73.1	10 - 145	
13C-PCB-52	82.9	5 - 145		13C-PCB-206	88.7	10 - 145	
13C-PCB-54	81.8	5 - 145		13C-PCB-208	78.8	10 - 145	
13C-PCB-70	87.4	5 - 145		13C-PCB-209	91.7	10 - 145	
13C-PCB-77	102	10 - 145		CRS 13C-PCB-79	102	10 - 145	
13C-PCB-80	89.9	10 - 145		13C-PCB-178	91.2	10 - 145	
13C-PCB-81	97.6	10 - 145					
13C-PCB-95	84.9	10 - 145					
13C-PCB-97	94.1	10 - 145					
13C-PCB-101	89.8	10 - 145					
13C-PCB-104	80.9	10 - 145					
13C-PCB-105	109	10 - 145					
13C-PCB-114	103	10 - 145					
13C-PCB-118	95.1	10 - 145					
13C-PCB-123	95.3	10 - 145					
13C-PCB-126	117	10 - 145					
13C-PCB-127	110	10 - 145					
13C-PCB-138	95.9	10 - 145					
13C-PCB-141	96.4	10 - 145					
13C-PCB-153	90.2	10 - 145					
13C-PCB-155	74.4	10 - 145					
13C-PCB-156	101	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B4L0127
Date Extracted: 23-Dec-2014 8:05Lab Sample: B4L0127-BS1
Date Analyzed: 26-Dec-14 12:27 Column: ZB-1 Analyst: ANP

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	1010	1000	101	60 - 135	IS 13C-PCB-1	74.0	15 - 145
PCB-3	1010	1000	101	60 - 135	IS 13C-PCB-3	71.7	15 - 145
PCB-4/10	4960	4000	124	60 - 135	IS 13C-PCB-4	69.1	15 - 145
PCB-15	2410	2000	120	60 - 135	IS 13C-PCB-9	71.3	15 - 145
PCB-19	1070	1000	107	60 - 135	IS 13C-PCB-11	76.0	15 - 145
PCB-37	1080	1000	108	60 - 135	IS 13C-PCB-19	65.3	15 - 145
PCB-54	1090	1000	109	60 - 135	IS 13C-PCB-28	82.7	15 - 145
PCB-77	1080	1000	108	60 - 135	IS 13C-PCB-32	67.1	15 - 145
PCB-81	1070	1000	107	60 - 135	IS 13C-PCB-37	87.8	15 - 145
PCB-104	1120	1000	112	60 - 135	IS 13C-PCB-47	77.0	15 - 145
PCB-105	1220	1000	122	60 - 135	IS 13C-PCB-52	76.1	15 - 145
PCB-106/118	2260	2000	113	60 - 135	IS 13C-PCB-54	74.9	15 - 145
PCB-114	1200	1000	120	60 - 135	IS 13C-PCB-70	87.4	15 - 145
PCB-123	1190	1000	119	60 - 135	IS 13C-PCB-77	94.5	40 - 145
PCB-126	1180	1000	118	60 - 135	IS 13C-PCB-80	87.5	40 - 145
PCB-155	1110	1000	111	60 - 135	IS 13C-PCB-81	93.2	40 - 145
PCB-156	1150	1000	115	60 - 135	IS 13C-PCB-95	81.7	40 - 145
PCB-157	1160	1000	116	60 - 135	IS 13C-PCB-97	91.9	40 - 145
PCB-167	1150	1000	115	60 - 135	IS 13C-PCB-101	86.8	40 - 145
PCB-169	1210	1000	121	60 - 135	IS 13C-PCB-104	74.5	40 - 145
PCB-188	1090	1000	109	60 - 135	IS 13C-PCB-105	106	40 - 145
PCB-189	1190	1000	119	60 - 135	IS 13C-PCB-114	101	40 - 145
PCB-202	1090	1000	109	60 - 135	IS 13C-PCB-118	93.2	40 - 145
PCB-205	1180	1000	118	60 - 135	IS 13C-PCB-123	90.5	40 - 145
PCB-206	1200	1000	120	60 - 135	IS 13C-PCB-126	111	40 - 145
PCB-208	1190	1000	119	60 - 135	IS 13C-PCB-127	106	40 - 145
PCB-209	1170	1000	117	60 - 135	IS 13C-PCB-138	94.1	40 - 145
					IS 13C-PCB-141	91.8	40 - 145
					IS 13C-PCB-153	90.3	40 - 145
					IS 13C-PCB-155	71.3	40 - 145
					IS 13C-PCB-156	96.4	40 - 145
					IS 13C-PCB-157	95.5	40 - 145
					IS 13C-PCB-159	96.5	40 - 145
					IS 13C-PCB-167	95.1	40 - 145
					IS 13C-PCB-169	92.5	40 - 145
					IS 13C-PCB-170	86.9	40 - 145
					IS 13C-PCB-180	85.8	40 - 145
					IS 13C-PCB-188	74.6	40 - 145
					IS 13C-PCB-189	86.2	40 - 145
					IS 13C-PCB-194	92.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4L0127
Date Extracted: 23-Dec-2014 8:05

Lab Sample: B4L0127-BS1
Date Analyzed: 26-Dec-14 12:27 Column: ZB-1 Analyst: ANP

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	71.5	40 - 145
					IS 13C-PCB-206	82.2	40 - 145
					IS 13C-PCB-208	70.1	40 - 145
					IS 13C-PCB-209	86.9	40 - 145
					CRS 13C-PCB-79	99.8	40 - 145
					CRS 13C-PCB-178	88.8	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-136

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-01	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 11:15					Date Analyzed :	26-Dec-14 18:53 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	27.9				PCB-44	12.6			
PCB-2	2.25			J	PCB-45	5.32			
PCB-3	8.52				PCB-46	ND	0.567		
PCB-4/10	80.4				PCB-47	5.79			
PCB-5/8	142				PCB-48/75	ND		2.05	
PCB-6	26.6				PCB-50	ND	0.505		
PCB-7/9	14.6			J	PCB-51	ND	0.468		
PCB-11	21.7				PCB-52/69	10.3			
PCB-12/13	ND	0.739			PCB-53	4.19			J
PCB-14	ND	0.660			PCB-54	ND	0.407		
PCB-15	36.2				PCB-55	ND	0.277		
PCB-16/32	64.7				PCB-56/60	2.41			J
PCB-17	33.3				PCB-57	ND	0.321		
PCB-18	95.3				PCB-58	ND	0.324		
PCB-19	12.8				PCB-61/70	ND		3.88	
PCB-20/21/33	36.7				PCB-62	ND	0.416		
PCB-22	20.6				PCB-63	ND	0.320		
PCB-23	ND	0.616			PCB-65	ND	0.403		
PCB-24/27	8.24			J	PCB-66/76	ND		3.41	
PCB-25	4.11			J	PCB-67	ND	0.333		
PCB-26	9.24				PCB-68	ND	0.362		
PCB-28	41.6			B	PCB-73	ND	0.393		
PCB-29	ND	0.607			PCB-74	1.89			J
PCB-30	ND	0.710			PCB-77	ND	0.288		
PCB-31	35.2				PCB-78	ND	0.299		
PCB-34	ND	0.641			PCB-79	ND	0.274		
PCB-35	ND	0.585			PCB-80	ND	0.241		
PCB-36	ND	0.585			PCB-81	ND	0.268		
PCB-37	5.94				PCB-82	ND	2.25		
PCB-38	ND	0.594			PCB-83	ND	16.1		
PCB-39	ND	0.567			PCB-84/92	ND	2.02		
PCB-40	ND	0.656			PCB-85/116	ND	1.88		
PCB-41/64/71/72	9.54			J	PCB-86	ND	2.39		
PCB-42/59	4.26			J	PCB-87/117/125	ND	1.57		
PCB-43/49	7.26			J	PCB-88/91	ND	2.33		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-01
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 11:15			QC Batch:	B4L0127
				Date Analyzed :	26-Dec-14 18:53
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.09			PCB-136	ND	1.04		
PCB-90/101	ND	1.79			PCB-137	ND	0.991		
PCB-93	ND	2.10			PCB-138/163/164	7.06			J
PCB-94	ND	2.14			PCB-139/149	4.29			J
PCB-95/98/102	6.02			J	PCB-140	ND	1.44		
PCB-96	ND	1.98			PCB-141	ND	1.09		
PCB-97	ND	1.96			PCB-144	ND	1.38		
PCB-99	ND	1.65			PCB-145	ND	1.03		
PCB-100	ND	2.16			PCB-146/165	ND	0.925		
PCB-103	ND	2.32			PCB-147	ND	1.36		
PCB-104	ND	1.72			PCB-148	ND	1.52		
PCB-105	ND		1.58		PCB-150	ND	1.06		
PCB-106/118	5.19			J	PCB-151	ND	1.39		
PCB-107/109	ND	1.36			PCB-152	ND	1.03		
PCB-108/112	ND	1.90			PCB-153	8.13			
PCB-110	5.58				PCB-154	ND	1.28		
PCB-111/115	ND	1.40			PCB-155	ND	0.992		
PCB-113	ND	1.57			PCB-156	ND	0.737		
PCB-114	ND	0.760			PCB-157	ND	0.775		
PCB-119	ND	1.42			PCB-158/160	ND	0.826		
PCB-120	ND	1.37			PCB-159	ND	0.787		
PCB-121	ND	1.25			PCB-166	ND	0.822		
PCB-122	ND	0.832			PCB-167	ND	0.788		
PCB-123	ND	1.36			PCB-168	ND	0.781		
PCB-124	ND	1.25			PCB-169	ND	0.793		
PCB-126	ND	0.824			PCB-170	ND		1.98	
PCB-127	ND	0.809			PCB-171	ND	0.720		
PCB-128/162	ND	0.900			PCB-172	ND	0.774		
PCB-129	ND	1.15			PCB-173	ND	0.815		
PCB-130	ND	1.25			PCB-174	ND	0.707		
PCB-131	ND	1.17			PCB-175	ND	0.923		
PCB-132/161	ND	0.961			PCB-176	ND	0.656		
PCB-133/142	ND	1.13			PCB-177	ND	0.762		
PCB-134/143	ND	1.15			PCB-178	ND	0.955		
PCB-135	ND	1.45			PCB-179	ND	0.686		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-01
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 11:15			QC Batch:	B4L0127
				Date Analyzed :	26-Dec-14 18:53
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	5.96				Total octaCB	ND		1.67	J
PCB-181	ND	0.695			Total nonaCB	ND	0.862		
PCB-182/187	5.18			J	DecaCB	ND	1.70		
PCB-183	ND	0.826			Total PCB	839			B
PCB-184	ND	0.723							
PCB-185	ND	0.704							
PCB-186	ND	0.701							
PCB-188	ND	0.637							
PCB-189	ND	0.474							
PCB-190	ND	0.528							
PCB-191	ND	0.566							
PCB-192	ND	0.620							
PCB-193	ND	0.572							
PCB-194	ND		1.67						
PCB-195	ND	0.437							
PCB-196/203	ND	1.03							
PCB-197	ND	0.744							
PCB-198	ND	1.07							
PCB-199	ND	1.09							
PCB-200	ND	0.784							
PCB-201	ND	0.724							
PCB-202	ND	0.767							
PCB-204	ND	0.803							
PCB-205	ND	0.371							
PCB-206	ND	0.862							
PCB-207	ND	0.573							
PCB-208	ND	0.545							
PCB-209	ND	1.70							
Total monoCB	38.7								
Total diCB	321								
Total triCB	368			B					
Total tetraCB	63.6		72.9						
Total pentaCB	16.8		18.4						
Total hexaCB	19.5								
Total heptaCB	11.1		13.1						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-01
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 11:15			QC Batch:	B4L0127
				Date Analyzed :	26-Dec-14 18:53
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	75.7	5 -145		13C-PCB-170	83.5	10 -145	
13C-PCB-3	85.2	5 -145		13C-PCB-180	79.4	10 -145	
13C-PCB-4	78.3	5 -145		13C-PCB-188	62.0	10 -145	
13C-PCB-11	80.5	5 -145		13C-PCB-189	83.4	10 -145	
13C-PCB-9	78.2	5 -145		13C-PCB-194	84.0	10 -145	
13C-PCB-19	59.3	5 -145		13C-PCB-202	66.0	10 -145	
13C-PCB-28	72.5	5 -145		13C-PCB-206	79.4	10 -145	
13C-PCB-32	62.6	5 -145		13C-PCB-208	71.1	10 -145	
13C-PCB-37	90.9	5 -145		13C-PCB-209	85.7	10 -145	
13C-PCB-47	66.3	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	68.4	5 -145		13C-PCB-178	84.5	10 -145	
13C-PCB-54	61.8	5 -145					
13C-PCB-70	83.2	5 -145					
13C-PCB-77	93.0	10 -145					
13C-PCB-80	92.1	10 -145					
13C-PCB-81	89.8	10 -145					
13C-PCB-95	79.8	10 -145					
13C-PCB-97	87.4	10 -145					
13C-PCB-101	86.8	10 -145					
13C-PCB-104	66.1	10 -145					
13C-PCB-105	94.6	10 -145					
13C-PCB-114	91.9	10 -145					
13C-PCB-118	93.4	10 -145					
13C-PCB-123	94.4	10 -145					
13C-PCB-126	97.5	10 -145					
13C-PCB-127	93.9	10 -145					
13C-PCB-138	88.3	10 -145					
13C-PCB-141	83.2	10 -145					
13C-PCB-153	80.4	10 -145					
13C-PCB-155	69.0	10 -145					
13C-PCB-156	90.7	10 -145					
13C-PCB-157	91.8	10 -145					
13C-PCB-159	88.5	10 -145					
13C-PCB-167	89.4	10 -145					
13C-PCB-169	87.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data			Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-02	Date Received:	12-Dec-2014 11:22		
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05		
Date Collected:	11-Dec-2014 11:45				Date Analyzed:	26-Dec-14 19:58	Column:	ZB-1	Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	25.3				PCB-44	8.00			
PCB-2	ND	3.58			PCB-45	4.33			J
PCB-3	8.45				PCB-46	ND	0.884		
PCB-4/10	69.6				PCB-47	ND	0.691		
PCB-5/8	141				PCB-48/75	ND	0.600		
PCB-6	26.6				PCB-50	ND	0.733		
PCB-7/9	ND	2.12			PCB-51	ND	0.730		
PCB-11	21.1				PCB-52/69	9.26			J
PCB-12/13	ND	1.92			PCB-53	ND	0.708		
PCB-14	ND	1.71			PCB-54	ND	0.592		
PCB-15	31.6				PCB-55	ND	0.509		
PCB-16/32	55.7				PCB-56/60	ND		2.03	
PCB-17	28.4				PCB-57	ND	0.513		
PCB-18	81.2				PCB-58	ND	0.519		
PCB-19	ND		8.74	I	PCB-61/70	ND		3.16	
PCB-20/21/33	34.2				PCB-62	ND	0.606		
PCB-22	16.3				PCB-63	ND	0.512		
PCB-23	ND	0.688			PCB-65	ND	0.586		
PCB-24/27	5.94			J	PCB-66/76	3.64			J
PCB-25	3.99			J	PCB-67	ND	0.532		
PCB-26	7.83				PCB-68	ND	0.527		
PCB-28	38.9			B	PCB-73	ND	0.613		
PCB-29	ND	0.679			PCB-74	ND		1.34	
PCB-30	ND	0.763			PCB-77	ND	0.479		
PCB-31	32.4				PCB-78	ND	0.483		
PCB-34	ND	0.716			PCB-79	ND	0.503		
PCB-35	ND	0.670			PCB-80	ND	0.443		
PCB-36	ND	0.670			PCB-81	ND	0.433		
PCB-37	ND		3.90		PCB-82	ND	3.81		
PCB-38	ND	0.681			PCB-83	ND	2.63		
PCB-39	ND	0.650			PCB-84/92	ND	3.58		
PCB-40	ND	0.956			PCB-85/116	ND	3.08		
PCB-41/64/71/72	8.20			J	PCB-86	ND	3.92		
PCB-42/59	ND		2.39		PCB-87/117/125	ND	2.57		
PCB-43/49	6.45			J	PCB-88/91	ND	3.88		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-02
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 11:45			QC Batch:	B4L0127
				Date Analyzed:	26-Dec-14 19:58
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.70			PCB-136	ND	3.28		
PCB-90/101	ND	3.16			PCB-137	ND	1.70		
PCB-93	ND	3.50			PCB-138/163/164	6.16			J
PCB-94	ND	3.57			PCB-139/149	ND	4.21		
PCB-95/98/102	ND	3.26			PCB-140	ND	4.53		
PCB-96	ND	2.98			PCB-141	ND	1.87		
PCB-97	ND	3.21			PCB-144	ND	4.34		
PCB-99	ND	2.92			PCB-145	ND	3.25		
PCB-100	ND	3.24			PCB-146/165	ND	1.61		
PCB-103	ND	3.49			PCB-147	ND	4.29		
PCB-104	ND	2.59			PCB-148	ND	4.80		
PCB-105	ND	1.08			PCB-150	ND	3.34		
PCB-106/118	ND	2.22			PCB-151	ND	4.40		
PCB-107/109	ND	2.09			PCB-152	ND	3.24		
PCB-108/112	ND	3.11			PCB-153	6.97			
PCB-110	ND	2.38			PCB-154	ND	4.02		
PCB-111/115	ND	2.29			PCB-155	ND	3.13		
PCB-113	ND	2.78			PCB-156	ND	1.19		
PCB-114	ND	1.10			PCB-157	ND	1.26		
PCB-119	ND	2.33			PCB-158/160	ND	1.35		
PCB-120	ND	2.25			PCB-159	ND	1.27		
PCB-121	ND	2.08			PCB-166	ND	1.33		
PCB-122	ND	1.21			PCB-167	ND	1.28		
PCB-123	ND	2.31			PCB-168	ND	1.36		
PCB-124	ND	2.13			PCB-169	ND	1.23		
PCB-126	ND	1.09			PCB-170	ND	1.14		
PCB-127	ND	1.12			PCB-171	ND	1.14		
PCB-128/162	ND	1.45			PCB-172	ND	1.22		
PCB-129	ND	1.89			PCB-173	ND	0.653		
PCB-130	ND	2.15			PCB-174	ND	1.12		
PCB-131	ND	2.03			PCB-175	ND	1.32		
PCB-132/161	ND	1.67			PCB-176	ND	0.940		
PCB-133/142	ND	1.97			PCB-177	ND	1.20		
PCB-134/143	ND	2.01			PCB-178	ND	1.37		
PCB-135	ND	4.56			PCB-179	ND	0.982		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-02	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 11:45					Date Analyzed :	26-Dec-14 19:58 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	4.59			J	Total octaCB	ND	2.91		
PCB-181	ND	1.10			Total nonaCB	ND	1.42		
PCB-182/187	6.66			J	DecaCB	ND	1.59		
PCB-183	ND	1.18			Total PCB	693			B
PCB-184	ND	1.03							
PCB-185	ND	1.11							
PCB-186	ND	1.00							
PCB-188	ND	0.912							
PCB-189	ND	0.691							
PCB-190	ND	0.847							
PCB-191	ND	0.894							
PCB-192	ND	0.979							
PCB-193	ND	0.904							
PCB-194	ND	0.942							
PCB-195	ND	0.978							
PCB-196/203	ND	2.74							
PCB-197	ND	1.97							
PCB-198	ND	2.85							
PCB-199	ND	2.91							
PCB-200	ND	2.08							
PCB-201	ND	1.92							
PCB-202	ND	2.04							
PCB-204	ND	2.13							
PCB-205	ND	0.831							
PCB-206	ND	1.42							
PCB-207	ND	0.962							
PCB-208	ND	0.916							
PCB-209	ND	1.59							
Total monoCB	33.7								
Total diCB	290								
Total triCB	305		317	B					
Total tetraCB	39.9		48.8						
Total pentaCB	ND	3.92							
Total hexaCB	13.1								
Total heptaCB	11.2								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-02
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 11:45			QC Batch:	B4L0127
				Date Analyzed:	26-Dec-14 19:58
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	60.8	5 -145		13C-PCB-170	86.6	10 -145	
13C-PCB-3	62.9	5 -145		13C-PCB-180	83.5	10 -145	
13C-PCB-4	64.0	5 -145		13C-PCB-188	70.2	10 -145	
13C-PCB-11	73.7	5 -145		13C-PCB-189	90.8	10 -145	
13C-PCB-9	65.7	5 -145		13C-PCB-194	93.9	10 -145	
13C-PCB-19	53.7	5 -145		13C-PCB-202	74.5	10 -145	
13C-PCB-28	69.8	5 -145		13C-PCB-206	92.8	10 -145	
13C-PCB-32	59.8	5 -145		13C-PCB-208	81.0	10 -145	
13C-PCB-37	82.7	5 -145		13C-PCB-209	100	10 -145	
13C-PCB-47	75.9	5 -145		CRS 13C-PCB-79	100	10 -145	
13C-PCB-52	77.1	5 -145		13C-PCB-178	85.9	10 -145	
13C-PCB-54	72.6	5 -145					
13C-PCB-70	88.0	5 -145					
13C-PCB-77	94.6	10 -145					
13C-PCB-80	90.3	10 -145					
13C-PCB-81	95.2	10 -145					
13C-PCB-95	79.1	10 -145					
13C-PCB-97	89.6	10 -145					
13C-PCB-101	82.1	10 -145					
13C-PCB-104	73.9	10 -145					
13C-PCB-105	113	10 -145					
13C-PCB-114	111	10 -145					
13C-PCB-118	95.0	10 -145					
13C-PCB-123	92.7	10 -145					
13C-PCB-126	121	10 -145					
13C-PCB-127	114	10 -145					
13C-PCB-138	96.2	10 -145					
13C-PCB-141	91.0	10 -145					
13C-PCB-153	86.2	10 -145					
13C-PCB-155	73.4	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	97.2	10 -145					
13C-PCB-167	99.9	10 -145					
13C-PCB-169	101	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-03	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:05					Date Analyzed :	27-Dec-14 15:44 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	24.2				PCB-44	7.66			
PCB-2	ND		1.76		PCB-45	4.16			J
PCB-3	8.62				PCB-46	2.50			J
PCB-4/10	68.9				PCB-47	43.8			
PCB-5/8	139				PCB-48/75	1.42			J
PCB-6	26.3				PCB-50	ND	0.911		
PCB-7/9	13.2			J	PCB-51	9.83			
PCB-11	28.2				PCB-52/69	8.09			J
PCB-12/13	ND	1.17			PCB-53	2.43			J
PCB-14	ND	1.05			PCB-54	ND	0.736		
PCB-15	31.7				PCB-55	ND	0.601		
PCB-16/32	54.0				PCB-56/60	3.17			J
PCB-17	29.8				PCB-57	ND	0.608		
PCB-18	80.7				PCB-58	ND	0.614		
PCB-19	10.9				PCB-61/70	4.28			J
PCB-20/21/33	33.5				PCB-62	ND	0.742		
PCB-22	18.4				PCB-63	ND	0.606		
PCB-23	ND	0.600			PCB-65	ND	0.719		
PCB-24/27	6.02			J	PCB-66/76	4.92			J
PCB-25	4.29			J	PCB-67	ND	0.630		
PCB-26	ND		7.89		PCB-68	7.41			
PCB-28	37.4			B	PCB-73	ND	0.781		
PCB-29	ND	0.592			PCB-74	1.42			J
PCB-30	ND	0.701			PCB-77	ND	0.591		
PCB-31	35.1				PCB-78	ND	0.566		
PCB-34	ND	0.623			PCB-79	ND	0.594		
PCB-35	ND	0.596			PCB-80	ND	0.523		
PCB-36	ND	0.596			PCB-81	ND	0.507		
PCB-37	4.92			J	PCB-82	ND	3.02		
PCB-38	2.22			J	PCB-83	ND	2.11		
PCB-39	ND	0.578			PCB-84/92	ND	2.71		
PCB-40	ND	1.17			PCB-85/116	ND	2.47		
PCB-41/64/71/72	8.32			J	PCB-86	ND	3.14		
PCB-42/59	2.32			J	PCB-87/117/125	ND	2.06		
PCB-43/49	7.55			J	PCB-88/91	ND	3.29		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-03	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:05					Date Analyzed :	27-Dec-14 15:44 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.80			PCB-136	ND	1.07		
PCB-90/101	ND	3.72			PCB-137	ND	1.81		
PCB-93	ND	2.96			PCB-138/163/164	6.64			J
PCB-94	ND	3.02			PCB-139/149	6.72			J
PCB-95/98/102	ND	2.76			PCB-140	ND	1.48		
PCB-96	ND	2.39			PCB-141	ND	1.99		
PCB-97	ND	2.57			PCB-144	ND	1.42		
PCB-99	ND	2.21			PCB-145	ND	1.06		
PCB-100	ND	2.61			PCB-146/165	ND	1.63		
PCB-103	ND	2.80			PCB-147	ND	1.40		
PCB-104	ND	2.08			PCB-148	ND	1.57		
PCB-105	3.02			J	PCB-150	ND	1.09		
PCB-106/118	4.29			J	PCB-151	ND	1.44		
PCB-107/109	ND	1.83			PCB-152	ND	1.06		
PCB-108/112	ND	2.49			PCB-153	6.06			
PCB-110	4.45			J	PCB-154	ND	1.32		
PCB-111/115	ND	1.83			PCB-155	ND	1.03		
PCB-113	ND	2.11			PCB-156	ND	1.44		
PCB-114	ND	0.607			PCB-157	ND	1.47		
PCB-119	ND	1.86			PCB-158/160	ND	1.51		
PCB-120	ND	1.80			PCB-159	ND	1.53		
PCB-121	ND	1.76			PCB-166	ND	1.59		
PCB-122	ND	0.664			PCB-167	ND	1.49		
PCB-123	ND	1.83			PCB-168	ND	1.38		
PCB-124	ND	1.69			PCB-169	ND	1.65		
PCB-126	ND	0.666			PCB-170	ND	1.42		
PCB-127	ND	0.648			PCB-171	ND	1.38		
PCB-128/162	ND	1.74			PCB-172	ND	1.48		
PCB-129	ND	2.11			PCB-173	ND	1.56		
PCB-130	ND	2.29			PCB-174	ND	1.35		
PCB-131	ND	2.07			PCB-175	ND	1.49		
PCB-132/161	ND	1.70			PCB-176	ND	1.06		
PCB-133/142	ND	2.00			PCB-177	ND	1.46		
PCB-134/143	ND	2.04			PCB-178	ND	1.54		
PCB-135	ND	1.49			PCB-179	ND	1.11		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-03	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:05					Date Analyzed :	27-Dec-14 15:44 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.27			Total octaCB	1.26			J
PCB-181	ND	1.33			Total nonaCB	ND	0.814		
PCB-182/187	ND	1.43			DecaCB	ND	1.39		
PCB-183	ND	1.34			Total PCB	809			B
PCB-184	ND	1.17							
PCB-185	ND	1.35							
PCB-186	ND	1.13							
PCB-188	ND	1.03							
PCB-189	ND	0.951							
PCB-190	ND	1.05							
PCB-191	ND	1.08							
PCB-192	ND	1.19							
PCB-193	ND	1.10							
PCB-194	1.26			J					
PCB-195	ND	0.425							
PCB-196/203	ND	2.19							
PCB-197	ND	1.57							
PCB-198	ND	2.27							
PCB-199	ND	2.32							
PCB-200	ND	1.66							
PCB-201	ND	1.53							
PCB-202	ND	1.62							
PCB-204	ND	1.70							
PCB-205	ND	0.361							
PCB-206	ND	0.814							
PCB-207	ND	0.544							
PCB-208	ND	0.517							
PCB-209	ND	1.39							
Total monoCB	32.8		34.6						
Total diCB	307								
Total triCB	317		325	B					
Total tetraCB	119								
Total pentaCB	11.8								
Total hexaCB	19.4								
Total heptaCB	ND	1.56							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-03
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 12:05			QC Batch:	B4L0127
				Date Analyzed :	27-Dec-14 15:44
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	67.7	5 -145		13C-PCB-170	82.4	10 -145	
13C-PCB-3	68.2	5 -145		13C-PCB-180	84.5	10 -145	
13C-PCB-4	65.5	5 -145		13C-PCB-188	76.5	10 -145	
13C-PCB-11	72.4	5 -145		13C-PCB-189	84.5	10 -145	
13C-PCB-9	65.1	5 -145		13C-PCB-194	90.2	10 -145	
13C-PCB-19	61.4	5 -145		13C-PCB-202	79.6	10 -145	
13C-PCB-28	80.4	5 -145		13C-PCB-206	78.9	10 -145	
13C-PCB-32	66.3	5 -145		13C-PCB-208	68.5	10 -145	
13C-PCB-37	84.0	5 -145		13C-PCB-209	77.0	10 -145	
13C-PCB-47	78.2	5 -145		CRS 13C-PCB-79	99.6	10 -145	
13C-PCB-52	77.3	5 -145		13C-PCB-178	95.2	10 -145	
13C-PCB-54	73.0	5 -145					
13C-PCB-70	89.5	5 -145					
13C-PCB-77	95.0	10 -145					
13C-PCB-80	88.6	10 -145					
13C-PCB-81	95.8	10 -145					
13C-PCB-95	79.7	10 -145					
13C-PCB-97	88.0	10 -145					
13C-PCB-101	87.6	10 -145					
13C-PCB-104	75.5	10 -145					
13C-PCB-105	105	10 -145					
13C-PCB-114	102	10 -145					
13C-PCB-118	94.4	10 -145					
13C-PCB-123	91.8	10 -145					
13C-PCB-126	109	10 -145					
13C-PCB-127	105	10 -145					
13C-PCB-138	95.0	10 -145					
13C-PCB-141	92.9	10 -145					
13C-PCB-153	91.5	10 -145					
13C-PCB-155	80.7	10 -145					
13C-PCB-156	93.5	10 -145					
13C-PCB-157	96.2	10 -145					
13C-PCB-159	92.1	10 -145					
13C-PCB-167	97.1	10 -145					
13C-PCB-169	91.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-04	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:55					Date Analyzed :	27-Dec-14 16:49 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	23.3				PCB-44	8.85			
PCB-2	ND		1.68		PCB-45	4.61			J
PCB-3	8.74				PCB-46	ND	0.794		
PCB-4/10	60.5				PCB-47	ND		2.97	
PCB-5/8	147				PCB-48/75	2.92			J
PCB-6	28.0				PCB-50	ND	0.654		
PCB-7/9	12.0			J	PCB-51	ND	0.655		
PCB-11	13.8				PCB-52/69	7.87			J
PCB-12/13	ND	2.07			PCB-53	ND		1.95	
PCB-14	ND	1.84			PCB-54	ND	0.528		
PCB-15	30.7				PCB-55	ND	0.464		
PCB-16/32	52.6				PCB-56/60	ND	0.474		
PCB-17	28.6				PCB-57	ND	0.453		
PCB-18	81.9				PCB-58	ND	0.458		
PCB-19	9.87				PCB-61/70	3.60			J
PCB-20/21/33	30.0				PCB-62	ND	0.530		
PCB-22	17.4				PCB-63	ND	0.451		
PCB-23	ND	0.690			PCB-65	ND	0.513		
PCB-24/27	7.26			J	PCB-66/76	3.64			J
PCB-25	3.23			J	PCB-67	ND	0.470		
PCB-26	7.46				PCB-68	ND	0.461		
PCB-28	35.4			B	PCB-73	ND	0.550		
PCB-29	ND	0.681			PCB-74	ND	0.419		
PCB-30	ND	0.547			PCB-77	ND	0.425		
PCB-31	36.9				PCB-78	ND	0.441		
PCB-34	ND	0.718			PCB-79	ND	0.458		
PCB-35	ND	0.662			PCB-80	ND	0.403		
PCB-36	ND	0.662			PCB-81	ND	0.395		
PCB-37	3.30			J	PCB-82	ND	2.70		
PCB-38	ND	0.673			PCB-83	ND	1.77		
PCB-39	ND	0.642			PCB-84/92	ND	2.35		
PCB-40	ND	0.836			PCB-85/116	ND	2.07		
PCB-41/64/71/72	6.20			J	PCB-86	ND	2.63		
PCB-42/59	3.58			J	PCB-87/117/125	ND	1.73		
PCB-43/49	ND		4.25		PCB-88/91	ND	2.68		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-04	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:55					Date Analyzed :	27-Dec-14 16:49 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.43			PCB-136	ND	1.85		
PCB-90/101	5.65			J	PCB-137	ND	0.880		
PCB-93	ND	2.41			PCB-138/163/164	ND		3.69	
PCB-94	ND	2.46			PCB-139/149	ND	2.38		
PCB-95/98/102	ND	2.25			PCB-140	ND	2.56		
PCB-96	ND	2.07			PCB-141	ND	0.967		
PCB-97	ND	2.15			PCB-144	ND	2.45		
PCB-99	ND	1.92			PCB-145	ND	1.84		
PCB-100	ND	2.26			PCB-146/165	ND	0.840		
PCB-103	ND	2.42			PCB-147	ND	2.42		
PCB-104	ND	1.80			PCB-148	ND	2.71		
PCB-105	ND	0.852			PCB-150	ND	1.89		
PCB-106/118	ND		3.32		PCB-151	ND	2.48		
PCB-107/109	ND	1.63			PCB-152	ND	1.83		
PCB-108/112	ND	2.09			PCB-153	6.80			
PCB-110	ND		3.89		PCB-154	ND	2.27		
PCB-111/115	ND	1.54			PCB-155	ND	1.77		
PCB-113	ND	1.83			PCB-156	ND	0.647		
PCB-114	ND	0.901			PCB-157	ND	0.689		
PCB-119	ND	1.56			PCB-158/160	ND	0.743		
PCB-120	ND	1.51			PCB-159	ND	0.712		
PCB-121	ND	1.43			PCB-166	ND	0.744		
PCB-122	ND	0.986			PCB-167	ND	0.691		
PCB-123	ND	1.64			PCB-168	ND	0.709		
PCB-124	ND	1.51			PCB-169	ND	0.696		
PCB-126	ND	0.897			PCB-170	ND	1.24		
PCB-127	ND	0.878			PCB-171	ND	1.22		
PCB-128/162	ND	0.814			PCB-172	ND	1.31		
PCB-129	ND	1.04			PCB-173	ND	1.38		
PCB-130	ND	1.11			PCB-174	ND	1.19		
PCB-131	ND	1.06			PCB-175	ND	1.44		
PCB-132/161	ND	0.872			PCB-176	ND	1.02		
PCB-133/142	ND	1.03			PCB-177	ND	1.29		
PCB-134/143	ND	1.05			PCB-178	ND	1.49		
PCB-135	ND	2.57			PCB-179	ND	1.07		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-04	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:55					Date Analyzed :	27-Dec-14 16:49 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.12			Total octaCB	ND	2.94		
PCB-181	ND	1.17			Total nonaCB	ND	1.06		
PCB-182/187	ND	1.37			DecaCB	ND	1.13		
PCB-183	ND	1.29			Total PCB	692			B
PCB-184	ND	1.13							
PCB-185	ND	1.19							
PCB-186	ND	1.09							
PCB-188	ND	0.993							
PCB-189	ND	0.864							
PCB-190	ND	0.920							
PCB-191	ND	0.955							
PCB-192	ND	1.05							
PCB-193	ND	0.965							
PCB-194	ND	0.628							
PCB-195	ND	0.652							
PCB-196/203	ND	2.78							
PCB-197	ND	2.00							
PCB-198	ND	2.89							
PCB-199	ND	2.94							
PCB-200	ND	2.11							
PCB-201	ND	1.95							
PCB-202	ND	2.06							
PCB-204	ND	2.16							
PCB-205	ND	0.554							
PCB-206	ND	1.06							
PCB-207	ND	0.678							
PCB-208	ND	0.646							
PCB-209	ND	1.13							
Total monoCB	32.1		33.8						
Total diCB	292								
Total triCB	314			B					
Total tetraCB	41.3		50.4						
Total pentaCB	5.65		12.9						
Total hexaCB	6.80		10.5						
Total heptaCB	ND	1.49							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 12:55			QC Batch:	B4L0127
				Date Analyzed :	27-Dec-14 16:49
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.3	5 -145		13C-PCB-170	95.0	10 -145	
13C-PCB-3	70.0	5 -145		13C-PCB-180	92.0	10 -145	
13C-PCB-4	70.7	5 -145		13C-PCB-188	79.5	10 -145	
13C-PCB-11	74.3	5 -145		13C-PCB-189	95.1	10 -145	
13C-PCB-9	69.6	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	60.2	5 -145		13C-PCB-202	86.7	10 -145	
13C-PCB-28	76.1	5 -145		13C-PCB-206	82.5	10 -145	
13C-PCB-32	66.2	5 -145		13C-PCB-208	73.5	10 -145	
13C-PCB-37	91.3	5 -145		13C-PCB-209	85.6	10 -145	
13C-PCB-47	83.0	5 -145		CRS 13C-PCB-79	99.5	10 -145	
13C-PCB-52	80.6	5 -145		13C-PCB-178	92.0	10 -145	
13C-PCB-54	74.8	5 -145					
13C-PCB-70	91.9	5 -145					
13C-PCB-77	98.0	10 -145					
13C-PCB-80	90.4	10 -145					
13C-PCB-81	96.0	10 -145					
13C-PCB-95	86.2	10 -145					
13C-PCB-97	99.7	10 -145					
13C-PCB-101	91.5	10 -145					
13C-PCB-104	78.1	10 -145					
13C-PCB-105	104	10 -145					
13C-PCB-114	98.1	10 -145					
13C-PCB-118	98.5	10 -145					
13C-PCB-123	97.3	10 -145					
13C-PCB-126	110	10 -145					
13C-PCB-127	110	10 -145					
13C-PCB-138	95.1	10 -145					
13C-PCB-141	93.5	10 -145					
13C-PCB-153	90.9	10 -145					
13C-PCB-155	83.1	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	100	10 -145					
13C-PCB-159	95.6	10 -145					
13C-PCB-167	98.5	10 -145					
13C-PCB-169	102	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-05	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:25					Date Analyzed :	27-Dec-14 17:53 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.70			PCB-44	ND		1.99	
PCB-2	ND	1.82			PCB-45	ND	0.883		
PCB-3	ND	1.76			PCB-46	ND	0.896		
PCB-4/10	ND	1.90			PCB-47	ND	0.743		
PCB-5/8	ND	1.54			PCB-48/75	ND	0.645		
PCB-6	ND	1.51			PCB-50	ND	0.790		
PCB-7/9	ND	1.50			PCB-51	ND	0.740		
PCB-11	10.6				PCB-52/69	ND		3.35	
PCB-12/13	ND	1.46			PCB-53	ND	0.718		
PCB-14	ND	1.31			PCB-54	ND	0.638		
PCB-15	ND	1.33			PCB-55	ND	0.530		
PCB-16/32	ND		1.18		PCB-56/60	ND	0.541		
PCB-17	ND	0.828			PCB-57	ND	0.527		
PCB-18	3.54			J	PCB-58	ND	0.533		
PCB-19	ND	0.910			PCB-61/70	ND		3.17	
PCB-20/21/33	2.14			J	PCB-62	ND	0.651		
PCB-22	1.80			J	PCB-63	ND	0.525		
PCB-23	ND	0.752			PCB-65	ND	0.631		
PCB-24/27	ND	0.633			PCB-66/76	ND		1.69	
PCB-25	ND	0.735			PCB-67	ND	0.547		
PCB-26	ND	0.764			PCB-68	ND	0.566		
PCB-28	2.65			J, B	PCB-73	ND	0.622		
PCB-29	ND	0.742			PCB-74	ND	0.488		
PCB-30	ND	0.645			PCB-77	ND	0.538		
PCB-31	ND		1.72		PCB-78	ND	0.544		
PCB-34	ND	0.782			PCB-79	ND	0.523		
PCB-35	ND	0.596			PCB-80	ND	0.460		
PCB-36	ND	0.596			PCB-81	ND	0.487		
PCB-37	ND		1.05		PCB-82	ND	1.85		
PCB-38	ND	0.649			PCB-83	ND	1.26		
PCB-39	ND	0.578			PCB-84/92	ND	1.63		
PCB-40	ND	1.03			PCB-85/116	ND	1.47		
PCB-41/64/71/72	ND		1.22		PCB-86	ND	1.87		
PCB-42/59	ND	0.691			PCB-87/117/125	ND	1.23		
PCB-43/49	2.84			J	PCB-88/91	ND	1.89		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-05	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:25					Date Analyzed :	27-Dec-14 17:53 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.69			PCB-136	ND	1.17		
PCB-90/101	ND		5.17		PCB-137	ND	1.19		
PCB-93	ND	1.70			PCB-138/163/164	8.59			J
PCB-94	ND	1.74			PCB-139/149	6.06			J
PCB-95/98/102	ND	1.58			PCB-140	ND	1.61		
PCB-96	ND	1.41			PCB-141	ND	1.31		
PCB-97	ND	1.53			PCB-144	ND	1.55		
PCB-99	ND		3.22		PCB-145	ND	1.16		
PCB-100	ND	1.54			PCB-146/165	ND	1.09		
PCB-103	ND	1.65			PCB-147	ND	1.53		
PCB-104	ND	1.23			PCB-148	ND	1.71		
PCB-105	3.14			J	PCB-150	ND	1.19		
PCB-106/118	6.28			J	PCB-151	ND	1.57		
PCB-107/109	ND	1.12			PCB-152	ND	1.15		
PCB-108/112	ND	1.49			PCB-153	8.52			
PCB-110	5.28				PCB-154	ND	1.43		
PCB-111/115	ND	1.09			PCB-155	ND	1.11		
PCB-113	ND	1.27			PCB-156	ND	0.930		
PCB-114	ND	0.803			PCB-157	ND	0.999		
PCB-119	ND	1.11			PCB-158/160	ND	1.05		
PCB-120	ND	1.07			PCB-159	ND	0.993		
PCB-121	ND	1.01			PCB-166	ND	1.04		
PCB-122	ND	0.879			PCB-167	ND	0.974		
PCB-123	ND	1.12			PCB-168	ND	0.922		
PCB-124	ND	1.03			PCB-169	ND	0.995		
PCB-126	ND	0.843			PCB-170	ND	2.14		
PCB-127	ND	0.791			PCB-171	ND	2.29		
PCB-128/162	ND	1.13			PCB-172	ND	2.46		
PCB-129	ND	1.47			PCB-173	ND	2.59		
PCB-130	ND	1.50			PCB-174	ND	2.25		
PCB-131	ND	1.38			PCB-175	ND	2.59		
PCB-132/161	ND	1.13			PCB-176	ND	1.84		
PCB-133/142	ND	1.33			PCB-177	ND	2.42		
PCB-134/143	ND	1.36			PCB-178	ND	2.68		
PCB-135	ND	1.63			PCB-179	ND	1.92		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1400949-05	Date Received:	12-Dec-2014 11:22
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B4L0127	Date Extracted:	23-Dec-2014 8:05
Date Collected:	11-Dec-2014 12:25					Date Analyzed :	27-Dec-14 17:53 Column: ZB-1 Analyst: ANP	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	6.14				Total octaCB	1.19			J
PCB-181	ND	2.21			Total nonaCB	ND	1.64		
PCB-182/187	4.46			J	DecaCB	ND	1.75		
PCB-183	ND	2.32			Total PCB	73.2			B
PCB-184	ND	2.03							
PCB-185	ND	2.24							
PCB-186	ND	1.97							
PCB-188	ND	1.79							
PCB-189	ND	1.47							
PCB-190	ND	1.59							
PCB-191	ND	1.80							
PCB-192	ND	1.97							
PCB-193	ND	1.82							
PCB-194	1.19			J					
PCB-195	ND	0.617							
PCB-196/203	ND	2.47							
PCB-197	ND	1.78							
PCB-198	ND	2.57							
PCB-199	ND	2.62							
PCB-200	ND	1.88							
PCB-201	ND	1.73							
PCB-202	ND	1.83							
PCB-204	ND	1.92							
PCB-205	ND	0.524							
PCB-206	ND	1.64							
PCB-207	ND	1.19							
PCB-208	ND	1.13							
PCB-209	ND	1.75							
Total monoCB	ND	1.82							
Total diCB	10.6								
Total triCB	10.1		14.1	B					
Total tetraCB	2.84		14.3						
Total pentaCB	14.7		23.1						
Total hexaCB	23.2								
Total heptaCB	10.6								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1400949-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	12-Dec-2014 11:22
Date Collected:	11-Dec-2014 12:25			QC Batch:	B4L0127
				Date Analyzed :	27-Dec-14 17:53
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.2	5 -145		13C-PCB-170	101	10 -145	
13C-PCB-3	73.7	5 -145		13C-PCB-180	95.6	10 -145	
13C-PCB-4	70.5	5 -145		13C-PCB-188	80.0	10 -145	
13C-PCB-11	79.5	5 -145		13C-PCB-189	101	10 -145	
13C-PCB-9	73.0	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	64.5	5 -145		13C-PCB-202	88.0	10 -145	
13C-PCB-28	83.9	5 -145		13C-PCB-206	92.0	10 -145	
13C-PCB-32	70.8	5 -145		13C-PCB-208	76.1	10 -145	
13C-PCB-37	108	5 -145		13C-PCB-209	90.8	10 -145	
13C-PCB-47	85.3	5 -145		CRS 13C-PCB-79	109	10 -145	
13C-PCB-52	86.3	5 -145		13C-PCB-178	93.5	10 -145	
13C-PCB-54	81.1	5 -145					
13C-PCB-70	96.0	5 -145					
13C-PCB-77	100	10 -145					
13C-PCB-80	94.2	10 -145					
13C-PCB-81	101	10 -145					
13C-PCB-95	86.4	10 -145					
13C-PCB-97	92.9	10 -145					
13C-PCB-101	91.0	10 -145					
13C-PCB-104	79.3	10 -145					
13C-PCB-105	109	10 -145					
13C-PCB-114	104	10 -145					
13C-PCB-118	95.1	10 -145					
13C-PCB-123	95.9	10 -145					
13C-PCB-126	114	10 -145					
13C-PCB-127	115	10 -145					
13C-PCB-138	98.5	10 -145					
13C-PCB-141	100	10 -145					
13C-PCB-153	94.6	10 -145					
13C-PCB-155	84.4	10 -145					
13C-PCB-156	105	10 -145					
13C-PCB-157	106	10 -145					
13C-PCB-159	99.1	10 -145					
13C-PCB-167	103	10 -145					
13C-PCB-169	109	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
M	Estimated Maximum Possible Concentration (CA Region 2)
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-002
Pennsylvania Department of Environmental Protection	011
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-14-5
Virginia Department of General Services	3138
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY
 Storage Secured Yes No
 Laboratory Project ID: 1400949
 Storage ID: WR-2 Temp: 2.4 °C

Project I.D.: STILLER POND P.O.# _____ Sampler: STEVEN PATTEN
 (Name)

TAT: (Check One):
 Standard: 21 Days
 Rush (surcharge may apply):
 14 days 7 days Specify: _____

Invoice to: Name WAWA WAWA BASIN WATERSHED COUNCIL Company WATERSHED COUNCIL Address 810 S. MAIN City MELTON-FREENWATER State OR Zip 97862 Ph# 541-938-2170 Fax#
 Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 12-11-14 Time: 13:45 Received by: (Signature and Printed Name) UPS Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) UPS Date: _____ Time: _____ Received by: (Signature and Printed Name) Beth & Benedict B. Benedict Date: 12/2/14 Time: 11:23

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 • Fax (916) 673-0106
 Method of Shipment: UPS

Add Analysis(es) Requested
EPA1613 EPA8290 EPA8280 EPA1668 EPA1614 CARB429

ATTN: _____ Tracking No.: _____

Quantity	Type	Matrix	Container(s)											
			2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB'S	209 CONGENERS

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB'S	209 CONGENERS	PBDE	PAH	WHO-29	
MIL C of WALLULA			STILLER POND	2	A	AQ										X						
GW-136	12-11-14	11:15	STILLER POND	2	A	AQ										X						
GW-145	12-11-14	11:45	STILLER POND	2	A	AQ										X						
GW-146	12-11-14	12:05	STILLER POND	2	A	AQ										X						
GW-147	12-11-14	12:55	STILLER POND	2	A	AQ										X						
INTAKE	12-11-14	12:25	STILLER POND	2	A	AQ										X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
 Company: WAWA WAWA C
 Address: 810 S. MAIN
 City: MELTON-FREENWATER State: OR Zip: 97862
 Phone: 541-938-2170 Fax: SAME
 Email: steven.patten@wawawc.org
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
 P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate,
 O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400949 TAT Std

Samples Arrival:	Date/Time <u>12/12/14 1122</u>	Initials: <u>VP/BB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>NA</u>
Logged In:	Date/Time <u>12/12/14 1547</u>	Initials: <u>VP/BB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>C4</u>
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: <u>2.4</u>	(uncorrected)	Time: <u>1122</u>	Thermometer ID: IR-1
Temp °C: <u>2.4</u>	(corrected)		

	YES	NO	NA
Adequate Sample Volume Received? <u>A3B Containers</u>	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill			
Trk # <u>1Z 62E 3F7 0157899220</u>	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented? <u>NA</u>			
	COC	Sample Container	None
Shipping Container	<u>Vista</u>	Client	Retain
			<u>Return</u>
			Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

April 1, 2015

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-03883 - Stiller Pond Site

Dear Mr. Steven Patten,

Your project: Stiller Pond Site, was received on Tuesday March 03, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Patrick Miller, MS
QA Officer

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **15-03883**
 Project: Stiller Pond Site

Report Date: 4/1/15

Date Received: 3/3/15

Approved by: bj,cl,c,dml,mvp,sps

Authorized by:


 Patrick Miller, MS
 QA Officer

Sample Description: GW-147 - Stiller Pond										Sample Date: 3/2/15 9:30 am		
Lab Number: 8840		Sample Comment:						Collected By: Steven Patten				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.31	0.10		NTU	1.0	180.1	a	3/3/15	MMH	TURB_150303	
16887-00-6	CHLORIDE	26	0.1	0.0211	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
16984-48-8	FLUORIDE	0.15	0.1	0.0054	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14797-55-8	NITRATE-N	4.44	0.100	0.0114	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14808-79-8	SULFATE	19	0.2	0.0174	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
E-14506	ALKALINITY	136	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	BICARBONATE	136	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	3/9/15	MMH	7470A_150309	
NA	CORROSIVITY	-0.98			SI	1.0	SM203	a	3/13/15	MVP	COR_150313	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	3/3/15	MH	COLOR_150303	pH:7.04
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	286	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	286	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10139	HYDROGEN ION (pH)	7.04			pH Units	1.0	SM4500-H+ B	a	3/3/15	MMH	PH_150303	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	3/3/15		FC_150302	
7440-70-2	CALCIUM	39.8	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-89-6	IRON	0.02 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-96-5	MANGANESE	0.0006 J	0.005	0.0002	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7440-39-3	BARIUM	0.036	0.001	0.00016	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-47-3	CHROMIUM	0.0004 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-50-8	COPPER	0.0006 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7782-49-2	SELENIUM	0.0005 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

7440-66-6	ZINC	ND	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W

Sample Description: GW-146 - Stiller Pond								Sample Date: 3/2/15 10:15 am			
Lab Number: 8841		Sample Comment:						Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.57	0.10		NTU	1.0	180.1	a	3/3/15	MMH	TURB_150303	
16887-00-6	CHLORIDE	24	0.1	0.0211	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
16984-48-8	FLUORIDE	0.27	0.1	0.0054	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14797-55-8	NITRATE-N	5.94	0.100	0.0114	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14808-79-8	SULFATE	23	0.2	0.0174	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
E-14506	ALKALINITY	200	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	BICARBONATE	200	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	3/9/15	MMH	7470A_150309	
NA	CORROSIVITY	-0.66			SI	1.0	SM203	a	3/13/15	MVP	COR_150313	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	3/3/15	MH	COLOR_150303	pH:7.15
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	350	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	350	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10139	HYDROGEN ION (pH)	7.15			pH Units	1.0	SM4500-H+ B	a	3/3/15	MMH	PH_150303	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	3/3/15		FC_150302	
7440-70-2	CALCIUM	44.7	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-89-6	IRON	0.03 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-96-5	MANGANESE	0.0006 J	0.005	0.0002	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7440-39-3	BARIUM	0.060	0.001	0.00016	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-47-3	CHROMIUM	0.0006 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-50-8	COPPER	0.002	0.002	0.00028	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7439-92-1	LEAD	0.0002 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7782-49-2	SELENIUM	0.0003 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-66-6	ZINC	0.0029	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W	

Sample Description: GW-136 - Stiller Pond								Sample Date: 3/2/15 11:05 am			
Lab Number: 8842		Sample Comment:						Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	22.8	0.10		NTU	1.0	180.1	a	3/3/15	MMH	TURB_150303	
16887-00-6	CHLORIDE	2.95	0.1	0.0211	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	

Notes:

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 D.F. - Dilution Factor

Data Report

16984-48-8	FLUORIDE	0.16	0.1	0.0054	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14797-55-8	NITRATE-N	0.59	0.100	0.0114	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14808-79-8	SULFATE	4.15	0.2	0.0174	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
E-14506	ALKALINITY	131	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	BICARBONATE	131	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	3/9/15	MMH	7470A_150309	
NA	CORROSIVITY	-0.44			SI	1.0	SM203	a	3/13/15	MVP	COR_150313	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	3/3/15	MH	COLOR_150303	pH:7.65 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	178	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	178	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10139	HYDROGEN ION (pH)	7.65			pH Units	1.0	SM4500-H+ B	a	3/3/15	MMH	PH_150303	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	3/3/15		FC_150302	
7440-70-2	CALCIUM	33.7	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-89-6	IRON	1.78	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-96-5	MANGANESE	0.060	0.005	0.0002	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7440-39-3	BARIUM	0.061	0.001	0.00016	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-43-9	CADMIUM	ND	0.0002	8.11E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-47-3	CHROMIUM	0.0008	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-50-8	COPPER	0.0024	0.002	0.00028	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7439-92-1	LEAD	0.0005	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-66-6	ZINC	0.0035	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W	

Sample Description: Intake - Stiller Pond										Sample Date: 3/2/15 11:15 am			
Lab Number: 8843				Sample Comment:						Collected By: Steven Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	

E-10617	TURBIDITY	1.92	0.10		NTU	1.0	180.1	a	3/3/15	MMH	TURB_150303	
16887-00-6	CHLORIDE	5.09	0.1	0.0211	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
16984-48-8	FLUORIDE	0.11	0.1	0.0054	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14797-55-8	NITRATE-N	1.22	0.100	0.0114	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14808-79-8	SULFATE	3.71	0.2	0.0174	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
E-14506	ALKALINITY	43.9	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	BICARBONATE	43.9	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	3/9/15	MMH	7470A_150309	
NA	CORROSIVITY	-1.57			SI	1.0	SM203	a	3/13/15	MVP	COR_150313	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

Data Report

E-11712	COLOR	6	5		Color Units	1.0	SM2120 B	a	3/3/15	MH	COLOR_150303	pH:7.49 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	100	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	100	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10139	HYDROGEN ION (pH)	7.49			pH Units	1.0	SM4500-H+ B	a	3/3/15	MMH	PH_150303	
E-14551	Fecal Coliform	NA	1		MPN/100ml	1.0	SM9221 E	b	3/3/15		FC_150302	
7440-70-2	CALCIUM	10.6	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-89-6	IRON	0.15	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-96-5	MANGANESE	0.003 J	0.005	0.0002	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7440-39-3	BARIUM	0.011	0.001	0.00016	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-43-9	CADIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-50-8	COPPER	0.0008	0.002	0.00028	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
7440-66-6	ZINC	0.0029	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW	
	E. Coli	21.3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	3/4/15	JMM	qt_150303	
	TOTAL COLIFORM	396.8	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	3/4/15	JMM	qt_150303	

Sample Description: GW-145 - Stiller Pond										Sample Date: 3/2/15 11:40 am		
Lab Number: 8844				Sample Comment:						Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

E-10617	TURBIDITY	2.26	0.10		NTU	1.0	180.1	a	3/3/15	MMH	TURB_150303	
16887-00-6	CHLORIDE	20	0.1	0.0211	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
16984-48-8	FLUORIDE	0.22	0.1	0.0054	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14797-55-8	NITRATE-N	3.05	0.100	0.0114	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
14808-79-8	SULFATE	23	0.2	0.0174	mg/L	1.0	300.0	a	3/3/15	SRF	I150303A	
E-14506	ALKALINITY	204	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	BICARBONATE	204	5.00		mg CaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	3/4/15	SPS	310.2_150304	
7439-97-6	MERCURY	ND	0.0002	0.0000064	mg/L	1.0	7470A	a	3/9/15	MMH	7470A_150309	
NA	CORROSIVITY	-0.62			SI	1.0	SM203	a	3/13/15	MVP	COR_150313	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	3/3/15	MH	COLOR_150303	pH:7.15 FILTERED
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	329	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	329	10		mg/L	1.0	SM2540 C	a	3/12/15	SRF	TDS_150306	
E-10139	HYDROGEN ION (pH)	7.15			pH Units	1.0	SM4500-H+ B	a	3/3/15	MMH	PH_150303	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	3/3/15		FC_150302	
7440-70-2	CALCIUM	48.4	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-89-6	IRON	0.22	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	
7439-96-5	MANGANESE	0.006	0.005	0.0002	mg/L	1.0	200.7/3010A	a	3/6/15	BJ	200.7-150306A	

Notes:

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D.F. - Dilution Factor

Data Report

7440-39-3	BARIUM	0.058	0.001	0.00016	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7440-47-3	CHROMIUM	0.0004 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7440-50-8	COPPER	0.001 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
7440-66-6	ZINC	0.00092 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	3/6/15	MVP	200.8_150306WW
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	3/4/15	JMM	M_150303W

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08844
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/9/15
Extraction Method: 3535

Report Date: 4/1/15
Date Analyzed: 3/9/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_150309
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08844
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/6/15
Extraction Method: 5030B

Report Date: 4/1/15
Date Analyzed: 3/6/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150306
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	a	

Notes:

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D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08843
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/9/15
Extraction Method: 3535

Report Date: 4/1/15
Date Analyzed: 3/9/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_150309
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08843
Field ID: Intake
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/6/15
Extraction Method: 5030B

Report Date: 4/1/15
Date Analyzed: 3/6/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150306
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08842
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/9/15
Extraction Method: 3535

Report Date: 4/1/15
Date Analyzed: 3/9/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081w_150309
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08842
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/6/15
Extraction Method: 5030B

Report Date: 4/1/15
Date Analyzed: 3/6/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150306
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08841
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/9/15
Extraction Method: 3535

Report Date: 4/1/15
Date Analyzed: 3/9/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081W_150309
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08841
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/6/15
Extraction Method: 5030B

Report Date: 4/1/15
Date Analyzed: 3/6/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150306
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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D.F. - Dilution Factor.



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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08840
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/9/15
Extraction Method: 3535

Report Date: 4/1/15
Date Analyzed: 3/9/15
Analyst: RJK
Analytical Method: 8081A
Batch: 8081w_150309
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-03883**
Project: Stiller Pond Site

Lab Number: 08840
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 3/2/15
Extraction Date: 3/6/15
Extraction Method: 5030B

Report Date: 4/1/15
Date Analyzed: 3/6/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150306
Approved By: pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.06	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.07	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.12	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.14	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.09	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.36	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.09	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.08	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.17	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.24	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.1	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.14	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.34	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.05	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.18	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.15	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.07	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.11	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.16	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.06	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.11	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.23	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-150306A	CALCIUM	10.8	11	mg/L	200.7	98	90-110	CAL	
	IRON	1.02	1	mg/L	200.7	102	90-110	CAL	
	MANGANESE	1	1	mg/L	200.7	100	90-110	CAL	
200.8_150306WV	BARIIUM	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	CADMIUM	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	CHROMIUM	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	COPPER	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	LEAD	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	SELENIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	SILVER	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	ZINC	0.00109	0.001	mg/L	200.8	109	80-120	CAL	
I150303A	CHLORIDE	1.05	1	mg/L	300.0	105	90-110	CAL	
	FLUORIDE	1.01	1	mg/L	300.0	101	90-110	CAL	
	NITRATE-N	1.00	1	mg/L	300.0	100	90-110	CAL	
	SULFATE	2.04	2	mg/L	300.0	102	90-110	CAL	
TURB_150303	TURBIDITY	10.2	10.0	NTU	180.1	102	80-120	CAL	
	TURBIDITY	10.6	10.0	NTU	180.1	106	80-120	CAL	
	TURBIDITY	10.2	10.0	NTU	180.1	102	80-120	CAL	
	TURBIDITY	10.5	10.0	NTU	180.1	105	80-120	CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-150306A	CALCIUM	26.5	26	mg/L	200.7	102	85-115	LFB	
	IRON	1.06	1	mg/L	200.7	106	85-115	LFB	
	MANGANESE	1.02	1	mg/L	200.7	102	85-115	LFB	
200.8_150306WV	BARIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	CADMIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	CHROMIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	COPPER	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	LEAD	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	SELENIUM	0.038	0.040	mg/L	200.8	95	85-115	LFB	
	SILVER	0.038	0.040	mg/L	200.8	95	85-115	LFB	
	ZINC	0.041	0.040	mg/L	200.8	103	85-115	LFB	
7470A_150309	MERCURY	0.00164	0.00167	mg/L	7470A	98	70-130	LFB	
8081W_150309	4,4' - DDD	0.63	0.5	ug/L	8081A	126	78-132	LFB	
	4,4' - DDE	0.59	0.5	ug/L	8081A	118	73-127	LFB	
	4,4' - DDT	0.58	0.5	ug/L	8081A	116	56-158	LFB	
	ALDRIN	0.59	0.5	ug/L	8081A	118	68-128	LFB	
	ALPHA-CHLORDANE	0.55	0.5	ug/L	8081A	110	70-130	LFB	
	BHC, ALPHA -	0.58	0.5	ug/L	8081A	116	37-134	LFB	
	BHC, BETA -	0.56	0.5	ug/L	8081A	112	17-147	LFB	
	BHC, DELTA -	0.58	0.5	ug/L	8081A	116	32-127	LFB	
	DIELDRIN	0.61	0.5	ug/L	8081A	122	74-134	LFB	
	ENDOSULFAN I	0.57	0.5	ug/L	8081A	114	67-133	LFB	
	ENDOSULFAN II	0.6	0.5	ug/L	8081A	120	64-142	LFB	
	ENDOSULFAN SULFATE	0.65	0.5	ug/L	8081A	130	71-143	LFB	
	ENDRIN	0.62	0.5	ug/L	8081A	124	30-147	LFB	
	ENDRIN ALDEHYDE	0.62	0.5	ug/L	8081A	124	70-130	LFB	
	ENDRIN KETONE	0.63	0.5	ug/L	8081A	126	70-130	LFB	
	GAMMA-CHLORDANE	0.6	0.5	ug/L	8081A	120	74-124	LFB	
	HEPTACHLOR	0.61	0.5	ug/L	8081A	122	61-133	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
8081W_150309	HEPTACHLOR EPOXIDE "B"	0.6	0.5	ug/L	8081A	120	73-127	LFB	
	LINDANE (BHC - GAMMA)	0.58	0.5	ug/L	8081A	116	17-140	LFB	
	METHOXYCHLOR	0.54	0.5	ug/L	8081A	108	41-157	LFB	
8260W_150306	1,1 - DICHLOROETHANE	4.6	4	ug/L	8260B	115	80-120	LFB	
	1,1 - DICHLOROETHYLENE	4.4	4	ug/L	8260B	110	80-120	LFB	
	1,1 - DICHLOROPROPENE	4.3	4	ug/L	8260B	108	80-120	LFB	
	1,1,1 - TRICHLOROETHANE	4.6	4	ug/L	8260B	115	80-120	LFB	
	1,1,1,2 - TETRACHLOROETHANE	4.1	4	ug/L	8260B	103	80-120	LFB	
	1,1,2 - TRICHLOROETHANE	4.1	4	ug/L	8260B	103	80-120	LFB	
	1,1,2,2 - TETRACHLOROETHANE	4	4	ug/L	8260B	100	80-120	LFB	
	1,2 - DICHLOROBENZENE (ortho)	4.1	4	ug/L	8260B	103	80-120	LFB	
	1,2 - DICHLOROETHANE	4.8	4	ug/L	8260B	120	80-120	LFB	
	1,2 - DICHLOROPROPANE	4.4	4	ug/L	8260B	110	80-120	LFB	
	1,2,3 - TRICHLOROBENZENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	1,2,3 - TRICHLOROPROPANE	4	4	ug/L	8260B	100	80-120	LFB	
	1,2,4 - TRICHLOROBENZENE	4	4	ug/L	8260B	100	80-120	LFB	
	1,2,4 - TRIMETHYLBENZENE	4.4	4	ug/L	8260B	110	80-120	LFB	
	1,2-DIBROMO-3-CHLOROPROPANE	4.6	4	ug/L	8260B	115	80-120	LFB	
	1,3 - DICHLOROBENZENE (meta)	4.2	4	ug/L	8260B	105	80-120	LFB	
	1,3 - DICHLOROPROPANE	4.1	4	ug/L	8260B	103	80-120	LFB	
	1,3,5 - TRIMETHYLBENZENE	4.3	4	ug/L	8260B	108	80-120	LFB	
	1,4 - DICHLOROBENZENE (para)	4.1	4	ug/L	8260B	103	80-120	LFB	
	2,2 - DICHLOROPROPANE	4.6	4	ug/L	8260B	115	80-120	LFB	
	BENZENE	4.4	4	ug/L	8260B	110	80-120	LFB	
	BROMOBENZENE	4	4	ug/L	8260B	100	80-120	LFB	
	BROMOCHLOROMETHANE	4.4	4	ug/L	8260B	110	80-120	LFB	
	BROMODICHLOROMETHANE	4.6	4	ug/L	8260B	115	80-120	LFB	
	BROMOFORM	3.7	4	ug/L	8260B	93	80-120	LFB	
	BROMOMETHANE	4.4	4	ug/L	8260B	110	80-120	LFB	
	CARBON TETRACHLORIDE	4.4	4	ug/L	8260B	110	80-120	LFB	
	CHLOROBENZENE	4.1	4	ug/L	8260B	103	80-120	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150306	CHLOROETHANE	4.7	4	ug/L	8260B	118	80-120	LFB	
	CHLOROFORM	4.7	4	ug/L	8260B	118	80-120	LFB	
	CHLOROMETHANE	3.7	4	ug/L	8260B	93	80-120	LFB	
	CIS - 1,2 - DICHLOROETHENE	4.4	4	ug/L	8260B	110	80-120	LFB	
	CIS - 1,3 - DICHLOROPROPENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	DIBROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120	LFB	
	DIBROMOMETHANE	4.7	4	ug/L	8260B	118	80-120	LFB	
	DICHLORODIFLUOROMETHANE	4.4	4	ug/L	8260B	110	80-120	LFB	
	ETHYLBENZENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	HEXACHLOROBUTADIENE	4.5	4	ug/L	8260B	113	80-120	LFB	
	ISOPROPYLBENZENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	M,P- XYLENE	8.3	8	ug/L	8260B	104	80-120	LFB	
	METHYL TERT-BUTYL ETHER	4.2	4	ug/L	8260B	105	80-120	LFB	
	METHYLENE CHLORIDE	3.7	4	ug/L	8260B	93	80-120	LFB	
	N - BUTYLBENZENE	4.5	4	ug/L	8260B	113	80-120	LFB	
	N - PROPYLBENZENE	4	4	ug/L	8260B	100	80-120	LFB	
	NAPHTHALENE	3.6	4	ug/L	8260B	90	80-120	LFB	
	O - CHLOROTOLUENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	O - XYLENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	P - CHLOROTOLUENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	P - ISOPROPYLTOLUENE	4.3	4	ug/L	8260B	108	80-120	LFB	
	SEC - BUTYLBENZENE	4.3	4	ug/L	8260B	108	80-120	LFB	
	STYRENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	TERT - BUTYLBENZENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	TETRACHLOROETHYLENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	TOLUENE	4.3	4	ug/L	8260B	108	80-120	LFB	
	TRANS - 1,2 - DICHLOROETHENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	TRANS - 1,3 - DICHLOROPROPENE	4.1	4	ug/L	8260B	103	80-120	LFB	
	TRICHLOROETHENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	TRICHLOROFLUOROMETHANE	4.6	4	ug/L	8260B	115	80-120	LFB	
	VINYL CHLORIDE	4.6	4	ug/L	8260B	115	80-120	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
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*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low-Level Lab Fortified Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8081W_150309	4,4' - DDD	0.065	0.05	ug/L	8081A	130	62-158	LLFB	
	4,4' - DDE	0.063	0.05	ug/L	8081A	126	58-152	LLFB	
	4,4' - DDT	0.06	0.05	ug/L	8081A	120	45-190	LLFB	
	ALDRIN	0.063	0.05	ug/L	8081A	126	54-154	LLFB	
	ALPHA-CHLORDANE	0.06	0.05	ug/L	8081A	120	56-156	LLFB	
	BHC, ALPHA -	0.057	0.05	ug/L	8081A	114	30-161	LLFB	
	BHC, BETA -	0.058	0.05	ug/L	8081A	116	14-176	LLFB	
	BHC, DELTA -	0.061	0.05	ug/L	8081A	122	26-152	LLFB	
	DIELDRIN	0.066	0.05	ug/L	8081A	132	59-161	LLFB	
	ENDOSULFAN I	0.066	0.05	ug/L	8081A	132	54-160	LLFB	
	ENDOSULFAN II	0.071	0.05	ug/L	8081A	142	51-170	LLFB	
	ENDOSULFAN SULFATE	0.074	0.05	ug/L	8081A	148	57-172	LLFB	
	ENDRIN	0.069	0.05	ug/L	8081A	138	24-176	LLFB	
	ENDRIN ALDEHYDE	0.063	0.05	ug/L	8081A	126	56-156	LLFB	
	ENDRIN KETONE	0.058	0.05	ug/L	8081A	116	56-156	LLFB	
	GAMMA-CHLORDANE	0.066	0.05	ug/L	8081A	132	59-149	LLFB	
	HEPTACHLOR	0.074	0.05	ug/L	8081A	148	49-160	LLFB	
	HEPTACHLOR EPOXIDE "B"	0.068	0.05	ug/L	8081A	136	58-152	LLFB	
	LINDANE (BHC - GAMMA)	0.061	0.05	ug/L	8081A	122	14-168	LLFB	
	METHOXYCHLOR	0.072	0.05	ug/L	8081A	144	33-188	LLFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7-150306A	CALCIUM	ND		mg/L	200.7		0-0	LRB	
	IRON	ND		mg/L	200.7		0-0	LRB	
	MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_150306VV	BARIUM	ND		mg/L	200.8		0-0	LRB	
	CADMIUM	ND		mg/L	200.8		0-0	LRB	
	CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	COPPER	ND		mg/L	200.8		0-0	LRB	
	LEAD	ND		mg/L	200.8		0-0	LRB	
	SELENIUM	ND		mg/L	200.8		0-0	LRB	
	SILVER	ND		mg/L	200.8		0-0	LRB	
	ZINC	ND		mg/L	200.8		0-0	LRB	
310.2_150304	ALKALINITY	ND		mg CaCO3/l	310.2		0-1	LRB	
7470A_150309	MERCURY	ND		mg/L	7470A		0-0	LRB	
I150303A	CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	NITRATE-N	ND		mg/L	300.0		0-0	LRB	
	SULFATE	ND		mg/L	300.0		0-0	LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7-150306A	CALCIUM	ND		mg/L	200.7		0-0	MB	
	IRON	ND		mg/L	200.7		0-0	MB	
	MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_150306VV	BARIUM	ND		mg/L	200.8		0-0	MB	
	CADMIUM	ND		mg/L	200.8		0-0	MB	
	CHROMIUM	ND		mg/L	200.8		0-0	MB	
	COPPER	ND		mg/L	200.8		0-0	MB	
	LEAD	ND		mg/L	200.8		0-0	MB	
	SELENIUM	ND		mg/L	200.8		0-0	MB	
	SILVER	ND		mg/L	200.8		0-0	MB	
	ZINC	ND		mg/L	200.8		0-0	MB	
310.2_150304	ALKALINITY	ND		mg CaCO3/l	310.2		0-1	MB	
8081W_150309	4,4' - DDD	ND		ug/L	8081A		0-0	MB	
	4,4' - DDE	ND		ug/L	8081A		0-0	MB	
	4,4' - DDT	ND		ug/L	8081A		0-0	MB	
	ALDRIN	ND		ug/L	8081A		0-0	MB	
	ALPHA-CHLORDANE	ND		ug/L	8081A		0-0	MB	
	BHC, ALPHA -	ND		ug/L	8081A		0-0	MB	
	BHC, BETA -	ND		ug/L	8081A		0-0	MB	
	BHC, DELTA -	ND		ug/L	8081A		0-0	MB	
	DIELDRIN	ND		ug/L	8081A		0-0	MB	
	ENDOSULFAN I	ND		ug/L	8081A		0-0	MB	
	ENDOSULFAN II	ND		ug/L	8081A		0-0	MB	
	ENDOSULFAN SULFATE	ND		ug/L	8081A		0-0	MB	
	ENDRIN	ND		ug/L	8081A		0-0	MB	
	ENDRIN ALDEHYDE	ND		ug/L	8081A		0-0	MB	
	ENDRIN KETONE	ND		ug/L	8081A		0-0	MB	
	GAMMA-CHLORDANE	ND		ug/L	8081A		0-0	MB	
	HEPTACHLOR	ND		ug/L	8081A		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8081W_150309	HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0-0	MB	
	LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0-0	MB	
	METHOXYCHLOR	ND		ug/L	8081A		0-0	MB	
	TOXAPHENE	ND		ug/L	8081A		0-0	MB	
8260W_150306	1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0	MB	
	1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0	MB	
	2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	BENZENE	ND		ug/L	8260B		0-0	MB	
	BROMOBENZENE	ND		ug/L	8260B		0-0	MB	
	BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	BROMOFORM	ND		ug/L	8260B		0-0	MB	
	BROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150306	CHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	CHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	CHLOROFORM	ND		ug/L	8260B		0-0	MB	
	CHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	DIBROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	
	ETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0	MB	
	ISOPROPYLBENZENE	ND		ug/L	8260B		0-0	MB	
	M,P- XYLENE	ND		ug/L	8260B		0-0	MB	
	METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0	MB	
	METHYLENE CHLORIDE	ND		ug/L	8260B		0-0	MB	
	N - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	N - PROPYLBENZENE	ND		ug/L	8260B		0-0	MB	
	NAPHTHALENE	ND		ug/L	8260B		0-0	MB	
	O - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	
	O - XYLENE	ND		ug/L	8260B		0-0	MB	
	P - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	
	P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0-0	MB	
	SEC - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	STYRENE	ND		ug/L	8260B		0-0	MB	
	TERT - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	TETRACHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	TOLUENE	ND		ug/L	8260B		0-0	MB	
	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	
	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	TRICHLOROETHENE	ND		ug/L	8260B		0-0	MB	
	TRICHLOROFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	
	VINYL CHLORIDE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Method Blank

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TDS_150306	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
TURB_150303	TURBIDITY	ND		NTU	180.1		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-150306A	IRON	2.07	2	mg/L	200.7	104	95-105	QCS	
	MANGANESE	1.97	2	mg/L	200.7	99	95-105	QCS	
	CALCIUM	19.5	20	mg/L	200.7	98	95-105	QCS	
200.8_150306WV	BARIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	CADMIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	CHROMIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	COPPER	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	LEAD	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	SELENIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	SILVER	0.038	0.040	mg/L	200.8	95	90-110	QCS	
	ZINC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
310.2_150304	ALKALINITY	99.8	100	mg CaCO3/l	310.2	100	85-115	QCS	
7470A_150309	MERCURY	0.00185	0.00185	mg/L	7470A	100	90-110	QCS	
8081W_150309	ALDRIN	2.97	2.25	ug/L	8081A	132	70-130	QCS	
	DIELDRIN	2.64	2	ug/L	8081A	132	70-130	QCS	
	ENDRIN	1.05	0.716	ug/L	8081A	147	70-130	QCS	
	HEPTACHLOR	1.11	0.712	ug/L	8081A	156	70-130	QCS	
	HEPTACHLOR EPOXIDE "B"	2.29	1.64	ug/L	8081A	140	70-130	QCS	
	LINDANE (BHC - GAMMA)	2.86	2.28	ug/L	8081A	125	70-130	QCS	
	METHOXYCHLOR	2.84	2.15	ug/L	8081A	132	70-130	QCS	
color_150303	COLOR	10	10	CU	SM2120 B	100	0-10	QCS	
1150303A	CHLORIDE	30	30	mg/L	300.0	100	90-110	QCS	
	FLUORIDE	2.49	2.5	mg/L	300.0	100	90-110	QCS	
	NITRATE-N	2.47	2.5	mg/L	300.0	99	90-110	QCS	
	SULFATE	29	30	mg/L	300.0	97	90-110	QCS	
ph_150303	HYDROGEN ION (pH)	7.91	8.00	pH Units	SM4500-H+ B	99	80-120	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: **15-03883**

Report Date: 04/01/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
PH_150303	HYDROGEN ION (pH)	7.93	8.00	pH Units	SM4500-H+ B	99	80-120	QCS	
	HYDROGEN ION (pH)	7.97	8.00	pH Units	SM4500-H+ B	100	80-120	QCS	
	HYDROGEN ION (pH)	8.02	8.00	pH Units	SM4500-H+ B	100	80-120	QCS	
	HYDROGEN ION (pH)	8.03	8.00	pH Units	SM4500-H+ B	100	80-120	QCS	
TDS_150306	TOTAL DISSOLVED SOLIDS (TDS)	506	500	mg/L	SM2540 C	101	80-120	QCS	
	TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120	QCS	
TURB_150303	TURBIDITY	1.04	1.00	NTU	180.1	104	80-120	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
Duplicate											
200.7-150306A											
	8840	IRON	0.02	0.02		mg/L	0.0	0-20			DUP
	8840	MANGANESE	0.0006	0.0005		mg/L	18.2	0-20			DUP
	8840	CALCIUM	39.8	39.9		mg/L	0.3	0-20			DUP
	9126	IRON	0.05	0.05		mg/L	0.0	0-20			DUP
	9126	MANGANESE	0.045	0.046		mg/L	2.2	0-20			DUP
200.8_150306WW											
	8547	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	8547	CHROMIUM	0.003	0.003		mg/L	0.0	0-20			DUP
	8547	COPPER	0.009	0.009		mg/L	0.0	0-20			DUP
	8547	LEAD	0.004	0.004		mg/L	0.0	0-20			DUP
	8547	SELENIUM	0.0008	0.0008		mg/L	0.0	0-20			DUP
	8547	SILVER	ND	ND		mg/L	NA	0-20			DUP
	8547	ZINC	0.176	0.175		mg/L	0.6	0-20			DUP
	8840	BARIUM	0.036	0.038		mg/L	5.4	0-20			DUP
	8840	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	8840	CHROMIUM	0.0004	0.0004		mg/L	0.0	0-20			DUP
	8840	COPPER	0.0006	0.0007		mg/L	15.4	0-20			DUP
	8840	LEAD	ND	ND		mg/L	NA	0-20			DUP
	8840	SELENIUM	0.0005	0.00043		mg/L	15.1	0-20			DUP
	8840	SILVER	ND	ND		mg/L	NA	0-20			DUP
	8840	ZINC	ND	ND		mg/L	NA	0-20			DUP
	9126	BARIUM	0.002	0.002		mg/L	0.0	0-20			DUP
	9126	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	9126	CHROMIUM	0.001	0.001		mg/L	0.0	0-20			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
	9126	COPPER	0.012	0.012	mg/L	0.0	0-20		DUP	
	9126	LEAD	0.0002	0.0002	mg/L	0.0	0-20		DUP	
310.2_150304										
	8531	ALKALINITY	298	299	mg CaCO3/l	0.3	0-20		DUP	
	9169	BICARBONATE	254	254	mg CaCO3/l	0.0	0-20		DUP	
	9170	BICARBONATE	158	159	mg CaCO3/l	0.6	0-20		DUP	
7470A_150309										
	9641	MERCURY	ND	ND	mg/L	NA	0-45		DUP	
8081W_150309										
	8843	4,4' - DDD	ND	ND	ug/L	NA	0-40		DUP	
	8843	4,4' - DDE	ND	ND	ug/L	NA	0-40		DUP	
	8843	4,4' - DDT	ND	ND	ug/L	NA	0-40		DUP	
	8843	ALDRIN	ND	ND	ug/L	NA	0-40		DUP	
	8843	ALPHA-CHLORDANE	ND	ND	ug/L	NA	0-40		DUP	
	8843	BHC, ALPHA -	ND	ND	ug/L	NA	0-40		DUP	
	8843	BHC, BETA -	ND	ND	ug/L	NA	0-40		DUP	
	8843	BHC, DELTA -	ND	ND	ug/L	NA	0-40		DUP	
	8843	DIELDRIN	ND	ND	ug/L	NA	0-40		DUP	
	8843	ENDOSULFAN I	ND	ND	ug/L	NA	0-40		DUP	
	8843	ENDOSULFAN II	ND	ND	ug/L	NA	0-40		DUP	
	8843	ENDOSULFAN SULFATE	ND	ND	ug/L	NA	0-40		DUP	
	8843	ENDRIN	ND	ND	ug/L	NA	0-40		DUP	
	8843	ENDRIN ALDEHYDE	ND	ND	ug/L	NA	0-40		DUP	
	8843	ENDRIN KETONE	ND	ND	ug/L	NA	0-40		DUP	
	8843	GAMMA-CHLORDANE	ND	ND	ug/L	NA	0-40		DUP	
	8843	HEPTACHLOR	ND	ND	ug/L	NA	0-40		DUP	
	8843	HEPTACHLOR EPOXIDE "B"	ND	ND	ug/L	NA	0-40		DUP	
	8843	LINDANE (BHC - GAMMA)	ND	ND	ug/L	NA	0-40		DUP	
	8843	METHOXYCHLOR	ND	ND	ug/L	NA	0-40		DUP	
	8843	TOXAPHENE	ND	ND	ug/L	NA	0-40		DUP	
8260W_150306										
	8840	1,1 - DICHLOROETHANE	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,1 - DICHLOROETHYLENE	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,1 - DICHLOROPROPENE	ND	ND	ug/L	NA	0-30		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result	Result				Qualifier	Type	Comments
	8840	1,1,1 - TRICHLOROETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,1,1,2 - TETRACHLOROETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,1,2 - TRICHLOROETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,1,2,2 - TETRACHLOROETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2 - DIBROMOETHANE (EDB)	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2 - DICHLOROBENZENE (ortho)	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2 - DICHLOROETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2 - DICHLOROPROPANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2,3 - TRICHLOROBENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2,3 - TRICHLOROPROPANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2,4 - TRICHLOROBENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2,4 - TRIMETHYLBENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,2-DIBROMO-3-CHLOROPROPANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,3 - DICHLOROBENZENE (meta)	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,3 - DICHLOROPROPANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,3,5 - TRIMETHYLBENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	1,4 - DICHLOROBENZENE (para)	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	2,2 - DICHLOROPROPANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	BENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	BROMOBENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	BROMOCHLOROMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	BROMODICHLOROMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	BROMOFORM	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	BROMOMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CARBON TETRACHLORIDE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CHLOROBENZENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CHLOROETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CHLOROFORM	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CHLOROMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CIS - 1,2 - DICHLOROETHENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	CIS - 1,3 - DICHLOROPROPENE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	DIBROMOCHLOROMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	DIBROMOMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	
	8840	DICHLORODIFLUOROMETHANE	ND	ND	ND	ug/L	NA	0-30		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result	Result				Qualifier	Type	Comments
	8840	ETHYLBENZENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	HEXACHLOROBUTADIENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	ISOPROPYLBENZENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	M,P- XYLENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	METHYL TERT-BUTYL ETHER	ND	ND		ug/L	NA	0-30		DUP	
	8840	METHYLENE CHLORIDE	ND	ND		ug/L	NA	0-30		DUP	
	8840	N - BUTYLBENZENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	N - PROPYLBENZENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	NAPHTHALENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	O - CHLOROTOLUENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	O - XYLENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	P - CHLOROTOLUENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	P - ISOPROPYLTOLUENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	SEC - BUTYLBENZENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	STYRENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TERT - BUTYLBENZENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TETRACHLOROETHYLENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TOLUENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TRANS - 1,2 - DICHLOROETHENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TRANS - 1,3 - DICHLOROPROPENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TRICHLOROETHENE	ND	ND		ug/L	NA	0-30		DUP	
	8840	TRICHLOROFLUOROMETHANE	ND	ND		ug/L	NA	0-30		DUP	
	8840	VINYL CHLORIDE	ND	ND		ug/L	NA	0-30		DUP	
I150303A											
	8855	CHLORIDE	3.69	3.70		mg/L	0.3	0-20		DUP	
	8855	FLUORIDE	0.24	0.24		mg/L	0.0	0-20		DUP	
	8855	NITRATE-N	ND	ND		mg/L	NA	0-20		DUP	
	8999	NITRATE-N	ND	ND		mg/L	NA	0-20		DUP	
PH_150303											
	8855	HYDROGEN ION (pH)	7.86	7.87		pH Units	0.1	0-45		DUP	
	9009	HYDROGEN ION (pH)	7.04	7.06		pH Units	0.3	0-45		DUP	
TDS_150306											
	9501	TOTAL DISSOLVED SOLIDS (TDS)	217	217		mg/L	0.0	0-10		DUP	
TURB_150303											

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result					Qualifier	Type	Comments
	8841	TURBIDITY	0.57	0.55		NTU	3.6	0-20		DUP	
	8977	TURBIDITY	9.85	9.99		NTU	1.4	0-20		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7-150306A															
	8840	IRON	0.02	0.08		0.050	mg/L	120		70-130	NA	0-20			LFM
	8840	MANGANESE	0.0006	0.056		0.050	mg/L	111		70-130	NA	0-20			LFM
	9126	IRON	0.05	0.106		0.050	mg/L	112		70-130	NA	0-20			LFM
	9126	MANGANESE	0.045	0.098		0.050	mg/L	106		70-130	NA	0-20			LFM
200.8_150306WW															
	8547	CADMIUM	ND	0.054		0.050	mg/L	108		70-130	NA	0-20			LFM
	8547	CHROMIUM	0.003	0.055		0.050	mg/L	104		70-130	NA	0-20			LFM
	8547	COPPER	0.009	0.062		0.050	mg/L	106		70-130	NA	0-20			LFM
	8547	LEAD	0.004	0.059		0.050	mg/L	110		70-130	NA	0-20			LFM
	8547	SELENIUM	0.0008	0.053		0.050	mg/L	104		70-130	NA	0-20			LFM
	8547	SILVER	ND	0.036		0.050	mg/L	72		70-130	NA	0-20			LFM
	8547	ZINC	0.176	0.248		0.050	mg/L	144		70-130	NA	0-20	IM		LFM
	8840	BARIUM	0.036	0.091		0.050	mg/L	110		70-130	NA	0-20			LFM
	8840	CADMIUM	ND	0.054		0.050	mg/L	108		70-130	NA	0-20			LFM
	8840	CHROMIUM	0.0004	0.0508		0.050	mg/L	101		70-130	NA	0-20			LFM
	8840	COPPER	0.0006	0.054		0.050	mg/L	107		70-130	NA	0-20			LFM
	8840	LEAD	ND	0.055		0.050	mg/L	110		70-130	NA	0-20			LFM
	8840	SELENIUM	0.0005	0.0504		0.050	mg/L	100		70-130	NA	0-20			LFM
	8840	SILVER	ND	0.050		0.050	mg/L	100		70-130	NA	0-20			LFM
	8840	ZINC	ND	0.054		0.050	mg/L	108		70-130	NA	0-20			LFM
	9126	BARIUM	0.002	0.056		0.050	mg/L	108		70-130	NA	0-20			LFM
	9126	CADMIUM	ND	0.054		0.050	mg/L	108		70-130	NA	0-20			LFM
	9126	CHROMIUM	0.001	0.051		0.050	mg/L	100		70-130	NA	0-20			LFM
	9126	COPPER	0.012	0.065		0.050	mg/L	106		70-130	NA	0-20			LFM
	9126	LEAD	0.0002	0.055		0.050	mg/L	110		70-130	NA	0-20			LFM
310.2_150304															
	8531	ALKALINITY	298	526	524	250	mg CaCO3/91	90		70-130	0.9	0-20			LFM
	9169	BICARBONATE	254	389	391	250	mg CaCO3/54	55		70-130	1.5	0-20	IM		LFM
	9170	BICARBONATE	158	294	290	250	mg CaCO3/54	53		70-130	3.0	0-20	IM		LFM
7470A_150309															
	9641	MERCURY	ND	0.00168	0.00169	0.00167	mg/L	101	101	70-130	0.6	0-20			LFM
8081W_150309															

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery			Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD	Qualifier				Type		
	8844	4,4' - DDD		0.64		0.5	ug/L	128	NA	78-132	NA	0-0			LFM	
	8844	4,4' - DDE		0.59		0.5	ug/L	118	NA	73-127	NA	0-0			LFM	
	8844	4,4' - DDT		0.58		0.5	ug/L	116	NA	56-158	NA	0-0			LFM	
	8844	ALDRIN		0.6		0.5	ug/L	120	NA	68-128	NA	0-0			LFM	
	8844	ALPHA-CHLORDANE		0.55		0.5	ug/L	110	NA	70-130	NA	0-0			LFM	
	8844	BHC, ALPHA -		0.61		0.5	ug/L	122	NA	37-134	NA	0-0			LFM	
	8844	BHC, BETA -		0.54		0.5	ug/L	108	NA	17-147	NA	0-0			LFM	
	8844	BHC, DELTA -		0.54		0.5	ug/L	108	NA	32-127	NA	0-0			LFM	
	8844	DIELDRIN		0.62		0.5	ug/L	124	NA	74-134	NA	0-0			LFM	
	8844	ENDOSULFAN I		0.59		0.5	ug/L	118	NA	67-133	NA	0-0			LFM	
	8844	ENDOSULFAN II		0.6		0.5	ug/L	120	NA	64-142	NA	0-0			LFM	
	8844	ENDOSULFAN SULFATE		0.65		0.5	ug/L	130	NA	71-143	NA	0-0			LFM	
	8844	ENDRIN		0.65		0.5	ug/L	130	NA	30-147	NA	0-0			LFM	
	8844	ENDRIN ALDEHYDE		0.57		0.5	ug/L	114	NA	70-130	NA	0-0			LFM	
	8844	ENDRIN KETONE		0.64		0.5	ug/L	128	NA	70-130	NA	0-0			LFM	
	8844	GAMMA-CHLORDANE		0.58		0.5	ug/L	116	NA	74-124	NA	0-0			LFM	
	8844	HEPTACHLOR		0.64		0.5	ug/L	128	NA	61-133	NA	0-0			LFM	
	8844	HEPTACHLOR EPOXIDE "B"		0.62		0.5	ug/L	124	NA	73-127	NA	0-0			LFM	
	8844	LINDANE (BHC - GAMMA)		0.6		0.5	ug/L	120	NA	19-140	NA	0-0			LFM	
	8844	METHOXYCHLOR		0.55		0.5	ug/L	110	NA	41-157	NA	0-0			LFM	
8260W_150306																
	8842	1,1 - DICHLOROETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM	
	8842	1,1 - DICHLOROETHYLENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM	
	8842	1,1 - DICHLOROPROPENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM	
	8842	1,1,1 - TRICHLOROETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM	
	8842	1,1,1,2 - TETRACHLOROETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM	
	8842	1,1,2 - TRICHLOROETHANE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM	
	8842	1,1,2,2 - TETRACHLOROETHANE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM	
	8842	1,2 - DICHLOROBENZENE (ortho)	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM	
	8842	1,2 - DICHLOROETHANE	ND	4.0		4	ug/L	100	NA	70-130	NA	0-20			LFM	
	8842	1,2 - DICHLOROPROPANE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM	
	8842	1,2,3 - TRICHLOROBENZENE	ND	2.9		4	ug/L	73	NA	70-130	NA	0-20			LFM	
	8842	1,2,3 - TRICHLOROPROPANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM	
	8842	1,2,4 - TRICHLOROBENZENE	ND	2.9		4	ug/L	73	NA	70-130	NA	0-20			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	8842	1,2,4 - TRIMETHYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	1,2-DIBROMO-3-CHLOROPROPANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	8842	1,3 - DICHLOROBENZENE (meta)	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	1,3 - DICHLOROPROPANE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	1,3,5 - TRIMETHYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	1,4 - DICHLOROBENZENE (para)	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	2,2 - DICHLOROPROPANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	8842	BENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	8842	BROMOBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	BROMOCHLOROMETHANE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	8842	BROMODICHLOROMETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	8842	BROMOFORM	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	BROMOMETHANE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20			LFM
	8842	CARBON TETRACHLORIDE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	8842	CHLOROBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	CHLOROETHANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20			LFM
	8842	CHLOROFORM	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20			LFM
	8842	CHLOROMETHANE	ND	2.6		4	ug/L	65	NA	70-130	NA	0-20	M2		LFM
	8842	CIS - 1,2 - DICHLOROETHENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	8842	CIS - 1,3 - DICHLOROPROPENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	8842	DIBROMOCHLOROMETHANE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	DIBROMOMETHANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20			LFM
	8842	DICHLORODIFLUOROMETHANE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	ETHYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	HEXACHLOROBUTADIENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	8842	ISOPROPYLBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	M,P- XYLENE	ND	6.0		8	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	METHYL TERT-BUTYL ETHER	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20			LFM
	8842	METHYLENE CHLORIDE	ND	2.8		4	ug/L	70	NA	70-130	NA	0-20			LFM
	8842	N - BUTYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	8842	N - PROPYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	NAPHTHALENE	ND	2.8		4	ug/L	70	NA	70-130	NA	0-20			LFM
	8842	O - CHLOROTOLUENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	O - XYLENE	ND	2.9		4	ug/L	73	NA	70-130	NA	0-20			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	8842	P - CHLOROTOLUENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	P - ISOPROPYLTOLUENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	8842	SEC - BUTYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	STYRENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	8842	TERT - BUTYLBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	TETRACHLOROETHYLENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	8842	TOLUENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	8842	TRANS - 1,2 - DICHLOROETHENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	8842	TRANS - 1,3 - DICHLOROPROPENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	8842	TRICHLOROETHENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	8842	TRICHLOROFUOROMETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	8842	VINYL CHLORIDE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
I150303A	8855	CHLORIDE	3.69	4.68		1	mg/L	99		90-110	NA	0-20			LFM
	8855	FLUORIDE	0.24	1.24		1	mg/L	100		90-110	NA	0-20			LFM
	8855	NITRATE-N	ND	1.03		1	mg/L	103		90-110	NA	0-20			LFM
	8999	NITRATE-N	ND	1.02		1	mg/L	102		90-110	NA	0-20			LFM

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 15-03883

Report Date: 04/01/15

Qualifier	Definition
IM	Matrix induced bias assumed
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

25070

Report to: Walla Walla Basin Watershed Cour
 Ship Address: 810 S Main Street
 City: Milton-Freewe St. OR Zip: 97862
 Attn: Steven Patten
 Phone: 541.938-2170 FAX:
 Email: steven.patten@wwbc.org
 Project: Stiller Pond Site

Bill to: Walla Walla Basin Watershed Counc
 Address: 810 South Main Street
 City: Milton-Freewe St. OR Zip: 97862
 Phone:
 P.O.#:
 Visa M/C A/E Expires /
 Card#:

15-03883
 8840 - 8844

ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Wahut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wiltonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag, Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B.2b (Surface water)	Number of Containers	Special Instructions Conditions on Receipt
1	GLW-147	STILLER POND	GLW	3-24	9:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
2	GLW-146	STILLER POND	GLW	3-24	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
3	GLW-136	STILLER POND	GLW	3-24	11:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
4	FOOTAKE	STILLER POND	SLW	3-24	15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
5	GLW-145	STILLER POND	GLW	3-24	11:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

*SEE OAR P
FOR DETECTION
FOR LIMITS*

Sampled by: **STEVEN PATTEN** Phone: **541-938-2170** FAX: **SAME** Email: **SEE ABOVE** Total Containers

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: *[Signature]* Date: **3-24** Time: **12:30** Received by: *[Signature]* Date: **3.3.15** Time: **0850**

Custody seals intact Yes No N/A
 Sample temp **05** C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A

25070



ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
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 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to:	Walla Walla Basin Watershed Cour	Bill to:	Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address:	810 S Main Street	Address:	810 South Main Street	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
City:	Milton-Freewe; St.	City:	Milton-Freewe St.	City:	OR
Attn:	Steven Patten	Phone:		Zip:	97862
Phone:	541.938-2170 FAX:	P.O.#:		Attn:	
Email:	steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires	/	
Project:	Stiller Pond Site	Card#:			

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	8081 (Chlorinated Pesticides)	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B.2b (Surface water)	Number of Containers	Special Instructions Conditions on Receipt
1	GLW-117	6	GLW	3-2-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
2	GLW-116	6	GLW	3-2-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
3	GLW-136	6	GLW	3-2-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
4	INSTAKE	6	SW	3-2-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
5	GLW-115	6	GLW	3-2-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

SEE APP FOR DECISIONS FOR JARRETS

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: SAME Email: SEE ABOVE Total Containers

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other

Relinquished by	Date	Time	Received by	Date	Time
<u>SPATTEN</u>	<u>3-2-15</u>	<u>12:30</u>	<u>URS</u>	<u>3-3-15</u>	<u>0450</u>

Custody seals intact Yes No N/A
 Sample temp 14 C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A



CO025070

March 12, 2015

Vista Project I.D.: 1500215

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 03, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1500215

Case Narrative

Sample Condition on Receipt:

Five groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	32
Certifications.....	33
Sample Receipt.....	34

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1500215-01	GW-147	02-Mar-15 09:30	03-Mar-15 09:27	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500215-02	GW-146	02-Mar-15 10:15	03-Mar-15 09:27	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500215-03	GW-145	02-Mar-15 11:40	03-Mar-15 09:27	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500215-04	GW-136	02-Mar-15 11:05	03-Mar-15 09:27	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500215-05	INTAKE	02-Mar-15 11:15	03-Mar-15 09:27	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B5C0013
Date Extracted: 05-Mar-2015 8:41Lab Sample: B5C0013-BLK1
Date Analyzed: 06-Mar-15 17:47 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.56			PCB-43/49	ND	1.17		
PCB-2	ND	1.36			PCB-44	ND	1.51		
PCB-3	ND	1.36			PCB-45	ND	1.28		
PCB-4/10	ND	5.48			PCB-46	ND	1.40		
PCB-5/8	ND	4.28			PCB-47	ND	1.10		
PCB-6	ND	4.39			PCB-48/75	ND	0.992		
PCB-7/9	ND	4.34			PCB-50	ND	1.28		
PCB-11	ND	3.90			PCB-51	ND	1.15		
PCB-12/13	ND	3.95			PCB-52/69	ND		1.81	
PCB-14	ND	3.40			PCB-53	ND	1.17		
PCB-15	ND	3.47			PCB-54	ND	0.974		
PCB-16/32	ND	0.928			PCB-55	ND	0.779		
PCB-17	ND	1.02			PCB-56/60	ND	0.866		
PCB-18	ND	1.10			PCB-57	ND	0.905		
PCB-19	ND	1.23			PCB-58	ND	0.892		
PCB-20/21/33	ND	1.04			PCB-61/70	ND	0.901		
PCB-22	ND	1.03			PCB-62	ND	0.969		
PCB-23	ND	0.995			PCB-63	ND	0.872		
PCB-24/27	ND	0.749			PCB-65	ND	0.999		
PCB-25	ND	1.10			PCB-66/76	ND	0.859		
PCB-26	ND	0.972			PCB-67	ND	0.929		
PCB-28	ND	0.973			PCB-68	ND	0.817		
PCB-29	ND	0.995			PCB-73	ND	0.943		
PCB-30	ND	0.779			PCB-74	ND	0.836		
PCB-31	ND	0.961			PCB-77	ND	0.882		
PCB-34	ND	0.925			PCB-78	ND	0.973		
PCB-35	ND	0.978			PCB-79	ND	0.826		
PCB-36	ND	0.946			PCB-80	ND	0.723		
PCB-37	ND	0.911			PCB-81	ND	0.888		
PCB-38	ND	0.989			PCB-82	ND	3.22		
PCB-39	ND	0.974			PCB-83	ND	1.77		
PCB-40	ND	1.53			PCB-84/92	ND	2.43		
PCB-41/64/71/72	ND	0.983			PCB-85/116	ND	2.11		
PCB-42/59	ND	1.06			PCB-86	ND	2.84		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B5C0013
Date Extracted: 05-Mar-2015 8:41Lab Sample: B5C0013-BLK1
Date Analyzed: 06-Mar-15 17:47 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.84			PCB-133/142	ND	1.36		
PCB-88/91	ND	2.38			PCB-134/143	ND	1.32		
PCB-89	ND	2.62			PCB-135	ND	2.08		
PCB-90/101	ND	2.16			PCB-136	ND	1.45		
PCB-93	ND	2.52			PCB-137	ND	1.28		
PCB-94	ND	2.37			PCB-138/163/164	ND	1.03		
PCB-95/98/102	ND	2.07			PCB-139/149	ND	1.91		
PCB-96	ND	1.89			PCB-140	ND	2.14		
PCB-97	ND	2.26			PCB-141	ND	1.30		
PCB-99	ND	2.09			PCB-144	ND	1.94		
PCB-100	ND	2.15			PCB-145	ND	1.52		
PCB-103	ND	2.13			PCB-146/165	ND	1.14		
PCB-104	ND	1.64			PCB-147	ND	2.13		
PCB-105	ND	0.997			PCB-148	ND	2.03		
PCB-106/118	ND	1.80			PCB-150	ND	1.47		
PCB-107/109	ND	1.79			PCB-151	ND	2.03		
PCB-108/112	ND	2.09			PCB-152	ND	1.42		
PCB-110	ND	1.72			PCB-153	ND	1.03		
PCB-111/115	ND	1.58			PCB-154	ND	1.87		
PCB-113	ND	1.95			PCB-155	ND	1.39		
PCB-114	ND	1.05			PCB-156	ND	0.886		
PCB-119	ND	1.56			PCB-157	ND	0.911		
PCB-120	ND	1.48			PCB-158/160	ND	0.963		
PCB-121	ND	1.52			PCB-159	ND	0.929		
PCB-122	ND	1.25			PCB-166	ND	0.994		
PCB-123	ND	1.91			PCB-167	ND	0.966		
PCB-124	ND	1.83			PCB-168	ND	0.909		
PCB-126	ND	1.21			PCB-169	ND	1.07		
PCB-127	ND	1.22			PCB-170	ND	0.816		
PCB-128/162	ND	1.10			PCB-171	ND	0.782		
PCB-129	ND	1.44			PCB-172	ND	0.841		
PCB-130	ND	1.64			PCB-173	ND	1.03		
PCB-131	ND	1.46			PCB-174	ND	0.884		
PCB-132/161	ND	1.10			PCB-175	ND	0.962		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B5C0013	Lab Sample: B5C0013-BLK1
Sample Size: 1.00 L	Date Extracted: 05-Mar-2015 8:41	Date Analyzed: 06-Mar-15 17:47 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.692			Total triCB	ND	1.23		
PCB-177	ND	0.899			Total tetraCB	ND		1.81	
PCB-178	ND	0.937			Total pentaCB	ND	3.22		
PCB-179	ND	0.724			Total hexaCB	ND	2.14		
PCB-180	ND	0.786			Total heptaCB	ND	1.03		
PCB-181	ND	0.844			Total octaCB	ND	1.63		
PCB-182/187	ND	0.886			Total nonaCB	ND	1.69		
PCB-183	ND	0.823			DecaCB	ND	0.942		
PCB-184	ND	0.753			Total PCB	ND			
PCB-185	ND	0.811							
PCB-186	ND	0.691							
PCB-188	ND	0.662							
PCB-189	ND	0.597							
PCB-190	ND	0.606							
PCB-191	ND	0.612							
PCB-192	ND	0.655							
PCB-193	ND	0.615							
PCB-194	ND	1.11							
PCB-195	ND	1.26							
PCB-196/203	ND	1.45							
PCB-197	ND	1.03							
PCB-198	ND	1.60							
PCB-199	ND	1.63							
PCB-200	ND	1.16							
PCB-201	ND	1.10							
PCB-202	ND	1.18							
PCB-204	ND	1.12							
PCB-205	ND	0.888							
PCB-206	ND	1.69							
PCB-207	ND	0.787							
PCB-208	ND	0.797							
PCB-209	ND	0.942							
Total monoCB	ND	1.56							
Total diCB	ND	5.48							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B5C0013	Lab Sample: B5C0013-BLK1
Sample Size: 1.00 L	Date Extracted: 05-Mar-2015 8:41	Date Analyzed: 06-Mar-15 17:47 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.6	5-145		13C-PCB-157	100	10-145	
13C-PCB-3	85.0	5-145		13C-PCB-159	95.7	10-145	
13C-PCB-4	66.2	5-145		13C-PCB-167	99.0	10-145	
13C-PCB-11	81.2	5-145		13C-PCB-169	91.1	10-145	
13C-PCB-9	69.9	5-145		13C-PCB-170	93.7	10-145	
13C-PCB-19	87.4	5-145		13C-PCB-180	96.0	10-145	
13C-PCB-28	83.0	5-145		13C-PCB-188	85.9	10-145	
13C-PCB-32	94.7	5-145		13C-PCB-189	89.6	10-145	
13C-PCB-37	99.9	5-145		13C-PCB-194	101	10-145	
13C-PCB-47	87.2	5-145		13C-PCB-202	93.6	10-145	
13C-PCB-52	94.0	5-145		13C-PCB-206	98.0	10-145	
13C-PCB-54	79.9	5-145		13C-PCB-208	107	10-145	
13C-PCB-70	93.6	5-145		13C-PCB-209	97.2	10-145	
13C-PCB-77	86.5	10-145		CRS 13C-PCB-79	89.1	10-145	
13C-PCB-80	95.8	10-145		13C-PCB-178	93.8	10-145	
13C-PCB-81	84.8	10-145					
13C-PCB-95	105	10-145					
13C-PCB-97	103	10-145					
13C-PCB-101	101	10-145					
13C-PCB-104	99.6	10-145					
13C-PCB-105	103	10-145					
13C-PCB-114	99.2	10-145					
13C-PCB-118	96.6	10-145					
13C-PCB-123	98.2	10-145					
13C-PCB-126	102	10-145					
13C-PCB-127	96.3	10-145					
13C-PCB-138	95.6	10-145					
13C-PCB-141	91.3	10-145					
13C-PCB-153	95.5	10-145					
13C-PCB-155	89.0	10-145					
13C-PCB-156	98.4	10-145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B5C0013
Date Extracted: 05-Mar-2015 8:41Lab Sample: B5C0013-BS1
Date Analyzed: 06-Mar-15 15:38 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	771	1000	77.1	60 - 135	IS 13C-PCB-1	105	15 - 145
PCB-3	775	1000	77.5	60 - 135	IS 13C-PCB-3	108	15 - 145
PCB-4/10	1680	2000	84.2	60 - 135	IS 13C-PCB-4	79.6	15 - 145
PCB-15	878	1000	87.8	60 - 135	IS 13C-PCB-11	84.5	15 - 145
PCB-19	951	1000	95.1	60 - 135	IS 13C-PCB-9	80.5	15 - 145
PCB-37	935	1000	93.5	60 - 135	IS 13C-PCB-19	97.2	15 - 145
PCB-54	1020	1000	102	60 - 135	IS 13C-PCB-28	78.4	15 - 145
PCB-77	1040	1000	104	60 - 135	IS 13C-PCB-32	95.9	15 - 145
PCB-81	1010	1000	101	60 - 135	IS 13C-PCB-37	94.5	15 - 145
PCB-104	913	1000	91.3	60 - 135	IS 13C-PCB-47	92.9	15 - 145
PCB-105	832	1000	83.2	60 - 135	IS 13C-PCB-52	94.3	15 - 145
PCB-106/118	1840	2000	92.0	60 - 135	IS 13C-PCB-54	86.1	15 - 145
PCB-114	918	1000	91.8	60 - 135	IS 13C-PCB-70	91.4	15 - 145
PCB-123	920	1000	92.0	60 - 135	IS 13C-PCB-77	87.2	40 - 145
PCB-126	858	1000	85.8	60 - 135	IS 13C-PCB-80	89.9	40 - 145
PCB-155	912	1000	91.2	60 - 135	IS 13C-PCB-81	86.0	40 - 145
PCB-156	904	1000	90.4	60 - 135	IS 13C-PCB-95	98.4	40 - 145
PCB-157	915	1000	91.5	60 - 135	IS 13C-PCB-97	95.2	40 - 145
PCB-167	912	1000	91.2	60 - 135	IS 13C-PCB-101	92.6	40 - 145
PCB-169	926	1000	92.6	60 - 135	IS 13C-PCB-104	96.6	40 - 145
PCB-188	970	1000	97.0	60 - 135	IS 13C-PCB-105	92.9	40 - 145
PCB-189	962	1000	96.2	60 - 135	IS 13C-PCB-114	93.9	40 - 145
PCB-202	1010	1000	101	60 - 135	IS 13C-PCB-118	88.5	40 - 145
PCB-205	862	1000	86.2	60 - 135	IS 13C-PCB-123	93.6	40 - 145
PCB-206	960	1000	96.0	60 - 135	IS 13C-PCB-126	95.9	40 - 145
PCB-208	948	1000	94.8	60 - 135	IS 13C-PCB-127	93.1	40 - 145
PCB-209	943	1000	94.3	60 - 135	IS 13C-PCB-138	90.6	40 - 145
					IS 13C-PCB-141	90.7	40 - 145
					IS 13C-PCB-153	91.1	40 - 145
					IS 13C-PCB-155	80.8	40 - 145
					IS 13C-PCB-156	96.5	40 - 145
					IS 13C-PCB-157	98.3	40 - 145
					IS 13C-PCB-159	90.2	40 - 145
					IS 13C-PCB-167	95.4	40 - 145
					IS 13C-PCB-169	90.8	40 - 145
					IS 13C-PCB-170	93.2	40 - 145
					IS 13C-PCB-180	93.0	40 - 145
					IS 13C-PCB-188	79.7	40 - 145
					IS 13C-PCB-189	89.7	40 - 145
					IS 13C-PCB-194	98.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B5C0013
Date Extracted: 05-Mar-2015 8:41

Lab Sample: B5C0013-BS1
Date Analyzed: 06-Mar-15 15:38 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	91.3	40 - 145
					IS 13C-PCB-206	90.0	40 - 145
					IS 13C-PCB-208	98.3	40 - 145
					IS 13C-PCB-209	84.6	40 - 145
					CRS 13C-PCB-79	84.4	40 - 145
					CRS 13C-PCB-178	90.8	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-147

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-01	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 9:30					Date Analyzed:	09-Mar-15 15:00 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	31.0				PCB-44	17.6			
PCB-2	1.71			J	PCB-45	ND		4.85	
PCB-3	10.2				PCB-46	ND		2.44	
PCB-4/10	88.1				PCB-47	ND		4.30	
PCB-5/8	168				PCB-48/75	3.64			J
PCB-6	30.9				PCB-50	ND	1.67		
PCB-7/9	15.2				PCB-51	ND		1.48	
PCB-11	13.2				PCB-52/69	12.9			
PCB-12/13	ND	5.64			PCB-53	4.69			J
PCB-14	ND	4.87			PCB-54	ND	1.27		
PCB-15	34.0				PCB-55	ND	0.935		
PCB-16/32	72.5				PCB-56/60	3.48			J
PCB-17	39.6				PCB-57	ND	1.02		
PCB-18	108				PCB-58	ND	1.00		
PCB-19	14.8				PCB-61/70	5.81			J
PCB-20/21/33	56.6				PCB-62	ND	1.21		
PCB-22	27.4				PCB-63	ND	0.978		
PCB-23	ND	0.800			PCB-65	ND	1.24		
PCB-24/27	7.79			J	PCB-66/76	ND		4.17	
PCB-25	6.64				PCB-67	ND	1.04		
PCB-26	13.0				PCB-68	ND	1.02		
PCB-28	54.5				PCB-73	ND	1.17		
PCB-29	ND	0.800			PCB-74	2.46			J
PCB-30	ND	1.20			PCB-77	ND	1.09		
PCB-31	58.3				PCB-78	ND	1.11		
PCB-34	ND	0.744			PCB-79	ND	0.992		
PCB-35	ND	0.694			PCB-80	ND	0.869		
PCB-36	ND	0.670			PCB-81	ND	1.01		
PCB-37	7.16				PCB-82	ND	4.12		
PCB-38	ND	0.702			PCB-83	ND	2.20		
PCB-39	ND	0.691			PCB-84/92	ND	3.20		
PCB-40	3.66			J	PCB-85/116	ND	2.63		
PCB-41/64/71/72	12.3			J	PCB-86	ND	3.54		
PCB-42/59	ND		5.51		PCB-87/117/125	ND	2.30		
PCB-43/49	9.86				PCB-88/91	ND	3.35		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-01
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 9:30			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 15:00
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.44			PCB-136	ND	2.51		
PCB-90/101	ND	2.84			PCB-137	ND	1.64		
PCB-93	ND	3.55			PCB-138/163/164	ND	1.36		
PCB-94	ND	3.33			PCB-139/149	ND	3.30		
PCB-95/98/102	3.42			J	PCB-140	ND	3.69		
PCB-96	ND	2.59			PCB-141	ND	1.67		
PCB-97	ND	2.82			PCB-144	ND	3.35		
PCB-99	ND	2.74			PCB-145	ND	2.63		
PCB-100	ND	2.94			PCB-146/165	ND	1.53		
PCB-103	ND	2.93			PCB-147	ND	3.68		
PCB-104	ND	2.24			PCB-148	ND	3.51		
PCB-105	ND	1.11			PCB-150	ND	2.54		
PCB-106/118	ND	2.15			PCB-151	ND	3.51		
PCB-107/109	ND	2.29			PCB-152	ND	2.46		
PCB-108/112	ND	2.60			PCB-153	ND	1.38		
PCB-110	ND	2.15			PCB-154	ND	3.22		
PCB-111/115	ND	1.97			PCB-155	ND	2.40		
PCB-113	ND	2.56			PCB-156	ND	1.06		
PCB-114	ND	1.14			PCB-157	ND	1.23		
PCB-119	ND	1.95			PCB-158/160	ND	1.27		
PCB-120	ND	1.84			PCB-159	ND	1.25		
PCB-121	ND	2.14			PCB-166	ND	1.34		
PCB-122	ND	1.36			PCB-167	ND	1.31		
PCB-123	ND	2.44			PCB-168	ND	1.22		
PCB-124	ND	2.34			PCB-169	ND	1.47		
PCB-126	ND	1.12			PCB-170	ND	1.41		
PCB-127	ND	1.27			PCB-171	ND	1.43		
PCB-128/162	ND	1.48			PCB-172	ND	1.53		
PCB-129	ND	1.90			PCB-173	ND	1.88		
PCB-130	ND	2.10			PCB-174	ND	1.61		
PCB-131	ND	1.96			PCB-175	ND	1.42		
PCB-132/161	ND	1.48			PCB-176	ND	1.02		
PCB-133/142	ND	1.82			PCB-177	ND	1.64		
PCB-134/143	ND	1.78			PCB-178	ND	1.38		
PCB-135	ND	3.60			PCB-179	ND	1.07		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-01
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 9:30			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 15:00
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.43			Total octaCB	ND	4.24		
PCB-181	ND	1.54			Total nonaCB	ND	1.77		
PCB-182/187	ND	1.31			DecaCB	ND	1.37		
PCB-183	ND	1.21			Total PCB	938			
PCB-184	ND	1.11							
PCB-185	ND	1.48							
PCB-186	ND	1.02							
PCB-188	ND	0.977							
PCB-189	ND	1.11							
PCB-190	ND	1.05							
PCB-191	ND	1.12							
PCB-192	ND	1.19							
PCB-193	ND	1.12							
PCB-194	ND	0.888							
PCB-195	ND	1.01							
PCB-196/203	ND	3.80							
PCB-197	ND	2.70							
PCB-198	ND	4.17							
PCB-199	ND	4.24							
PCB-200	ND	3.04							
PCB-201	ND	2.87							
PCB-202	ND	3.09							
PCB-204	ND	2.93							
PCB-205	ND	0.713							
PCB-206	ND	1.77							
PCB-207	ND	0.833							
PCB-208	ND	0.844							
PCB-209	ND	1.37							
Total monoCB	42.9								
Total diCB	349								
Total triCB	466								
Total tetraCB	76.5		99.3						
Total pentaCB	3.42			J					
Total hexaCB	ND	3.69							
Total heptaCB	ND	1.88							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-01
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 9:30			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 15:00
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	54.8	5 -145		13C-PCB-170	59.1	10 -145	
13C-PCB-3	60.9	5 -145		13C-PCB-180	59.8	10 -145	
13C-PCB-4	75.7	5 -145		13C-PCB-188	60.7	10 -145	
13C-PCB-11	85.1	5 -145		13C-PCB-189	52.6	10 -145	
13C-PCB-9	79.1	5 -145		13C-PCB-194	90.4	10 -145	
13C-PCB-19	59.3	5 -145		13C-PCB-202	45.1	10 -145	
13C-PCB-28	76.6	5 -145		13C-PCB-206	66.1	10 -145	
13C-PCB-32	61.3	5 -145		13C-PCB-208	74.8	10 -145	
13C-PCB-37	100	5 -145		13C-PCB-209	50.2	10 -145	
13C-PCB-47	83.4	5 -145		CRS 13C-PCB-79	87.9	10 -145	
13C-PCB-52	88.6	5 -145		13C-PCB-178	71.5	10 -145	
13C-PCB-54	73.6	5 -145					
13C-PCB-70	94.2	5 -145					
13C-PCB-77	83.2	10 -145					
13C-PCB-80	93.6	10 -145					
13C-PCB-81	83.5	10 -145					
13C-PCB-95	93.5	10 -145					
13C-PCB-97	98.8	10 -145					
13C-PCB-101	94.9	10 -145					
13C-PCB-104	85.4	10 -145					
13C-PCB-105	109	10 -145					
13C-PCB-114	112	10 -145					
13C-PCB-118	93.0	10 -145					
13C-PCB-123	94.0	10 -145					
13C-PCB-126	130	10 -145					
13C-PCB-127	110	10 -145					
13C-PCB-138	85.2	10 -145					
13C-PCB-141	85.9	10 -145					
13C-PCB-153	82.9	10 -145					
13C-PCB-155	69.1	10 -145					
13C-PCB-156	94.6	10 -145					
13C-PCB-157	84.3	10 -145					
13C-PCB-159	84.8	10 -145					
13C-PCB-167	85.6	10 -145					
13C-PCB-169	78.2	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-02	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	1.03 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 10:15					Date Analyzed :	09-Mar-15 16:04 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	25.8				PCB-44	16.8			
PCB-2	1.76			J	PCB-45	5.52			
PCB-3	9.11				PCB-46	3.53			J
PCB-4/10	78.8				PCB-47	ND		6.37	
PCB-5/8	150				PCB-48/75	3.90			J
PCB-6	30.4				PCB-50	ND	2.49		
PCB-7/9	12.7				PCB-51	2.19			J
PCB-11	14.3				PCB-52/69	14.9			
PCB-12/13	ND	5.53			PCB-53	5.00			
PCB-14	ND	4.77			PCB-54	ND	1.89		
PCB-15	29.4				PCB-55	ND	1.38		
PCB-16/32	62.4				PCB-56/60	5.22			J
PCB-17	31.9				PCB-57	ND	1.62		
PCB-18	93.9				PCB-58	ND	1.60		
PCB-19	11.8				PCB-61/70	7.10			J
PCB-20/21/33	48.9				PCB-62	ND	1.87		
PCB-22	24.3				PCB-63	ND	1.56		
PCB-23	ND	1.13			PCB-65	ND	1.93		
PCB-24/27	6.05			J	PCB-66/76	ND		5.33	
PCB-25	5.69				PCB-67	ND	1.67		
PCB-26	10.8				PCB-68	1.15			J
PCB-28	55.3				PCB-73	ND	1.89		
PCB-29	ND	1.13			PCB-74	ND		2.57	
PCB-30	ND	1.62			PCB-77	ND	1.34		
PCB-31	51.2				PCB-78	ND	1.31		
PCB-34	ND	1.05			PCB-79	ND	1.47		
PCB-35	ND	1.10			PCB-80	ND	1.29		
PCB-36	ND	1.06			PCB-81	ND	1.19		
PCB-37	6.81				PCB-82	ND	4.04		
PCB-38	ND	1.11			PCB-83	ND	2.48		
PCB-39	ND	1.09			PCB-84/92	ND	3.77		
PCB-40	3.89			J	PCB-85/116	ND	2.96		
PCB-41/64/71/72	13.5			J	PCB-86	ND	4.00		
PCB-42/59	5.00			J	PCB-87/117/125	ND	2.59		
PCB-43/49	9.34			J	PCB-88/91	ND	4.08		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-02	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	1.03 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 10:15					Date Analyzed :	09-Mar-15 16:04 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	4.05			PCB-136	ND	3.96		
PCB-90/101	ND	3.34			PCB-137	ND	1.37		
PCB-93	ND	4.32			PCB-138/163/164	ND	1.18		
PCB-94	ND	4.06			PCB-139/149	ND	5.20		
PCB-95/98/102	ND	3.56			PCB-140	ND	5.82		
PCB-96	ND	3.35			PCB-141	ND	1.40		
PCB-97	ND	3.18			PCB-144	ND	5.29		
PCB-99	ND	3.23			PCB-145	ND	4.14		
PCB-100	ND	3.80			PCB-146/165	ND	1.23		
PCB-103	ND	3.78			PCB-147	ND	5.81		
PCB-104	ND	2.90			PCB-148	ND	5.53		
PCB-105	ND	0.798			PCB-150	ND	4.01		
PCB-106/118	ND	2.19			PCB-151	ND	5.53		
PCB-107/109	ND	2.24			PCB-152	ND	3.87		
PCB-108/112	ND	2.94			PCB-153	ND	1.11		
PCB-110	ND	2.43			PCB-154	ND	5.08		
PCB-111/115	ND	2.22			PCB-155	ND	3.78		
PCB-113	ND	3.01			PCB-156	ND	0.970		
PCB-114	ND	0.948			PCB-157	ND	1.09		
PCB-119	ND	2.20			PCB-158/160	ND	1.11		
PCB-120	ND	2.08			PCB-159	ND	1.05		
PCB-121	ND	2.60			PCB-166	ND	1.12		
PCB-122	ND	1.13			PCB-167	ND	1.12		
PCB-123	ND	2.39			PCB-168	ND	0.984		
PCB-124	ND	2.30			PCB-169	ND	1.05		
PCB-126	ND	1.03			PCB-170	ND	1.40		
PCB-127	ND	0.968			PCB-171	ND	1.54		
PCB-128/162	ND	1.24			PCB-172	ND	1.65		
PCB-129	ND	1.65			PCB-173	ND	2.02		
PCB-130	ND	1.75			PCB-174	ND	1.73		
PCB-131	ND	1.58			PCB-175	ND	1.50		
PCB-132/161	ND	1.19			PCB-176	ND	1.08		
PCB-133/142	ND	1.47			PCB-177	ND	1.77		
PCB-134/143	ND	1.43			PCB-178	ND	1.46		
PCB-135	ND	5.67			PCB-179	ND	1.13		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-02	Date Received:	03-Mar-2015 9:27		
Project:	Stiller Pond	Sample Size:	1.03 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41		
Date Collected:	02-Mar-2015 10:15			Date Analyzed :	09-Mar-15 16:04	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.54			Total octaCB	ND	4.61		
PCB-181	ND	1.66			Total nonaCB	ND	1.48		
PCB-182/187	ND	1.38			DecaCB	ND	1.63		
PCB-183	ND	1.28			Total PCB	858			
PCB-184	ND	1.17							
PCB-185	ND	1.59							
PCB-186	ND	1.08							
PCB-188	ND	1.03							
PCB-189	ND	1.15							
PCB-190	ND	1.04							
PCB-191	ND	1.20							
PCB-192	ND	1.29							
PCB-193	ND	1.21							
PCB-194	ND	0.991							
PCB-195	ND	1.12							
PCB-196/203	ND	4.13							
PCB-197	ND	2.93							
PCB-198	ND	4.54							
PCB-199	ND	4.61							
PCB-200	ND	3.31							
PCB-201	ND	3.12							
PCB-202	ND	3.36							
PCB-204	ND	3.18							
PCB-205	ND	0.796							
PCB-206	ND	1.48							
PCB-207	ND	0.841							
PCB-208	ND	0.852							
PCB-209	ND	1.63							
Total monoCB	36.6								
Total diCB	315								
Total triCB	409								
Total tetraCB	97.0		111						
Total pentaCB	ND	4.32							
Total hexaCB	ND	5.82							
Total heptaCB	ND	2.02							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-02
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 10:15			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 16:04
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	41.0	5 -145		13C-PCB-170	52.8	10 -145	
13C-PCB-3	45.4	5 -145		13C-PCB-180	48.3	10 -145	
13C-PCB-4	58.5	5 -145		13C-PCB-188	52.8	10 -145	
13C-PCB-11	65.9	5 -145		13C-PCB-189	45.6	10 -145	
13C-PCB-9	60.4	5 -145		13C-PCB-194	78.4	10 -145	
13C-PCB-19	45.7	5 -145		13C-PCB-202	34.9	10 -145	
13C-PCB-28	58.1	5 -145		13C-PCB-206	67.9	10 -145	
13C-PCB-32	46.1	5 -145		13C-PCB-208	66.2	10 -145	
13C-PCB-37	72.4	5 -145		13C-PCB-209	41.0	10 -145	
13C-PCB-47	61.8	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	62.4	5 -145		13C-PCB-178	82.3	10 -145	
13C-PCB-54	56.6	5 -145					
13C-PCB-70	67.8	5 -145					
13C-PCB-77	78.2	10 -145					
13C-PCB-80	73.2	10 -145					
13C-PCB-81	83.4	10 -145					
13C-PCB-95	59.6	10 -145					
13C-PCB-97	70.7	10 -145					
13C-PCB-101	65.1	10 -145					
13C-PCB-104	52.6	10 -145					
13C-PCB-105	115	10 -145					
13C-PCB-114	103	10 -145					
13C-PCB-118	72.8	10 -145					
13C-PCB-123	73.5	10 -145					
13C-PCB-126	110	10 -145					
13C-PCB-127	109	10 -145					
13C-PCB-138	75.9	10 -145					
13C-PCB-141	74.5	10 -145					
13C-PCB-153	77.2	10 -145					
13C-PCB-155	38.3	10 -145					
13C-PCB-156	79.9	10 -145					
13C-PCB-157	71.5	10 -145					
13C-PCB-159	77.4	10 -145					
13C-PCB-167	73.9	10 -145					
13C-PCB-169	82.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-03	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	1.03 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 11:40					Date Analyzed :	09-Mar-15 17:09 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	39.9				PCB-44	18.0			
PCB-2	2.56			J	PCB-45	5.30			
PCB-3	13.8				PCB-46	2.40			J
PCB-4/10	110				PCB-47	8.54			
PCB-5/8	225				PCB-48/75	3.86			J
PCB-6	43.9				PCB-50	ND	1.62		
PCB-7/9	20.4				PCB-51	ND		1.47	
PCB-11	16.2				PCB-52/69	15.5			
PCB-12/13	ND	3.74			PCB-53	4.33			J
PCB-14	ND	3.22			PCB-54	ND	1.23		
PCB-15	40.7				PCB-55	ND	0.874		
PCB-16/32	89.9				PCB-56/60	4.37			J
PCB-17	44.8				PCB-57	ND	0.986		
PCB-18	134				PCB-58	ND	0.971		
PCB-19	16.9				PCB-61/70	6.95			J
PCB-20/21/33	63.2				PCB-62	ND	1.13		
PCB-22	31.0				PCB-63	ND	0.949		
PCB-23	ND	0.725			PCB-65	ND	1.17		
PCB-24/27	10.6				PCB-66/76	5.29			J
PCB-25	6.95				PCB-67	ND	1.01		
PCB-26	14.2				PCB-68	ND		1.62	
PCB-28	63.6				PCB-73	ND	1.09		
PCB-29	ND	0.725			PCB-74	3.09			J
PCB-30	ND	1.11			PCB-77	ND	0.922		
PCB-31	73.4				PCB-78	ND	1.02		
PCB-34	ND	0.674			PCB-79	ND	0.927		
PCB-35	ND	0.650			PCB-80	ND	0.812		
PCB-36	ND	0.628			PCB-81	ND	0.933		
PCB-37	7.44				PCB-82	ND	2.95		
PCB-38	ND	0.658			PCB-83	ND	1.86		
PCB-39	ND	0.648			PCB-84/92	ND	2.69		
PCB-40	ND		4.13		PCB-85/116	ND	2.22		
PCB-41/64/71/72	14.7			J	PCB-86	ND	2.99		
PCB-42/59	6.63			J	PCB-87/117/125	ND	1.94		
PCB-43/49	10.6				PCB-88/91	ND	2.93		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-03	Date Received:	03-Mar-2015 9:27		
Project:	Stiller Pond	Sample Size:	1.03 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41		
Date Collected:	02-Mar-2015 11:40			Date Analyzed:	09-Mar-15 17:09	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.90			PCB-136	ND	3.00		
PCB-90/101	2.83			J	PCB-137	ND	1.33		
PCB-93	ND	3.10			PCB-138/163/164	ND		1.52	
PCB-94	ND	2.91			PCB-139/149	ND	3.93		
PCB-95/98/102	3.52			J	PCB-140	ND	4.41		
PCB-96	ND	2.66			PCB-141	ND	1.36		
PCB-97	ND	2.38			PCB-144	ND	4.00		
PCB-99	ND	2.31			PCB-145	ND	3.13		
PCB-100	ND	3.01			PCB-146/165	ND	1.29		
PCB-103	ND	3.00			PCB-147	ND	4.40		
PCB-104	ND	2.30			PCB-148	ND	4.19		
PCB-105	ND	0.944			PCB-150	ND	3.04		
PCB-106/118	ND	1.70			PCB-151	ND	4.19		
PCB-107/109	ND	1.64			PCB-152	ND	2.93		
PCB-108/112	ND	2.20			PCB-153	ND	1.17		
PCB-110	2.96			J	PCB-154	ND	3.85		
PCB-111/115	ND	1.67			PCB-155	ND	2.86		
PCB-113	ND	2.15			PCB-156	ND	1.00		
PCB-114	ND	0.971			PCB-157	ND	1.05		
PCB-119	ND	1.65			PCB-158/160	ND	1.08		
PCB-120	ND	1.56			PCB-159	ND	1.01		
PCB-121	ND	1.87			PCB-166	ND	1.08		
PCB-122	ND	1.16			PCB-167	ND	1.03		
PCB-123	ND	1.75			PCB-168	ND	1.03		
PCB-124	ND	1.68			PCB-169	ND	1.23		
PCB-126	ND	1.05			PCB-170	ND	1.24		
PCB-127	ND	1.09			PCB-171	ND	1.18		
PCB-128/162	ND	1.19			PCB-172	ND	1.27		
PCB-129	ND	1.62			PCB-173	ND	1.56		
PCB-130	ND	1.70			PCB-174	ND	1.34		
PCB-131	ND	1.65			PCB-175	ND	1.24		
PCB-132/161	ND	1.25			PCB-176	ND	0.888		
PCB-133/142	ND	1.54			PCB-177	ND	1.36		
PCB-134/143	ND	1.50			PCB-178	ND	1.20		
PCB-135	ND	4.30			PCB-179	ND	0.929		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-03	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond	Sample Size:	1.03 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 11:40			Date Analyzed:	09-Mar-15 17:09	Column:	ZB-1
				Analyst:	DMS		

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.19			Total octaCB	ND	3.25		
PCB-181	ND	1.28			Total nonaCB	ND	1.30		
PCB-182/187	ND	1.14			DecaCB	ND	1.28		
PCB-183	ND	1.06			Total PCB	1190			
PCB-184	ND	0.966							
PCB-185	ND	1.23							
PCB-186	ND	0.887							
PCB-188	ND	0.850							
PCB-189	ND	0.929							
PCB-190	ND	0.922							
PCB-191	ND	0.925							
PCB-192	ND	0.991							
PCB-193	ND	0.930							
PCB-194	ND	0.829							
PCB-195	ND	0.940							
PCB-196/203	ND	2.90							
PCB-197	ND	2.06							
PCB-198	ND	3.19							
PCB-199	ND	3.25							
PCB-200	ND	2.33							
PCB-201	ND	2.20							
PCB-202	ND	2.36							
PCB-204	ND	2.24							
PCB-205	ND	0.665							
PCB-206	ND	1.30							
PCB-207	ND	0.588							
PCB-208	ND	0.596							
PCB-209	ND	1.28							
Total monoCB	56.2								
Total diCB	456								
Total triCB	556								
Total tetraCB	110		117						
Total pentaCB	9.30								
Total hexaCB	ND		1.52	J					
Total heptaCB	ND	1.56							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-03
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 11:40			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 17:09
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	48.7	5 -145		13C-PCB-170	52.9	10 -145	
13C-PCB-3	53.8	5 -145		13C-PCB-180	54.9	10 -145	
13C-PCB-4	70.1	5 -145		13C-PCB-188	56.5	10 -145	
13C-PCB-11	79.0	5 -145		13C-PCB-189	48.5	10 -145	
13C-PCB-9	72.0	5 -145		13C-PCB-194	90.0	10 -145	
13C-PCB-19	50.4	5 -145		13C-PCB-202	39.6	10 -145	
13C-PCB-28	70.4	5 -145		13C-PCB-206	64.2	10 -145	
13C-PCB-32	52.2	5 -145		13C-PCB-208	75.0	10 -145	
13C-PCB-37	93.6	5 -145		13C-PCB-209	45.6	10 -145	
13C-PCB-47	76.3	5 -145		CRS 13C-PCB-79	95.9	10 -145	
13C-PCB-52	84.0	5 -145		13C-PCB-178	65.6	10 -145	
13C-PCB-54	66.5	5 -145					
13C-PCB-70	86.5	5 -145					
13C-PCB-77	83.2	10 -145					
13C-PCB-80	85.5	10 -145					
13C-PCB-81	80.7	10 -145					
13C-PCB-95	83.5	10 -145					
13C-PCB-97	93.9	10 -145					
13C-PCB-101	90.0	10 -145					
13C-PCB-104	67.8	10 -145					
13C-PCB-105	104	10 -145					
13C-PCB-114	104	10 -145					
13C-PCB-118	92.6	10 -145					
13C-PCB-123	99.6	10 -145					
13C-PCB-126	113	10 -145					
13C-PCB-127	105	10 -145					
13C-PCB-138	78.0	10 -145					
13C-PCB-141	79.6	10 -145					
13C-PCB-153	76.5	10 -145					
13C-PCB-155	55.8	10 -145					
13C-PCB-156	77.6	10 -145					
13C-PCB-157	75.3	10 -145					
13C-PCB-159	79.0	10 -145					
13C-PCB-167	80.6	10 -145					
13C-PCB-169	69.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-04	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	1.02 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 11:05					Date Analyzed :	09-Mar-15 18:13 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	29.2				PCB-44	15.3			
PCB-2	1.85			J	PCB-45	5.15			
PCB-3	9.60				PCB-46	2.49			J
PCB-4/10	83.5				PCB-47	5.20			
PCB-5/8	163				PCB-48/75	3.17			J
PCB-6	29.9				PCB-50	ND	1.59		
PCB-7/9	14.6				PCB-51	ND		2.13	
PCB-11	13.9				PCB-52/69	11.0			
PCB-12/13	ND	5.07			PCB-53	4.57			J
PCB-14	ND	4.38			PCB-54	ND	1.21		
PCB-15	31.3				PCB-55	ND	0.823		
PCB-16/32	64.4				PCB-56/60	2.29			J
PCB-17	33.5				PCB-57	ND	0.993		
PCB-18	101				PCB-58	ND	0.978		
PCB-19	13.3				PCB-61/70	ND		5.01	
PCB-20/21/33	46.0				PCB-62	ND	1.17		
PCB-22	21.7				PCB-63	ND	0.956		
PCB-23	ND	0.762			PCB-65	ND	1.20		
PCB-24/27	7.24			J	PCB-66/76	3.71			J
PCB-25	5.40				PCB-67	ND	1.02		
PCB-26	11.0				PCB-68	ND	0.985		
PCB-28	43.7				PCB-73	ND	1.13		
PCB-29	ND	0.762			PCB-74	ND		1.63	
PCB-30	ND	1.14			PCB-77	ND	0.943		
PCB-31	49.9				PCB-78	ND	0.925		
PCB-34	ND	0.709			PCB-79	ND	0.873		
PCB-35	ND	0.663			PCB-80	ND	0.765		
PCB-36	ND	0.641			PCB-81	ND	0.844		
PCB-37	5.54				PCB-82	ND	3.97		
PCB-38	ND	0.671			PCB-83	ND	2.20		
PCB-39	ND	0.660			PCB-84/92	ND	3.07		
PCB-40	2.48			J	PCB-85/116	ND	2.63		
PCB-41/64/71/72	10.3			J	PCB-86	ND	3.54		
PCB-42/59	ND		4.05		PCB-87/117/125	ND	2.30		
PCB-43/49	ND		8.74		PCB-88/91	ND	3.34		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 11:05			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 18:13
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.31			PCB-136	ND	3.59		
PCB-90/101	ND	2.73			PCB-137	ND	1.57		
PCB-93	ND	3.54			PCB-138/163/164	ND	1.27		
PCB-94	ND	3.32			PCB-139/149	ND	4.72		
PCB-95/98/102	ND		2.62		PCB-140	ND	5.28		
PCB-96	ND	2.83			PCB-141	ND	1.60		
PCB-97	ND	2.82			PCB-144	ND	4.80		
PCB-99	ND	2.64			PCB-145	ND	3.75		
PCB-100	ND	3.20			PCB-146/165	ND	1.42		
PCB-103	ND	3.19			PCB-147	ND	5.27		
PCB-104	ND	2.44			PCB-148	ND	5.02		
PCB-105	ND	1.04			PCB-150	ND	3.64		
PCB-106/118	ND	2.05			PCB-151	ND	5.02		
PCB-107/109	ND	2.21			PCB-152	ND	3.51		
PCB-108/112	ND	2.60			PCB-153	ND	1.28		
PCB-110	ND		1.50		PCB-154	ND	4.61		
PCB-111/115	ND	1.97			PCB-155	ND	3.43		
PCB-113	ND	2.46			PCB-156	ND	1.13		
PCB-114	ND	1.12			PCB-157	ND	1.22		
PCB-119	ND	1.95			PCB-158/160	ND	1.19		
PCB-120	ND	1.84			PCB-159	ND	1.18		
PCB-121	ND	2.13			PCB-166	ND	1.27		
PCB-122	ND	1.33			PCB-167	ND	1.22		
PCB-123	ND	2.36			PCB-168	ND	1.13		
PCB-124	ND	2.26			PCB-169	ND	1.36		
PCB-126	ND	1.17			PCB-170	ND	1.82		
PCB-127	ND	1.24			PCB-171	ND	1.83		
PCB-128/162	ND	1.40			PCB-172	ND	1.97		
PCB-129	ND	1.77			PCB-173	ND	2.42		
PCB-130	ND	2.01			PCB-174	ND	2.07		
PCB-131	ND	1.82			PCB-175	ND	1.75		
PCB-132/161	ND	1.37			PCB-176	ND	1.26		
PCB-133/142	ND	1.69			PCB-177	ND	2.11		
PCB-134/143	ND	1.65			PCB-178	ND	1.71		
PCB-135	ND	5.15			PCB-179	ND	1.32		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 11:05			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 18:13
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.84			Total octaCB	ND	3.32		
PCB-181	ND	1.98			Total nonaCB	ND	1.69		
PCB-182/187	ND	1.62			DecaCB	ND	1.46		
PCB-183	ND	1.50			Total PCB	845			
PCB-184	ND	1.37							
PCB-185	ND	1.90							
PCB-186	ND	1.26							
PCB-188	ND	1.21							
PCB-189	ND	1.31							
PCB-190	ND	1.35							
PCB-191	ND	1.43							
PCB-192	ND	1.54							
PCB-193	ND	1.44							
PCB-194	ND	0.869							
PCB-195	ND	0.985							
PCB-196/203	ND	2.97							
PCB-197	ND	2.11							
PCB-198	ND	3.26							
PCB-199	ND	3.32							
PCB-200	ND	2.38							
PCB-201	ND	2.24							
PCB-202	ND	2.41							
PCB-204	ND	2.29							
PCB-205	ND	0.697							
PCB-206	ND	1.69							
PCB-207	ND	0.874							
PCB-208	ND	0.886							
PCB-209	ND	1.46							
Total monoCB	40.6								
Total diCB	337								
Total triCB	402								
Total tetraCB	65.6		87.2						
Total pentaCB	ND		4.12	J					
Total hexaCB	ND	5.28							
Total heptaCB	ND	2.42							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 11:05			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 18:13
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	50.7	5 -145		13C-PCB-170	60.1	10 -145	
13C-PCB-3	60.6	5 -145		13C-PCB-180	60.7	10 -145	
13C-PCB-4	78.8	5 -145		13C-PCB-188	67.1	10 -145	
13C-PCB-11	85.0	5 -145		13C-PCB-189	59.8	10 -145	
13C-PCB-9	80.7	5 -145		13C-PCB-194	95.2	10 -145	
13C-PCB-19	56.6	5 -145		13C-PCB-202	42.4	10 -145	
13C-PCB-28	78.5	5 -145		13C-PCB-206	69.0	10 -145	
13C-PCB-32	55.8	5 -145		13C-PCB-208	75.6	10 -145	
13C-PCB-37	100	5 -145		13C-PCB-209	55.0	10 -145	
13C-PCB-47	78.6	5 -145		CRS 13C-PCB-79	84.1	10 -145	
13C-PCB-52	84.4	5 -145		13C-PCB-178	64.8	10 -145	
13C-PCB-54	73.0	5 -145					
13C-PCB-70	88.7	5 -145					
13C-PCB-77	88.7	10 -145					
13C-PCB-80	97.0	10 -145					
13C-PCB-81	93.4	10 -145					
13C-PCB-95	88.1	10 -145					
13C-PCB-97	94.8	10 -145					
13C-PCB-101	94.1	10 -145					
13C-PCB-104	73.9	10 -145					
13C-PCB-105	126	10 -145					
13C-PCB-114	122	10 -145					
13C-PCB-118	94.1	10 -145					
13C-PCB-123	93.7	10 -145					
13C-PCB-126	132	10 -145					
13C-PCB-127	124	10 -145					
13C-PCB-138	89.9	10 -145					
13C-PCB-141	89.3	10 -145					
13C-PCB-153	89.6	10 -145					
13C-PCB-155	56.3	10 -145					
13C-PCB-156	90.4	10 -145					
13C-PCB-157	87.7	10 -145					
13C-PCB-159	89.3	10 -145					
13C-PCB-167	90.2	10 -145					
13C-PCB-169	80.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: INTAKE

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-05	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	0.956 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 11:15					Date Analyzed:	09-Mar-15 19:18 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	3.22			PCB-44	ND	3.19		
PCB-2	ND	2.67			PCB-45	ND	2.94		
PCB-3	ND	2.66			PCB-46	ND	3.22		
PCB-4/10	ND	7.17			PCB-47	ND	2.32		
PCB-5/8	ND	5.42			PCB-48/75	ND	2.09		
PCB-6	ND	5.56			PCB-50	ND	2.66		
PCB-7/9	ND	5.49			PCB-51	ND	2.63		
PCB-11	ND		7.85		PCB-52/69	4.76			J
PCB-12/13	ND	5.00			PCB-53	ND	2.69		
PCB-14	ND	4.31			PCB-54	ND	2.02		
PCB-15	ND	4.40			PCB-55	ND	1.48		
PCB-16/32	ND	2.24			PCB-56/60	ND	1.64		
PCB-17	ND	2.46			PCB-57	ND	1.42		
PCB-18	4.13			J	PCB-58	ND	1.40		
PCB-19	ND	3.02			PCB-61/70	ND		2.47	
PCB-20/21/33	ND	1.24			PCB-62	ND	2.05		
PCB-22	ND	1.24			PCB-63	ND	1.37		
PCB-23	ND	1.19			PCB-65	ND	2.11		
PCB-24/27	ND	1.81			PCB-66/76	ND	1.35		
PCB-25	ND	1.31			PCB-67	ND	1.46		
PCB-26	ND	1.16			PCB-68	ND	1.73		
PCB-28	ND		2.78		PCB-73	ND	2.17		
PCB-29	ND	1.19			PCB-74	ND	1.31		
PCB-30	ND	1.91			PCB-77	ND	1.40		
PCB-31	3.15			J	PCB-78	ND	1.47		
PCB-34	ND	1.11			PCB-79	ND	1.57		
PCB-35	ND	1.06			PCB-80	ND	1.37		
PCB-36	ND	1.02			PCB-81	ND	1.34		
PCB-37	ND	0.986			PCB-82	ND	5.88		
PCB-38	ND	1.07			PCB-83	ND	3.62		
PCB-39	ND	1.05			PCB-84/92	ND	5.00		
PCB-40	ND	3.24			PCB-85/116	ND	4.32		
PCB-41/64/71/72	ND	2.08			PCB-86	ND	5.83		
PCB-42/59	ND	2.25			PCB-87/117/125	ND	3.78		
PCB-43/49	ND	2.69			PCB-88/91	ND	6.24		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: INTAKE

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-05	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond	Sample Size:	0.956 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 11:15			Date Analyzed:	09-Mar-15 19:18	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	5.38			PCB-136	ND	5.14		
PCB-90/101	ND	4.44			PCB-137	ND	2.28		
PCB-93	ND	6.60			PCB-138/163/164	ND	1.71		
PCB-94	ND	6.20			PCB-139/149	ND	6.74		
PCB-95/98/102	ND	5.44			PCB-140	ND	7.55		
PCB-96	ND	5.13			PCB-141	ND	2.32		
PCB-97	ND	4.64			PCB-144	ND	6.86		
PCB-99	ND	4.29			PCB-145	ND	5.37		
PCB-100	ND	5.82			PCB-146/165	ND	2.08		
PCB-103	ND	5.79			PCB-147	ND	7.53		
PCB-104	ND	4.43			PCB-148	ND	7.18		
PCB-105	ND	1.08			PCB-150	ND	5.20		
PCB-106/118	2.10			J	PCB-151	ND	7.18		
PCB-107/109	ND	3.27			PCB-152	ND	5.02		
PCB-108/112	ND	4.28			PCB-153	ND	1.88		
PCB-110	ND	3.54			PCB-154	ND	6.59		
PCB-111/115	ND	3.24			PCB-155	ND	4.90		
PCB-113	ND	4.00			PCB-156	ND	1.64		
PCB-114	ND	1.24			PCB-157	ND	1.72		
PCB-119	ND	3.20			PCB-158/160	ND	1.60		
PCB-120	ND	3.03			PCB-159	ND	1.78		
PCB-121	ND	3.98			PCB-166	ND	1.90		
PCB-122	ND	1.47			PCB-167	ND	1.69		
PCB-123	ND	3.49			PCB-168	ND	1.66		
PCB-124	ND	3.35			PCB-169	ND	1.84		
PCB-126	ND	1.27			PCB-170	ND	2.26		
PCB-127	ND	1.29			PCB-171	ND	2.29		
PCB-128/162	ND	2.10			PCB-172	ND	2.46		
PCB-129	ND	2.38			PCB-173	ND	3.01		
PCB-130	ND	2.92			PCB-174	ND	2.58		
PCB-131	ND	2.67			PCB-175	ND	2.15		
PCB-132/161	ND	2.01			PCB-176	ND	1.55		
PCB-133/142	ND	2.48			PCB-177	ND	2.63		
PCB-134/143	ND	2.42			PCB-178	ND	2.09		
PCB-135	ND	7.36			PCB-179	ND	1.62		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: INTAKE

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1500215-05	Date Received:	03-Mar-2015 9:27
Project:	Stiller Pond		Sample Size:	0.956 L	QC Batch:	B5C0013	Date Extracted:	05-Mar-2015 8:41
Date Collected:	02-Mar-2015 11:15					Date Analyzed :	09-Mar-15 19:18 Column: ZB-1 Analyst: DMS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	2.30			Total octaCB	ND	4.34		
PCB-181	ND	2.47			Total nonaCB	ND	2.03		
PCB-182/187	ND	1.98			DecaCB	ND	1.80		
PCB-183	ND	1.84			Total PCB	14.1			
PCB-184	ND	1.68							
PCB-185	ND	2.37							
PCB-186	ND	1.55							
PCB-188	ND	1.48							
PCB-189	ND	1.67							
PCB-190	ND	1.68							
PCB-191	ND	1.79							
PCB-192	ND	1.91							
PCB-193	ND	1.80							
PCB-194	ND	1.22							
PCB-195	ND	1.38							
PCB-196/203	ND	3.88							
PCB-197	ND	2.76							
PCB-198	ND	4.26							
PCB-199	ND	4.34							
PCB-200	ND	3.11							
PCB-201	ND	2.93							
PCB-202	ND	3.15							
PCB-204	ND	2.99							
PCB-205	ND	0.978							
PCB-206	ND	2.03							
PCB-207	ND	0.980							
PCB-208	ND	0.994							
PCB-209	ND	1.80							
Total monoCB	ND	3.22							
Total diCB	ND		7.85						
Total triCB	7.28		10.1						
Total tetraCB	4.76		7.23						
Total pentaCB	2.10			J					
Total hexaCB	ND	7.55							
Total heptaCB	ND	3.01							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: INTAKE

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1500215-05
Project:	Stiller Pond	Sample Size:	0.956 L	Date Received:	03-Mar-2015 9:27
Date Collected:	02-Mar-2015 11:15			QC Batch:	B5C0013
				Date Analyzed:	09-Mar-15 19:18
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	32.4	5 -145		13C-PCB-170	61.5	10 -145	
13C-PCB-3	42.5	5 -145		13C-PCB-180	61.7	10 -145	
13C-PCB-4	60.9	5 -145		13C-PCB-188	69.7	10 -145	
13C-PCB-11	79.1	5 -145		13C-PCB-189	59.5	10 -145	
13C-PCB-9	67.1	5 -145		13C-PCB-194	93.5	10 -145	
13C-PCB-19	47.3	5 -145		13C-PCB-202	41.5	10 -145	
13C-PCB-28	73.8	5 -145		13C-PCB-206	66.9	10 -145	
13C-PCB-32	51.2	5 -145		13C-PCB-208	74.6	10 -145	
13C-PCB-37	95.0	5 -145		13C-PCB-209	46.7	10 -145	
13C-PCB-47	71.2	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	72.2	5 -145		13C-PCB-178	69.9	10 -145	
13C-PCB-54	68.0	5 -145					
13C-PCB-70	98.6	5 -145					
13C-PCB-77	95.8	10 -145					
13C-PCB-80	88.5	10 -145					
13C-PCB-81	94.4	10 -145					
13C-PCB-95	76.1	10 -145					
13C-PCB-97	99.5	10 -145					
13C-PCB-101	90.8	10 -145					
13C-PCB-104	66.9	10 -145					
13C-PCB-105	143	10 -145					
13C-PCB-114	135	10 -145					
13C-PCB-118	99.2	10 -145					
13C-PCB-123	101	10 -145					
13C-PCB-126	144	10 -145					
13C-PCB-127	140	10 -145					
13C-PCB-138	99.5	10 -145					
13C-PCB-141	92.6	10 -145					
13C-PCB-153	92.1	10 -145					
13C-PCB-155	50.0	10 -145					
13C-PCB-156	98.6	10 -145					
13C-PCB-157	93.9	10 -145					
13C-PCB-159	91.5	10 -145					
13C-PCB-167	95.0	10 -145					
13C-PCB-169	91.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
M	Estimated Maximum Possible Concentration (CA Region 2)
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	011
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	3138
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1500215

Yes No

Storage ID: WR-7

Temp: 0.2 °C

Project I.D.: STILLER POND

P.O.#

Sampler: STEVEN PATTEN

(Name)

CHRIS SHEETS

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Invoice to: Name WALLA WALLA BASIN WATER TREATMENT Company COUNCIL Address 810 S. MAIN City MELTON-FREEMAN OR State OR Zip 97602 Ph# 541-938-2170 Fax#

Relinquished by: (Signature and Printed Name) CHRIS SHEETS Date: 3-2-15 Time: 12:30 Received by: (Signature and Printed Name) UPS Date: Time:

Relinquished by: (Signature and Printed Name) UPS Date: Time: Received by: (Signature and Printed Name) B. Benedict Date: 03/03/15 Time: 0931

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: UPS

Tracking No.:

				Add Analysis(es) Requested															
				Container(s)		EPA1613		EPA8290		EPA8280		EPA1668		EPA1614		CARB429			
Quantity	Type	Matrix	Location/Description	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
2L	A	AQ	STILLER POND											X					
2L	A	AQ	STILLER POND											X					
2L	A	AQ	STILLER POND											X					
2L	A	AQ	STILLER POND											X					
2L	A	AQ	STILLER POND											X					

ATTN:

Special Instructions/Comments:

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN

Company: WWRBWC

Address: 810 S. MAIN

City: MELTON-FREEMAN State: OR Zip: 97602

Phone: 541-938-2170 Fax: SAME

Email: steven.patten@wrbwc.org

Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,

SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum

AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar

P = PUF, T = MMS Train, O = Other

*Bottle Preservative Type: T = Thiosulfate,

O = Other

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1500215 TAT Std

Samples Arrival:	Date/Time <u>03/03/15 0927</u>	Initials: <u>UBB</u>	Location: <u>WR-2</u> Shelf/Rack: <u>NA</u>
Logged In:	Date/Time <u>03/03/15 1051</u>	Initials: <u>UBB</u>	Location: <u>WR2</u> Shelf/Rack: <u>B4</u>
Delivered By:	FedEx	<u>UPS</u>	On Trac
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
Temp °C: <u>0.1</u> (uncorrected)	Time: <u>0930</u>		Thermometer ID: IR-1
Temp °C: <u>0.2</u> (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>1Z62E 3F701 0391 4960</u>	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented? <u>NA</u>			
	COC	Sample Container	None
Shipping Container	<u>Vista</u>	Client	Retain
		Return	Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 4, 2015

Page 1 of 1

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-09732 - Stiller Pond Site

Dear Mr. Steven Patten,

Your project: Stiller Pond Site, was received on Tuesday May 19, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Patrick Miller, MS
QA Officer

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **15-09732**
 Project: Stiller Pond Site

Report Date: 6/4/15

Date Received: 5/19/15

Approved by: bj,cl,c,dml,jaa,mvp,sps

Authorized by:


 Patrick Miller, MS
 QA Officer

Sample Description: Mill Creek - Wallula Road										Sample Date: 5/18/15 10:50 am		
Lab Number: 22155		Sample Comment:						Collected By: Steven Patten				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.86	0.10		NTU	1.0	180.1	a	5/19/15	GSW	TURB_150519	
16887-00-6	CHLORIDE	6.5	0.1	0.0211	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
16984-48-8	FLUORIDE	0.11	0.5	0.0054	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14797-55-8	NITRATE-N	1.07	0.100	0.0114	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14808-79-8	SULFATE	4.5	0.2	0.0174	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
E-14506	ALKALINITY	60.2	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	60.2	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-1.42			SI	1.0	SM203	a	5/29/15	mvp	COR_150529	
E-11712	COLOR	12	5		Color Units	1.0	SM2120 B	a	5/19/15	GSW	COLOR_150519	pH:7.42
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	115	10		mg/L	1.0	SM2540 C	a	5/21/15	MMH	TDS_150521	
E-14540	Temperature, Celsius	3.2			C	1.0	SM2550 B	a	6/4/15	SP	TEMP_150604	
E-10139	HYDROGEN ION (pH)	7.42			pH Units	1.0	SM4500-H+ B	a	6/19/15	GSW	PH_150519	
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	12.8	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-89-6	IRON	0.24	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-96-5	MANGANESE	0.005	0.005	0.0002	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7440-39-3	BARIUM	0.015	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-47-3	CHROMIUM	0.0004 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-50-8	COPPER	0.0013 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	
7439-92-1	LEAD	0.00013 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-66-6	ZINC	0.0035	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: GW-147 - Stiller Pond										Sample Date: 5/18/15 11:30 am		
Lab Number: 22156		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.61	0.10		NTU	1.0	180.1	a	5/19/15	GSW	TURB_150519	
16887-00-6	CHLORIDE	25.4	0.1	0.0211	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
16984-48-8	FLUORIDE	0.13	0.5	0.0054	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14797-55-8	NITRATE-N	4.28	0.100	0.0114	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14808-79-8	SULFATE	18.6	0.2	0.0174	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
E-14506	ALKALINITY	143	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	143	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-1.07			SI	1.0	SM203	a	5/29/15	mvp	COR_150529	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	5/19/15	GSW	COLOR_150519	pH:6.97
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	279	10		mg/L	1.0	SM2540 C	a	5/21/15	MMH	TDS_150521	
E-14540	Temperature, Celsius	5.3			C	1.0	SM2550 B	a	6/4/15	SP	TEMP_150604	
E-10139	HYDROGEN ION (pH)	6.97			pH Units	1.0	SM4500-H+ B	a	6/19/15	GSW	PH_150519	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	5/19/15		fc_150519	
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	36.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-89-6	IRON	0.09	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-96-5	MANGANESE	0.002	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7440-39-3	BARIUM	0.037	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-43-9	CADMIUM	ND	0.0002	8.11E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-47-3	CHROMIUM	0.0007 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-50-8	COPPER	0.00093 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7782-49-2	SELENIUM	0.0003 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-66-6	ZINC	0.0011 J	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM	M_150519W	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM	M_150519W	

Sample Description: GW-146 - Stiller Pond										Sample Date: 5/18/15 12:00 pm		
Lab Number: 22157		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	4.28	0.10		NTU	1.0	180.1	a	5/19/15	GSW	TURB_150519	
16887-00-6	CHLORIDE	37.5	0.1	0.0211	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
16984-48-8	FLUORIDE	0.22	0.5	0.0054	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14797-55-8	NITRATE-N	9.73	0.100	0.0114	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14808-79-8	SULFATE	51	0.2	0.0174	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

Data Report

E-14506	ALKALINITY	271	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	271	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-0.48			SI	1.0	SM203	a	5/29/15	mvp	COR_150529	
E-11712	COLOR	5	5		Color Units	1.0	SM2120 B	a	5/19/15	GSW	COLOR_150519	pH:7.16; ND when filtered
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	508	10		mg/L	1.0	SM2540 C	a	5/21/15	MMH	TDS_150521	
E-14540	Temperature, Celsius	5.3			c	1.0	SM2550 B	a	6/4/15	SP	TEMP_150604	
E-10139	HYDROGEN ION (pH)	7.16			pH Units	1.0	SM4500-H+ B	a	6/19/15	GSW	PH_150519	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	5/19/15		fc_150519	
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	52.7	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-89-6	IRON	0.49	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-96-5	MANGANESE	0.010	0.005	0.0002	mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7440-39-3	BARIUM	0.092	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-47-3	CHROMIUM	0.0016	0.001	0.00011	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-50-8	COPPER	0.0016 J	0.002	0.00028	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	
7439-92-1	LEAD	0.0002 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7782-49-2	SELENIUM	0.0008 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-66-6	ZINC	0.0025	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM	M_150519W	
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM	M_150519W	

Sample Description: GW-136 - Stiller Pond								Sample Date: 5/18/15 12:40 pm				
Lab Number: 22158				Sample Comment:				Collected By: Steven Patten				

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	16.8	0.10		NTU	1.0	180.1	a	5/19/15	GSW	TURB_150519	
16887-00-6	CHLORIDE	7.2	0.1	0.0211	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
16984-48-8	FLUORIDE	0.16	0.5	0.0054	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14797-55-8	NITRATE-N	1.1	0.100	0.0114	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14808-79-8	SULFATE	9.6	0.2	0.0174	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
E-14506	ALKALINITY	157	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	157	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-0.64			SI	1.0	SM203	a	5/29/15	mvp	COR_150529	
E-11712	COLOR	7	5		Color Units	1.0	SM2120 B	a	5/19/15	GSW	COLOR_150519	pH:7.37; ND when filtered
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	217	10		mg/L	1.0	SM2540 C	a	5/21/15	MMH	TDS_150521	
E-14540	Temperature, Celsius	6.1			c	1.0	SM2550 B	a	6/4/15	SP	TEMP_150604	
E-10139	HYDROGEN ION (pH)	7.37			pH Units	1.0	SM4500-H+ B	a	6/19/15	GSW	PH_150519	

Notes:

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D.F. - Dilution Factor

Data Report

E-14551	FECAL COLIFORM	NA	P/A	per 100mL	1.0	SM9221 E	b	5/19/15	fc_150519
7439-97-6	MERCURY	ND	0.0002	mg/L	1.0	7470A/1311	a	5/28/15	MMH 7470A_150528
7440-70-2	CALCIUM	34.7	0.5 0.009	mg/L	1.0	200.7/3010A	a	5/26/15	BJ 200.7-150526A
7439-89-6	IRON	1.61	0.050 0.0012	mg/L	1.0	200.7/3010A	a	5/26/15	BJ 200.7-150526A
7439-96-5	MANGANESE	0.050	0.005 0.0002	mg/L	1.0	200.7/3010A	a	5/26/15	BJ 200.7-150526A
7440-39-3	BARIUM	0.072	0.001 0.00016	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521WW
7440-43-9	CADMIUM	ND	0.00025 8.11E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521WW
7440-47-3	CHROMIUM	0.001	0.001 0.00011	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521WW
7440-50-8	COPPER	0.0023	0.002 0.00028	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521ww
7439-92-1	LEAD	0.0007	0.0005 0.00012	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521WW
7782-49-2	SELENIUM	ND	0.001 0.00022	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521WW
7440-22-4	SILVER	ND	0.0002 6.30E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521WW
7440-66-6	ZINC	0.0055	0.0025 0.00091	mg/L	1.0	200.8/3010A	a	5/21/15	MVP 200.8_150521ww
	E. COLI	N	Y/N	per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM M_150519W
	TOTAL COLIFORM	A	P/A	per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM M_150519W

Sample Description: GW-145 - Stiller Pond	Sample Date: 5/18/15 1:00 pm
Lab Number: 22159	Sample Comment:
	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	5.29	0.10		NTU	1.0	180.1	a	5/19/15	GSW	TURB_150519	
16887-00-6	CHLORIDE	29.4	0.1	0.0211	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
16984-48-8	FLUORIDE	0.19	0.5	0.0054	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14797-55-8	NITRATE-N	2.98	0.100	0.0114	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
14808-79-8	SULFATE	37.4	0.2	0.0174	mg/L	1.0	300.0	a	5/19/15	BJ	I150519A	
E-14506	ALKALINITY	226	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	BICARBONATE	226	10.0		mg CaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	5/21/15	SPS	310.2_150521	
NA	CORROSIVITY	-0.69			SI	1.0	SM203	a	5/29/15	mvp	COR_150529	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	5/19/15	GSW	COLOR_150519	pH:
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	378	10		mg/L	1.0	SM2540 C	a	5/21/15	MMH	TDS_150521	
E-14540	Temperature, Celsius	6.1			C	1.0	SM2550 B	a	6/4/15	SP	TEMP_150604	
E-10139	HYDROGEN ION (pH)	7.02			pH Units	1.0	SM4500-H+ B	a	6/19/15	GSW	PH_150519	
E-14551	FECAL COLIFORM	NA	P/A		per 100mL	1.0	SM9221 E	b	5/19/15		fc_150519	
7439-97-6	MERCURY	ND	0.0002		mg/L	1.0	7470A/1311	a	5/28/15	MMH	7470A_150528	
7440-70-2	CALCIUM	51.1	0.5 0.009		mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-89-6	IRON	0.31	0.050 0.0012		mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7439-96-5	MANGANESE	0.008	0.005 0.0002		mg/L	1.0	200.7/3010A	a	5/26/15	BJ	200.7-150526A	
7440-39-3	BARIUM	0.070	0.001 0.00016		mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-43-9	CADMIUM	ND	0.00025 8.11E-05		mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-47-3	CHROMIUM	0.0008 J	0.001 0.00011		mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW	
7440-50-8	COPPER	0.0015 J	0.002 0.00028		mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww	

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Data Report

7439-92-1	LEAD	0.0002 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW
7782-49-2	SELENIUM	0.0004 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521WW
7440-66-6	ZINC	0.0036	0.0025	0.00091	mg/L	1.0	200.8/3010A	a	5/21/15	MVP	200.8_150521ww
	E. COLI	N	Y/N		per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM	M_150519W
	TOTAL COLIFORM	A	P/A		per 100mL	1.0	SM9223 B/Colilert-18	b	5/20/15	JMM	M_150519W

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1


Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22159
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 3510C

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: CO
Analytical Method: 8081A
Batch: 8081B_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.004	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22159
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22158
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 3510C

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: CO
Analytical Method: 8081A
Batch: 8081B_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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 D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22158
Field ID: GW-136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22157
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 3510C

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: CO
Analytical Method: 8081A
Batch: 8081B_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22157
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22156
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 3510C

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: CO
Analytical Method: 8081A
Batch: 8081B_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22156
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22155
Field ID: Mill Creek
Sample Description: Wallula Road
Matrix: Surface Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 3510C

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: CO
Analytical Method: 8081A
Batch: 8081B_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.007	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.04	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.01	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.005	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.007	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.005	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.04	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.02	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.008	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.03	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-09732**
Project: Stiller Pond Site

Lab Number: 22155
Field ID: Mill Creek
Sample Description: Wallula Road
Matrix: Surface Water
Sample Date: 5/18/15
Extraction Date: 5/22/15
Extraction Method: 5030B

Report Date: 6/4/15
Date Analyzed: 5/22/15
Analyst: HY
Analytical Method: 8260B
Batch: 8260W_150522
Approved By: hy,pdm

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.1	0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.4	0.26	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	0.4	0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	0.4	0.4	0.29	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.23	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	0.4	0.4	0.14	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	0.4	0.4	0.27	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.21	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	1.0	1.0	0.28	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	0.4	0.4	0.28	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.08	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	0.4	0.4	0.17	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L	0.4	0.4	0.19	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.4	0.19	1.00	a	
71-43-2	BENZENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L	0.4	0.4	0.22	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.22	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.4	0.2	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.4	0.17	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.4	0.27	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.4	0.28	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.4	0.07	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L	0.4	0.4	0.08	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.15	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.12	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L	0.4	0.4	0.21	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L	0.4	0.4	0.13	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.4	0.4	0.36	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.4	0.36	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L	0.4	0.4	0.11	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L	0.4	0.4	0.38	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L	1.0	1.0	0.18	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.4	0.22	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.37	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L	0.4	0.4	0.1	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	1.0	1.0	0.25	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.24	1.00	a	
95-47-6	O - XYLENE	ND		ug/L	0.4	0.4	0.2	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L	0.4	0.4	0.25	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
100-42-5	STYRENE	ND		ug/L	0.4	0.4	0.2	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L	0.4	0.4	0.16	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.4	0.3	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	0.4	0.4	0.13	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.4	0.08	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L	0.4	0.4	0.19	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.4	0.4	0.32	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.4	0.26	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. - Dilution Factor.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Washington State Department of Health WATER BACTERIOLOGICAL ANALYSIS

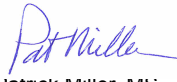
Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: 15-09732
Project: Stiller Pond Site

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Wallula Road
County:
Sampled By: Steven Patten
Sampler Phone:

Repeat Sample Number:
Lab Number: 164-22155
Field ID: Mill Creek
Date Collected: 5/18/15 10:50
Date Received: 5/19/15
Date Analyzed: 5/19/15 10:01
Report Date: 6/4/15
Comment:
Approved By: clc,dml

Authorized by:


Patrick Miller, MS
QA Officer

DOH#	PARAMETER	RESULT	UNITS	Analyst	METHOD	Batch	COMMENT
3	E. Coli	43.5	MPN/100mL	jmm	SM9223 B.2.f	qt_150519	
1	TOTAL COLIFORM	>2419.6	MPN/100mL		SM9223 B.2.f	qt_150519	

If the sample is unsatisfactory you can get information at the following health department websites or phone numbers:

- Island Co: <http://www.islandcounty.net/health/Envh/DrinkingWater/index.htm>
- San Juan Co: <http://www.sanjuanco.com/health/ehswater.aspx>
- Skagit Co: <http://www.skagitcounty.net/drinkingwater> or 360-336-9380
- Snohomish Co: 425-339-5250
- Whatcom Co: http://www.co.whatcom.wa.us/health/environmental/drinking_water/index.jsp
- WSDOH: <http://www.doh.wa.gov/ehp/dw/Programs/coliform.htm>

NOTES:
If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample.
If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-150526A	2 CALCIUM	10.5	11	mg/L	200.7	95	90-110	CAL	
	2 IRON	1.02	1	mg/L	200.7	102	90-110	CAL	
	2 MANGANESE	1	1	mg/L	200.7	100	90-110	CAL	
200.8_150521WW	0 BARIUM	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 CADMIUM	0.00101	0.001	mg/L	200.8	101	80-120	CAL	
	0 CHROMIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 COPPER	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	0 LEAD	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 SELENIUM	0.00108	0.001	mg/L	200.8	108	80-120	CAL	
	0 SILVER	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 ZINC	0.00107	0.001	mg/L	200.8	107	80-120	CAL	
I150519A	0 CHLORIDE	1.06	1	mg/L	300.0	106	90-110	CAL	
	0 FLUORIDE	0.96	1	mg/L	300.0	96	90-110	CAL	
	0 NITRATE-N	1.03	1	mg/L	300.0	103	90-110	CAL	
	0 SULFATE	2.03	2	mg/L	300.0	102	90-110	CAL	
PH_150519	0 HYDROGEN ION (pH)	7.94	8.00	pH Units	SM4500-H+ B	99	80-120	CAL	
	1 HYDROGEN ION (pH)	8.00	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TURB_150519	0 TURBIDITY	10.0	10.0	NTU	180.1	100	80-120	CAL	
	1 TURBIDITY	9.88	10.0	NTU	180.1	99	80-120	CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7-150526A	0 CALCIUM	24.6	26	mg/L	200.7	95	85-115	LFB	
	0 IRON	0.98	1	mg/L	200.7	98	85-115	LFB	
	0 MANGANESE	0.95	1	mg/L	200.7	95	85-115	LFB	
200.8_150521WV	0 BARIUM	0.041	0.040	mg/L	200.8	103	85-115	LFB	
	0 CADMIUM	0.039	0.040	mg/L	200.8	98	85-115	LFB	
	0 CHROMIUM	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.040	0.040	mg/L	200.8	100	85-115	LFB	
	0 LEAD	0.037	0.040	mg/L	200.8	93	85-115	LFB	
	0 SELENIUM	0.037	0.040	mg/L	200.8	93	85-115	LFB	
	0 SILVER	0.017	0.020	mg/L	200.8	85	85-115	LFB	
	0 ZINC	0.039	0.040	mg/L	200.8	98	85-115	LFB	
7470A_150528	0 MERCURY	0.00163	0.00167	mg/L	7470A	98	70-130	LFB	
8260W_150522	0 1,1 - DICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,1 - DICHLOROETHYLENE	4.2	4	ug/L	8260B	105	80-120	LFB	
	0 1,1 - DICHLOROPROPENE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,1,1 - TRICHLOROETHANE	4.0	4	ug/L	8260B	100	80-120	LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	3.3	4	ug/L	8260B	83	80-120	LFB	
	0 1,1,2 - TRICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	3.2	4	ug/L	8260B	80	80-120	LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 1,2 - DICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120	LFB	
	0 1,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120	LFB	
	0 1,2,3 - TRICHLOROBENZENE	3.4	4	ug/L	8260B	85	80-120	LFB	
	0 1,2,3 - TRICHLOROPROPANE	3.4	4	ug/L	8260B	85	80-120	LFB	
	0 1,2,4 - TRICHLOROBENZENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 1,2,4 - TRIMETHYLBENZENE	3.5	4	ug/L	8260B	88	80-120	LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	3.3	4	ug/L	8260B	83	80-120	LE LFB	
	0 1,3 - DICHLOROBENZENE (meta)	3.5	4	ug/L	8260B	88	80-120	LFB	
0 1,3 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120	LFB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_150522	0 1,3,5 - TRIMETHYLBENZENE	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 1,4 - DICHLOROBENZENE (para)	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 2,2 - DICHLOROPROPANE	4.7	4	ug/L	8260B	118	80-120	AH	LFB	
	0 BENZENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 BROMOBENZENE	3.3	4	ug/L	8260B	83	80-120		LFB	
	0 BROMOCHLOROMETHANE	4.5	4	ug/L	8260B	113	80-120		LFB	
	0 BROMODICHLOROMETHANE	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 BROMOFORM	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 BROMOMETHANE	4.8	4	ug/L	8260B	120	80-120		LFB	
	0 CARBON TETRACHLORIDE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 CHLOROBENZENE	3.4	4	ug/L	8260B	85	80-120		LFB	
	0 CHLOROETHANE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 CHLOROFORM	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 CHLOROMETHANE	3.3	4	ug/L	8260B	83	80-120		LFB	
	0 CIS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 DIBROMOCHLOROMETHANE	3.2	4	ug/L	8260B	80	80-120		LFB	
	0 DIBROMOMETHANE	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 DICHLORODIFLUOROMETHANE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 ETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120		LFB	
	0 HEXACHLOROBUTADIENE	3.2	4	ug/L	8260B	80	80-120		LFB	
	0 ISOPROPYLBENZENE	3.2	4	ug/L	8260B	80	80-120		LFB	
	0 M,P- XYLENE	6.6	8	ug/L	8260B	83	80-120		LFB	
	0 METHYL TERT-BUTYL ETHER	4.4	4	ug/L	8260B	110	80-120		LFB	
	0 METHYLENE CHLORIDE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 N - BUTYLBENZENE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 N - PROPYLBENZENE	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 NAPHTHALENE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 O - CHLOROTOLUENE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 O - XYLENE	3.3	4	ug/L	8260B	83	80-120		LFB	
	0 P - CHLOROTOLUENE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 P - ISOPROPYLTOLUENE	3.5	4	ug/L	8260B	88	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_150522	0 SEC - BUTYLBENZENE	3.3	4	ug/L	8260B	83	80-120	LFB		
	0 STYRENE	3.5	4	ug/L	8260B	88	80-120	LFB		
	0 TERT - BUTYLBENZENE	3.6	4	ug/L	8260B	90	80-120	LFB		
	0 TETRACHLOROETHYLENE	3.9	4	ug/L	8260B	98	80-120	LFB		
	0 TOLUENE	3.8	4	ug/L	8260B	95	80-120	LFB		
	0 TRANS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120	LFB		
	0 TRANS - 1,3 - DICHLOROPROPENE	3.3	4	ug/L	8260B	83	80-120	LFB		
	0 TRICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120	LFB		
	0 TRICHLOROFLUOROMETHANE	4.3	4	ug/L	8260B	108	80-120	LFB		
	0 VINYL CHLORIDE	3.4	4	ug/L	8260B	85	80-120	LFB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
200.7-150526A	0 CALCIUM	ND		mg/L	200.7		0-0	LRB		
	0 IRON	ND		mg/L	200.7		0-0	LRB		
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB		
200.8_150521WW	0 BARIUM	ND		mg/L	200.8		0-0	LRB		
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB		
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB		
	0 COPPER	ND		mg/L	200.8		0-0	LRB		
	0 LEAD	ND		mg/L	200.8		0-0	LRB		
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB		
	0 SILVER	ND		mg/L	200.8		0-0	LRB		
	0 ZINC	ND		mg/L	200.8		0-0	LRB		
310.2_150521	0 ALKALINITY	ND		mg CaCO3/l	310.2		0-1	LRB		
7470A_150528	0 MERCURY	ND		mg/L	7470A		0-0	LRB		
I150519A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB		
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB		
	0 NITRATE-N	ND		mg/L	300.0		0-0	LRB		
	0 SULFATE	ND		mg/L	300.0		0-0	LRB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7-150526A	0 CALCIUM	ND		mg/L	200.7		0-0	MB	
	0 IRON	ND		mg/L	200.7		0-0	MB	
	0 MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_150521WV	0 BARIUM	ND		mg/L	200.8		0-0	MB	
	0 CADMIUM	ND		mg/L	200.8		0-0	MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	MB	
	0 COPPER	ND		mg/L	200.8		0-0	MB	
	0 LEAD	ND		mg/L	200.8		0-0	MB	
	0 SELENIUM	ND		mg/L	200.8		0-0	MB	
	0 SILVER	ND		mg/L	200.8		0-0	MB	
	0 ZINC	0.001		mg/L	200.8		0-0	MB	
310.2_150521	0 ALKALINITY	ND		mg CaCO3/l	310.2		0-1	MB	
8260W_150522	0 1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0	MB	
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0	MB	
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150522	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0	MB	
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB	
	0 BENZENE	ND		ug/L	8260B		0-0	MB	
	0 BROMOBENZENE	ND		ug/L	8260B		0-0	MB	
	0 BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 BROMOFORM	ND		ug/L	8260B		0-0	MB	
	0 BROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	0 CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0	MB	
	0 CHLOROBENZENE	ND		ug/L	8260B		0-0	MB	
	0 CHLOROETHANE	ND		ug/L	8260B		0-0	MB	
	0 CHLOROFORM	ND		ug/L	8260B		0-0	MB	
	0 CHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 DIBROMOMETHANE	ND		ug/L	8260B		0-0	MB	
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	
	0 ETHYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0	MB	
	0 ISOPROPYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 M,P- XYLENE	ND		ug/L	8260B		0-0	MB	
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0	MB	
	0 METHYLENE CHLORIDE	ND		ug/L	8260B		0-0	MB	
	0 N - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 N - PROPYLBENZENE	ND		ug/L	8260B		0-0	MB	
	0 NAPHTHALENE	ND		ug/L	8260B		0-0	MB	
	0 O - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	
	0 O - XYLENE	ND		ug/L	8260B		0-0	MB	
	0 P - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
8260W_150522	0 SEC - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 STYRENE	ND		ug/L	8260B		0-0	MB		
	0 TERT - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB		
	0 TETRACHLOROETHYLENE	ND		ug/L	8260B		0-0	MB		
	0 TOLUENE	ND		ug/L	8260B		0-0	MB		
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB		
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB		
	0 TRICHLOROETHENE	ND		ug/L	8260B		0-0	MB		
	0 TRICHLOROFUOROMETHANE	ND		ug/L	8260B		0-0	MB		
	0 VINYL CHLORIDE	ND		ug/L	8260B		0-0	MB		
	1 1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 BENZENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 BROMOBENZENE	ND		ug/L	8260B		0-0	MB		TB 15-09162

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_150522	1 BROMOCHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 BROMODICHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 BROMOFORM	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 BROMOMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CARBON TETRACHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CHLORO BENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CHLOROFORM	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 DIBROMOCHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 DIBROMOMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 DICHLORODIFLUOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 ETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 HEXACHLOROBUTADIENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 ISOPROPYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 M,P- XYLENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 METHYLENE CHLORIDE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 N - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 N - PROPYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 NAPHTHALENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 O - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 O - XYLENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 P - CHLOROTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 P - ISOPROPYLTOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 SEC - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 STYRENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TERT - BUTYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TETRACHLOROETHYLENE	ND		ug/L	8260B	0-0		MB	TB 15-09162
	1 TOLUENE	ND		ug/L	8260B	0-0		MB	TB 15-09162

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Method Blank

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_150522	1 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 TRICHLOROETHENE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 TRICHLOROFUOROMETHANE	ND		ug/L	8260B		0-0	MB		TB 15-09162
	1 VINYL CHLORIDE	ND		ug/L	8260B		0-0	MB		TB 15-09162
tds_150521	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB		
	1 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB		
	2 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB		
TURB_150519	0 TURBIDITY	ND		NTU	180.1		0-0	MB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **15-09732**

Report Date: 06/04/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7-150526A	0 IRON	1.99	2	mg/L	200.7	100	95-105	QCS	
	0 MANGANESE	1.98	2	mg/L	200.7	99	95-105	QCS	
	1 CALCIUM	19.5	20	mg/L	200.7	98	95-105	QCS	
200.8_150521VV	0 BARIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CHROMIUM	0.038	0.040	mg/L	200.8	95	90-110	QCS	
	0 COPPER	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 LEAD	0.037	0.040	mg/L	200.8	93	90-110	QCS	
	0 SELENIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SILVER	0.018	0.020	mg/L	200.8	90	90-110	QCS	
	0 ZINC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
310.2_150521	0 ALKALINITY	99.6	100	mg CaCO3/l	310.2	100	85-115	QCS	
7470A_150528	0 MERCURY	0.00176	0.00185	mg/L	7470A	95	90-110	QCS	
COLOR_150519	0 COLOR	10	10	CU	SM2120 B	100	0-10	QCS	
I150519A	0 CHLORIDE	6.22	6	mg/L	300.0	104	90-110	QCS	
	0 FLUORIDE	4.02	4	mg/L	300.0	101	90-110	QCS	
	0 NITRATE-N	5.9	6	mg/L	300.0	98	90-110	QCS	
	0 SULFATE	31	30	mg/L	300.0	103	90-110	QCS	
tds_150521	0 TOTAL DISSOLVED SOLIDS (TDS)	488	500	mg/L	SM2540 C	98	80-120	QCS	
	1 TOTAL DISSOLVED SOLIDS (TDS)	484	500	mg/L	SM2540 C	97	80-120	QCS	
TURB_150519	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result	Result				Qualifier	Type	
Duplicate											
200.7-150526A											
	22159	IRON	0.31	0.31		mg/L	0.0	0-20			DUP
	22159	MANGANESE	0.008	0.0096		mg/L	18.2	0-20			DUP
	22159	CALCIUM	51.1	52.1		mg/L	1.9	0-20			DUP
200.8_150521WW											
	21675	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	21675	CHROMIUM	0.0006	0.0006		mg/L	0.0	0-20			DUP
	21675	COPPER	0.040	0.040		mg/L	0.0	0-20			DUP
	21675	LEAD	0.0003	0.0003		mg/L	0.0	0-20			DUP
	21675	SELENIUM	ND	ND		mg/L	NA	0-20			DUP
	21675	SILVER	ND	ND		mg/L	NA	0-20			DUP
	21675	ZINC	0.061	0.062		mg/L	1.6	0-20			DUP
	21885	CADMIUM	0.0004	0.0004		mg/L	0.0	0-20			DUP
	21885	CHROMIUM	0.0009	0.0008		mg/L	11.8	0-20			DUP
	21885	COPPER	0.223	0.220		mg/L	1.4	0-20			DUP
	21885	LEAD	0.008	0.008		mg/L	0.0	0-20			DUP
	21885	SELENIUM	ND	ND		mg/L	NA	0-20			DUP
	21885	ZINC	0.113	0.112		mg/L	0.9	0-20			DUP
	22159	BARIUM	0.070	0.074		mg/L	5.6	0-20			DUP
	22159	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	22159	CHROMIUM	0.0008	0.0008		mg/L	0.0	0-20			DUP
	22159	COPPER	0.0015	0.0014		mg/L	6.9	0-20			DUP
	22159	LEAD	0.0002	0.0001		mg/L	66.7	0-20	IEV		DUP
	22159	SELENIUM	0.0004	0.00024		mg/L	50.0	0-20	IEV		DUP
	22159	SILVER	ND	ND		mg/L	NA	0-20			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		
			Result	Result				Qualifier	Type	Comments
310.2_150521										
	22155	BICARBONATE	60.2	60.6	mg CaCO3/l	0.7	0-20		DUP	
	22155	ALKALINITY	60.2	60.6	mg CaCO3/l	0.7	0-20		DUP	
	22853	BICARBONATE	61.7	61.6	mg CaCO3/l	0.2	0-20		DUP	
	22853	ALKALINITY	61.7	61.6	mg CaCO3/l	0.2	0-20		DUP	
7470A_150528										
	22155	MERCURY	ND	ND	mg/L	NA	0-45		DUP	
	22967	MERCURY	ND	0.00167	0.00169	0.00167	mg/L	NA	0-45	DUP
	22976	MERCURY	ND	ND	mg/L	NA	0-45		DUP	
8081B_150522										
	22156	4,4' - DDD	ND	ND	ug/L	NA	0-40		DUP	
	22156	4,4' - DDE	ND	ND	ug/L	NA	0-40		DUP	
	22156	4,4' - DDT	ND	ND	ug/L	NA	0-40		DUP	
	22156	ALDRIN	ND	ND	ug/L	NA	0-40		DUP	
	22156	ALPHA-CHLORDANE	ND	ND	ug/L	NA	0-40		DUP	
	22156	BHC, ALPHA -	ND	ND	ug/L	NA	0-40		DUP	
	22156	BHC, BETA -	ND	ND	ug/L	NA	0-40		DUP	
	22156	BHC, DELTA -	ND	ND	ug/L	NA	0-40		DUP	
	22156	DIELDRIN	ND	ND	ug/L	NA	0-40		DUP	
	22156	ENDOSULFAN I	ND	ND	ug/L	NA	0-40		DUP	
	22156	ENDOSULFAN II	ND	ND	ug/L	NA	0-40		DUP	
	22156	ENDOSULFAN SULFATE	ND	ND	ug/L	NA	0-40		DUP	
	22156	ENDRIN	ND	ND	ug/L	NA	0-40		DUP	
	22156	ENDRIN ALDEHYDE	ND	ND	ug/L	NA	0-40		DUP	
	22156	ENDRIN KETONE	ND	ND	ug/L	NA	0-40		DUP	
	22156	GAMMA-CHLORDANE	ND	ND	ug/L	NA	0-40		DUP	
	22156	HEPTACHLOR	ND	ND	ug/L	NA	0-40		DUP	
	22156	HEPTACHLOR EPOXIDE "B"	ND	ND	ug/L	NA	0-40		DUP	
	22156	LINDANE (BHC - GAMMA)	ND	ND	ug/L	NA	0-40		DUP	
	22156	METHOXYCHLOR	ND	ND	ug/L	NA	0-40		DUP	
	22156	TOXAPHENE	ND	ND	ug/L	NA	0-40		DUP	
I150519A										
	22099	CHLORIDE	17.8	17.9	mg/L	0.6	0-20		DUP	
	22099	FLUORIDE	0.28	0.29	mg/L	3.5	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result					Qualifier	Type	Comments
	22099	NITRATE-N	ND	ND		mg/L	NA	0-20		DUP	
	22159	CHLORIDE	29.4	29.4		mg/L	0.0	0-20		DUP	
	22159	SULFATE	37.4	37.4		mg/L	0.0	0-20		DUP	
	22159	FLUORIDE	0.19	0.2		mg/L	5.1	0-20		DUP	
	22159	NITRATE-N	2.98	2.96		mg/L	0.7	0-20		DUP	
	22178	SULFATE	57.5	57.4		mg/L	0.2	0-20		DUP	
	22211	CHLORIDE	38.7	38.9		mg/L	0.5	0-20		DUP	
PH_150519											
	22225	HYDROGEN ION (pH)	7.77	7.81		pH Units	0.5	0-45		DUP	
TDS_150521											
	22453	TOTAL DISSOLVED SOLIDS (TDS)	50	51		mg/L	2.0	0-10		DUP	
	22665	TOTAL DISSOLVED SOLIDS (TDS)	437	407		mg/L	7.1	0-10		DUP	
TURB_150519											
	22393	TURBIDITY	0.52	0.50		NTU	3.9	0-20		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7-150526A															
	22159	IRON	0.31	0.39		0.050	mg/L	160		70-130	NA	0-20	IS	LFM	
	22159	MANGANESE	0.008	0.058		0.050	mg/L	100		70-130	NA	0-20		LFM	
	22159	CALCIUM	51.1	52.1		0.050	mg/L	2,000		70-130	NA	0-20	IS	LFM	
200.8_150521WW															
	21675	CADMIUM	ND	0.054		0.050	mg/L	108		70-130	NA	0-20		LFM	
	21675	CHROMIUM	0.0006	0.050		0.050	mg/L	99		70-130	NA	0-20		LFM	
	21675	COPPER	0.040	0.092		0.050	mg/L	104		70-130	NA	0-20		LFM	
	21675	LEAD	0.0003	0.0504		0.050	mg/L	100		70-130	NA	0-20		LFM	
	21675	SELENIUM	ND	0.049		0.050	mg/L	98		70-130	NA	0-20		LFM	
	21675	SILVER	ND	0.024		0.025	mg/L	96		70-130	NA	0-20		LFM	
	21675	ZINC	0.061	0.121		0.050	mg/L	120		70-130	NA	0-20		LFM	
	21885	CADMIUM	0.0004	0.055		0.050	mg/L	109		70-130	NA	0-20		LFM	
	21885	CHROMIUM	0.0009	0.0526		0.050	mg/L	103		70-130	NA	0-20		LFM	
	21885	COPPER	0.223	0.276		0.050	mg/L	106		70-130	NA	0-20		LFM	
	21885	LEAD	0.008	0.058		0.050	mg/L	100		70-130	NA	0-20		LFM	
	21885	SELENIUM	ND	0.050		0.050	mg/L	100		70-130	NA	0-20		LFM	
	21885	ZINC	0.113	0.175		0.050	mg/L	124		70-130	NA	0-20		LFM	
	22159	BARIIUM	0.070	0.123		0.050	mg/L	106		70-130	NA	0-20		LFM	
	22159	CADMIUM	ND	0.053		0.050	mg/L	106		70-130	NA	0-20		LFM	
	22159	CHROMIUM	0.0008	0.048		0.050	mg/L	94		70-130	NA	0-20		LFM	
	22159	COPPER	0.0015	0.053		0.050	mg/L	103		70-130	NA	0-20		LFM	
	22159	LEAD	0.0002	0.050		0.050	mg/L	100		70-130	NA	0-20		LFM	
	22159	SELENIUM	0.0004	0.049		0.050	mg/L	97		70-130	NA	0-20		LFM	
	22159	SILVER	ND	0.021		0.025	mg/L	84		70-130	NA	0-20		LFM	
	22159	ZINC	0.0036	0.0542		0.050	mg/L	101		70-130	NA	0-20		LFM	
310.2_150521															
	22155	BICARBONATE	60.2	324	324	250	mg CaCO3//106	106	106	70-130	0.0	0-20		LFM	
	22155	ALKALINITY	60.2	324	324	250	mg CaCO3//106	106	106	70-130	0.0	0-20		LFM	
	22853	BICARBONATE	61.7	327	324	250	mg CaCO3//106	105	105	70-130	1.1	0-20		LFM	
	22853	ALKALINITY	61.7	327	324	250	mg CaCO3//106	105	105	70-130	1.1	0-20		LFM	
7470A_150528															
	22155	MERCURY	ND	0.00164	0.00163	0.00167	mg/L	98	98	70-130	0.6	0-20		LFM	

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments	
				Spike Result	Spike Result			MS	MSD				Qualifier	Type		
	22976	MERCURY	ND	0.00169	0.00167	mg/L		101		70-130	NA	0-20			LFM	
8260W_150522																
	22155	1,1 - DICHLOROETHANE	ND	3.9	4	ug/L		98	NA	70-130	NA	0-20			LFM	
	22155	1,1 - DICHLOROETHYLENE	ND	4.5	4	ug/L		113	NA	70-130	NA	0-20			LFM	
	22155	1,1 - DICHLOROPROPENE	ND	4.1	4	ug/L		103	NA	70-130	NA	0-20			LFM	
	22155	1,1,1 - TRICHLOROETHANE	ND	4.2	4	ug/L		105	NA	70-130	NA	0-20			LFM	
	22155	1,1,1,2 - TETRACHLOROETHANE	ND	3.2	4	ug/L		80	NA	70-130	NA	0-20			LFM	
	22155	1,1,2 - TRICHLOROETHANE	ND	3.9	4	ug/L		98	NA	70-130	NA	0-20			LFM	
	22155	1,1,2,2 - TETRACHLOROETHANE	ND	2.9	4	ug/L		73	NA	70-130	NA	0-20			LFM	
	22155	1,2 - DICHLOROBENZENE (ortho)	ND	3.2	4	ug/L		80	NA	70-130	NA	0-20			LFM	
	22155	1,2 - DICHLOROETHANE	ND	3.9	4	ug/L		98	NA	70-130	NA	0-20			LFM	
	22155	1,2 - DICHLOROPROPANE	ND	3.9	4	ug/L		98	NA	70-130	NA	0-20			LFM	
	22155	1,2,3 - TRICHLOROBENZENE	ND	3.0	4	ug/L		75	NA	70-130	NA	0-20			LFM	
	22155	1,2,3 - TRICHLOROPROPANE	ND	3.0	4	ug/L		75	NA	70-130	NA	0-20			LFM	
	22155	1,2,4 - TRICHLOROBENZENE	ND	3.2	4	ug/L		80	NA	70-130	NA	0-20			LFM	
	22155	1,2,4 - TRIMETHYLBENZENE	ND	3.3	4	ug/L		83	NA	70-130	NA	0-20			LFM	
	22155	1,2-DIBROMO-3-CHLOROPROPANE	ND	2.8	4	ug/L		70	NA	70-130	NA	0-20			LFM	
	22155	1,3 - DICHLOROBENZENE (meta)	ND	3.3	4	ug/L		83	NA	70-130	NA	0-20			LFM	
	22155	1,3 - DICHLOROPROPANE	ND	3.7	4	ug/L		93	NA	70-130	NA	0-20			LFM	
	22155	1,3,5 - TRIMETHYLBENZENE	ND	3.4	4	ug/L		85	NA	70-130	NA	0-20			LFM	
	22155	1,4 - DICHLOROBENZENE (para)	ND	3.3	4	ug/L		83	NA	70-130	NA	0-20			LFM	
	22155	2,2 - DICHLOROPROPANE	ND	4.1	4	ug/L		103	NA	70-130	NA	0-20			LFM	
	22155	BENZENE	ND	4.1	4	ug/L		103	NA	70-130	NA	0-20			LFM	
	22155	BROMOBENZENE	ND	3.3	4	ug/L		83	NA	70-130	NA	0-20			LFM	
	22155	BROMOCHLOROMETHANE	ND	4.0	4	ug/L		100	NA	70-130	NA	0-20			LFM	
	22155	BROMODICHLOROMETHANE	ND	3.5	4	ug/L		88	NA	70-130	NA	0-20			LFM	
	22155	BROMOFORM	ND	3.1	4	ug/L		78	NA	70-130	NA	0-20			LFM	
	22155	BROMOMETHANE	ND	3.7	4	ug/L		93	NA	70-130	NA	0-20			LFM	
	22155	CARBON TETRACHLORIDE	ND	4.2	4	ug/L		105	NA	70-130	NA	0-20			LFM	
	22155	CHLOROBENZENE	ND	3.6	4	ug/L		90	NA	70-130	NA	0-20			LFM	
	22155	CHLOROETHANE	ND	4.2	4	ug/L		105	NA	70-130	NA	0-20			LFM	
	22155	CHLOROFORM	ND	4.2	4	ug/L		105	NA	70-130	NA	0-20			LFM	
	22155	CHLOROMETHANE	ND	4.1	4	ug/L		103	NA	70-130	NA	0-20			LFM	
	22155	CIS - 1,2 - DICHLOROETHENE	ND	3.9	4	ug/L		98	NA	70-130	NA	0-20			LFM	

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22155	CIS - 1,3 - DICHLOROPROPENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	DIBROMOCHLOROMETHANE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22155	DIBROMOMETHANE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20		LFM	
	22155	DICHLORODIFLUOROMETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20		LFM	
	22155	ETHYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	HEXACHLOROBUTADIENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	ISOPROPYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	M,P- XYLENE	ND	6.8		8	ug/L	85	NA	70-130	NA	0-20		LFM	
	22155	METHYL TERT-BUTYL ETHER	ND	3.8		4	ug/L	95	NA	70-130	NA	0-20		LFM	
	22155	METHYLENE CHLORIDE	ND	3.8		4	ug/L	95	NA	70-130	NA	0-20		LFM	
	22155	N - BUTYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22155	N - PROPYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22155	NAPHTHALENE	ND	2.8		4	ug/L	70	NA	70-130	NA	0-20		LFM	
	22155	O - CHLOROTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	O - XYLENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	P - CHLOROTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	P - ISOPROPYLTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22155	SEC - BUTYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22155	STYRENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22155	TERT - BUTYLBENZENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22155	TETRACHLOROETHYLENE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-20		LFM	
	22155	TOLUENE	ND	4.2		4	ug/L	105	NA	70-130	NA	0-20		LFM	
	22155	TRANS - 1,2 - DICHLOROETHENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20		LFM	
	22155	TRANS - 1,3 - DICHLOROPROPENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22155	TRICHLOROETHENE	ND	4.1		4	ug/L	103	NA	70-130	NA	0-20		LFM	
	22155	TRICHLOROFLUOROMETHANE	ND	4.5		4	ug/L	113	NA	70-130	NA	0-20		LFM	
	22155	VINYL CHLORIDE	ND	4.6		4	ug/L	115	NA	70-130	NA	0-20		LFM	
I150519A															
	22099	CHLORIDE	17.8	18.4		1	mg/L	60	NA	90-110	NA	0-20	IS	LFM	
	22099	FLUORIDE	0.28	1.21		1	mg/L	93	NA	90-110	NA	0-20		LFM	
	22099	NITRATE-N	ND	1.08		1	mg/L	108	NA	90-110	NA	0-20		LFM	
	22159	CHLORIDE	29.4	29.9		1	mg/L	50	NA	90-110	NA	0-20	IS	LFM	
	22159	SULFATE	37.4	38.7		2	mg/L	65	NA	90-110	NA	0-20	IS	LFM	
	22159	FLUORIDE	0.19	1.09		1	mg/L	90	NA	90-110	NA	0-20		LFM	

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				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22159	NITRATE-N	2.98	3.93		1	mg/L	95	NA	90-110	NA	0-20			LFM
	22178	SULFATE	57.5	98.2		40	mg/L	102	NA	90-110	NA	0-20			LFM
	22211	CHLORIDE	38.7	59.2		20	mg/L	103	NA	90-110	NA	0-20			LFM

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 15-09732

Report Date: 06/04/15

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
IEV	Acceptance criteria do not apply to estimated values
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
m4	The matrix spike shows a matrix affect biased low for recovery. The Laboratory Fortified Blank was within acceptable limits.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Council	Ref #
Ship Address: 810 S Main Street	Address: 810 South Main Street	For Lab Use Only
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input checked="" type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /	<input type="checkbox"/> RCRA / CERCLA
Project: Stiller Pond Site	Card#:	<input type="checkbox"/> Other

ANALYTICAL
Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)**
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081 (Chlorinated Pesticides)	8260	Ba,Cd,Cr,Pb,Hg,Se,Ag,Cu,Fe,Mn,Zn	Carbonate and Bicarbonate	Chloride, Sulfate, Fluoride, TDS, Color	Nitrate as N, Turbidity, Corrosivity	SM9223B (GROUND WATER)	SM9223B.2b (Surface water)	Num Containers	Conditions on Receipt
1	TRAIL Creek	S	SW	5-18-15	10:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3.22°C
2	GW-147	S	GW	5-18-15	11:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	5.3°C
3	GW-146	S	GW	5-18-15	12:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	6.1°C
4	GW-136	S	GW	5-18-15	12:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
5	GW-145	S	GW	5-18-15	13:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: <u>[Signature]</u>	Date: <u>5-18-15</u>	Time: <u>13:45</u>	Received by: <u>UPS</u>	Date: <u>5-19-15</u>	Time: <u>0920</u>
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Custody seals intact Yes No N/A
 Sample temp 5.3 C satisfactory
 Samples received intact
 Chain of custody & labels agree



CO025620
15-09732
22155 - 22159

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	For Lab Use Only Ref #
Ship Address: 810 S Main Street	Address: 810 South Main Street	
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other
Attn: Steven Patten	Phone: FAX:	
Phone: 541.938-2170 FAX:	P.O.#: Attn:	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> MIC <input type="checkbox"/> A/E Expires /	
Project: Stiller Pond Site	Card#:	

ANALYTICAL
Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Wilsonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Instructions

- Use one line per sample Location.
- Be specific in analysis requests.
- (NEW) List each metal individually (NEW)
- Check off analyses to be performed for each sample Location.
- Enter number of containers.

		Turn Around Time Required																	
		<input checked="" type="checkbox"/> Standard																	
		<input type="checkbox"/> Half-time (50% surcharge)																	
		<input type="checkbox"/> Quickest (100% surcharge) Phone Call Req.																	
		<input type="checkbox"/> Emergency (Phone Call Req.)																	

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	TRIP BLANK (8260)	Analyses Requested										Number of Containers	Special Instructions Conditions on Receipt						
1	MILL CREEK		SW	5-18-15	10:50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	GW-117		GW	5-18-15	11:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	GW-116		GW	5-18-15	12:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	GW-136		GW	5-18-15		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	GW-115		GW	5-18-15		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sampled by: Steven Patten						Phone: FAX:						Email:						Total Containers						

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time	Custody seals intact	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
<i>[Signature]</i>	5-18-15	13:45	SPS	5-19-15	09:20	Sample temp _____ C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<i>[Signature]</i>			Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						Chain of custody & labels agree	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

June 06, 2015

Vista Project I.D.: 1500441

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 19, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1500441

Case Narrative

Sample Condition on Receipt:

Five aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. The concentration of PCB-11 was 7.38 pg/L in the Method Blank. No other analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	32
Certifications.....	33
Sample Receipt.....	34

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1500441-01	Mill Creek	18-May-15 10:50	19-May-15 09:24	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500441-02	GW-147	18-May-15 11:30	19-May-15 09:24	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500441-03	GW-146	18-May-15 12:00	19-May-15 09:24	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500441-04	GW-136	18-May-15 12:40	19-May-15 09:24	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1500441-05	GW-145	18-May-15 13:00	19-May-15 09:24	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B5E0082	Lab Sample: B5E0082-BLK1
Sample Size: 1.00 L	Date Extracted: 22-May-2015 8:43	Date Analyzed: 29-May-15 20:01 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.28			PCB-43/49	ND	1.50		
PCB-2	ND	1.32			PCB-44	ND	2.07		
PCB-3	ND	1.32			PCB-45	ND	1.64		
PCB-4/10	ND	6.25			PCB-46	ND	1.80		
PCB-5/8	ND	5.11			PCB-47	ND	1.51		
PCB-6	ND	5.25			PCB-48/75	ND	1.36		
PCB-7/9	ND	5.19			PCB-50	ND	1.73		
PCB-11	7.38				PCB-51	ND	1.47		
PCB-12/13	ND	4.74			PCB-52/69	ND	1.32		
PCB-14	ND	4.08			PCB-53	ND	1.50		
PCB-15	ND	4.17			PCB-54	ND	1.32		
PCB-16/32	ND	1.28			PCB-55	ND	1.03		
PCB-17	ND	1.41			PCB-56/60	ND	1.14		
PCB-18	ND	1.52			PCB-57	ND	1.13		
PCB-19	ND	1.69			PCB-58	ND	1.11		
PCB-20/21/33	ND	1.17			PCB-61/70	ND	1.12		
PCB-22	ND	1.16			PCB-62	ND	1.33		
PCB-23	ND	1.12			PCB-63	ND	1.09		
PCB-24/27	ND	1.04			PCB-65	ND	1.37		
PCB-25	ND	1.23			PCB-66/76	ND	1.07		
PCB-26	ND	1.09			PCB-67	ND	1.16		
PCB-28	ND	1.06			PCB-68	ND	1.12		
PCB-29	ND	1.12			PCB-73	ND	1.21		
PCB-30	ND	1.07			PCB-74	ND	1.04		
PCB-31	ND	1.05			PCB-77	ND	0.980		
PCB-34	ND	1.04			PCB-78	ND	1.09		
PCB-35	ND	1.02			PCB-79	ND	1.09		
PCB-36	ND	0.983			PCB-80	ND	0.956		
PCB-37	ND	0.947			PCB-81	ND	0.998		
PCB-38	ND	1.03			PCB-82	ND	3.69		
PCB-39	ND	1.01			PCB-83	ND	2.26		
PCB-40	ND	2.11			PCB-84/92	ND	3.45		
PCB-41/64/71/72	ND	1.35			PCB-85/116	ND	2.69		
PCB-42/59	ND	1.46			PCB-86	ND	3.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B5E0082
Date Extracted: 22-May-2015 8:43Lab Sample: B5E0082-BLK1
Date Analyzed: 29-May-15 20:01 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	2.36			PCB-133/142	ND	1.44		
PCB-88/91	ND	3.39			PCB-134/143	ND	1.40		
PCB-89	ND	3.71			PCB-135	ND	2.55		
PCB-90/101	ND	3.06			PCB-136	ND	1.78		
PCB-93	ND	3.59			PCB-137	ND	1.31		
PCB-94	ND	3.37			PCB-138/163/164	ND	1.03		
PCB-95/98/102	ND	2.96			PCB-139/149	ND	2.33		
PCB-96	ND	2.77			PCB-140	ND	2.61		
PCB-97	ND	2.89			PCB-141	ND	1.33		
PCB-99	ND	2.96			PCB-144	ND	2.37		
PCB-100	ND	3.14			PCB-145	ND	1.86		
PCB-103	ND	3.13			PCB-146/165	ND	1.21		
PCB-104	ND	2.40			PCB-147	ND	2.61		
PCB-105	ND	0.960			PCB-148	ND	2.48		
PCB-106/118	ND	1.99			PCB-150	ND	1.80		
PCB-107/109	ND	2.05			PCB-151	ND	2.48		
PCB-108/112	ND	2.67			PCB-152	ND	1.74		
PCB-110	ND	2.20			PCB-153	ND	1.09		
PCB-111/115	ND	2.02			PCB-154	ND	2.28		
PCB-113	ND	2.76			PCB-155	ND	1.69		
PCB-114	ND	1.02			PCB-156	ND	1.98		
PCB-119	ND	2.00			PCB-157	ND	1.99		
PCB-120	ND	1.89			PCB-158/160	ND	0.988		
PCB-121	ND	2.16			PCB-159	ND	1.01		
PCB-122	ND	1.21			PCB-166	ND	1.08		
PCB-123	ND	2.19			PCB-167	ND	1.00		
PCB-124	ND	2.10			PCB-168	ND	0.962		
PCB-126	ND	1.11			PCB-169	ND	1.18		
PCB-127	ND	1.12			PCB-170	ND	1.30		
PCB-128/162	ND	1.20			PCB-171	ND	1.19		
PCB-129	ND	1.47			PCB-172	ND	1.28		
PCB-130	ND	1.67			PCB-173	ND	1.57		
PCB-131	ND	1.54			PCB-174	ND	1.35		
PCB-132/161	ND	1.17			PCB-175	ND	1.44		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Aqueous		QC Batch: B5E0082			Lab Sample: B5E0082-BLK1				
Sample Size: 1.00 L		Date Extracted: 22-May-2015 8:43			Date Analyzed: 29-May-15 20:01 Column: ZB-1 Analyst: MAS				
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	1.03			Total triCB	ND	1.69		
PCB-177	ND	1.37			Total tetraCB	ND	2.11		
PCB-178	ND	1.40			Total pentaCB	ND	3.71		
PCB-179	ND	1.08			Total hexaCB	ND	2.61		
PCB-180	ND	1.20			Total heptaCB	ND	1.57		
PCB-181	ND	1.29			Total octaCB	1.94			J
PCB-182/187	ND	1.32			Total nonaCB	ND		4.85	J
PCB-183	ND	1.23			DecaCB	ND	1.68		
PCB-184	ND	1.12			Total PCB	9.32			
PCB-185	ND	1.24							
PCB-186	ND	1.03							
PCB-188	ND	0.987							
PCB-189	ND	1.00							
PCB-190	ND	0.963							
PCB-191	ND	0.934							
PCB-192	ND	1.00							
PCB-193	ND	0.939							
PCB-194	1.94			J					
PCB-195	ND	1.87							
PCB-196/203	ND	2.05							
PCB-197	ND	1.90							
PCB-198	ND	2.93							
PCB-199	ND	2.30							
PCB-200	ND	2.14							
PCB-201	ND	2.02							
PCB-202	ND	2.17							
PCB-204	ND	2.06							
PCB-205	ND	1.33							
PCB-206	ND		4.85						
PCB-207	ND	1.17							
PCB-208	ND	1.19							
PCB-209	ND	1.68							
Total monoCB	ND	1.32							
Total diCB	7.38								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B5E0082	Lab Sample: B5E0082-BLK1
Sample Size: 1.00 L	Date Extracted: 22-May-2015 8:43	Date Analyzed: 29-May-15 20:01 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	70.2	5 - 145		13C-PCB-157	88.2	10 - 145	
13C-PCB-3	73.4	5 - 145		13C-PCB-159	86.0	10 - 145	
13C-PCB-4	64.9	5 - 145		13C-PCB-167	87.7	10 - 145	
13C-PCB-11	74.1	5 - 145		13C-PCB-169	85.1	10 - 145	
13C-PCB-9	66.3	5 - 145		13C-PCB-170	72.0	10 - 145	
13C-PCB-19	70.9	5 - 145		13C-PCB-180	73.2	10 - 145	
13C-PCB-28	72.6	5 - 145		13C-PCB-188	62.4	10 - 145	
13C-PCB-32	73.4	5 - 145		13C-PCB-189	71.1	10 - 145	
13C-PCB-37	87.8	5 - 145		13C-PCB-194	90.0	10 - 145	
13C-PCB-47	77.1	5 - 145		13C-PCB-202	55.7	10 - 145	
13C-PCB-52	84.8	5 - 145		13C-PCB-206	86.7	10 - 145	
13C-PCB-54	70.4	5 - 145		13C-PCB-208	75.9	10 - 145	
13C-PCB-70	84.1	5 - 145		13C-PCB-209	83.0	10 - 145	
13C-PCB-77	89.8	10 - 145		CRS 13C-PCB-79	87.8	10 - 145	
13C-PCB-80	82.9	10 - 145		13C-PCB-178	72.3	10 - 145	
13C-PCB-81	87.2	10 - 145					
13C-PCB-95	83.9	10 - 145					
13C-PCB-97	88.9	10 - 145					
13C-PCB-101	82.2	10 - 145					
13C-PCB-104	74.8	10 - 145					
13C-PCB-105	107	10 - 145					
13C-PCB-114	101	10 - 145					
13C-PCB-118	91.0	10 - 145					
13C-PCB-123	92.4	10 - 145					
13C-PCB-126	107	10 - 145					
13C-PCB-127	106	10 - 145					
13C-PCB-138	87.5	10 - 145					
13C-PCB-141	86.3	10 - 145					
13C-PCB-153	85.1	10 - 145					
13C-PCB-155	55.5	10 - 145					
13C-PCB-156	88.6	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B5E0082
Date Extracted: 22-May-2015 8:43

Lab Sample: B5E0082-BS1
Date Analyzed: 29-May-15 16:47 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	747	1000	74.7	60 - 135	IS 13C-PCB-1	77.4	15 - 145
PCB-3	755	1000	75.5	60 - 135	IS 13C-PCB-3	76.3	15 - 145
PCB-4/10	1730	2000	86.5	60 - 135	IS 13C-PCB-4	66.7	15 - 145
PCB-15	860	1000	86.0	60 - 135	IS 13C-PCB-11	80.7	15 - 145
PCB-19	967	1000	96.7	60 - 135	IS 13C-PCB-9	68.8	15 - 145
PCB-37	1000	1000	100	60 - 135	IS 13C-PCB-19	69.5	15 - 145
PCB-54	987	1000	98.7	60 - 135	IS 13C-PCB-28	88.1	15 - 145
PCB-77	945	1000	94.5	60 - 135	IS 13C-PCB-32	75.2	15 - 145
PCB-81	959	1000	95.9	60 - 135	IS 13C-PCB-37	106	15 - 145
PCB-104	971	1000	97.1	60 - 135	IS 13C-PCB-47	80.4	15 - 145
PCB-105	855	1000	85.5	60 - 135	IS 13C-PCB-52	85.4	15 - 145
PCB-106/118	1940	2000	97.0	60 - 135	IS 13C-PCB-54	70.9	15 - 145
PCB-114	875	1000	87.5	60 - 135	IS 13C-PCB-70	93.7	15 - 145
PCB-123	970	1000	97.0	60 - 135	IS 13C-PCB-77	100	40 - 145
PCB-126	890	1000	89.0	60 - 135	IS 13C-PCB-80	91.4	40 - 145
PCB-155	966	1000	96.6	60 - 135	IS 13C-PCB-81	95.2	40 - 145
PCB-156	943	1000	94.3	60 - 135	IS 13C-PCB-95	94.1	40 - 145
PCB-157	927	1000	92.7	60 - 135	IS 13C-PCB-97	99.1	40 - 145
PCB-167	925	1000	92.5	60 - 135	IS 13C-PCB-101	97.8	40 - 145
PCB-169	954	1000	95.4	60 - 135	IS 13C-PCB-104	77.1	40 - 145
PCB-188	954	1000	95.4	60 - 135	IS 13C-PCB-105	129	40 - 145
PCB-189	941	1000	94.1	60 - 135	IS 13C-PCB-114	120	40 - 145
PCB-202	950	1000	95.0	60 - 135	IS 13C-PCB-118	101	40 - 145
PCB-205	901	1000	90.1	60 - 135	IS 13C-PCB-123	103	40 - 145
PCB-206	991	1000	99.1	60 - 135	IS 13C-PCB-126	133	40 - 145
PCB-208	969	1000	96.9	60 - 135	IS 13C-PCB-127	127	40 - 145
PCB-209	911	1000	91.1	60 - 135	IS 13C-PCB-138	97.6	40 - 145
					IS 13C-PCB-141	99.6	40 - 145
					IS 13C-PCB-153	94.2	40 - 145
					IS 13C-PCB-155	62.6	40 - 145
					IS 13C-PCB-156	99.3	40 - 145
					IS 13C-PCB-157	99.6	40 - 145
					IS 13C-PCB-159	97.9	40 - 145
					IS 13C-PCB-167	99.5	40 - 145
					IS 13C-PCB-169	98.7	40 - 145
					IS 13C-PCB-170	81.8	40 - 145
					IS 13C-PCB-180	83.6	40 - 145
					IS 13C-PCB-188	71.5	40 - 145
					IS 13C-PCB-189	81.3	40 - 145
					IS 13C-PCB-194	100	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B5E0082
Date Extracted: 22-May-2015 8:43

Lab Sample: B5E0082-BS1
Date Analyzed: 29-May-15 16:47 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	64.5	40 - 145
					IS 13C-PCB-206	86.1	40 - 145
					IS 13C-PCB-208	78.3	40 - 145
					IS 13C-PCB-209	80.9	40 - 145
					CRS 13C-PCB-79	102	40 - 145
					CRS 13C-PCB-178	85.6	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-01
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 10:50			QC Batch:	B5E0082
				Date Analyzed:	29-May-15 23:14
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.42			PCB-44	2.76			J
PCB-2	ND	1.45			PCB-45	ND	2.15		
PCB-3	4.87				PCB-46	ND	2.36		
PCB-4/10	ND	7.27			PCB-47	ND	1.71		
PCB-5/8	ND	5.78			PCB-48/75	ND	1.55		
PCB-6	ND	5.93			PCB-50	ND	2.14		
PCB-7/9	ND	5.86			PCB-51	ND	1.93		
PCB-11	9.67			B	PCB-52/69	4.20			J
PCB-12/13	ND	5.69			PCB-53	ND	1.97		
PCB-14	ND	4.91			PCB-54	ND	1.63		
PCB-15	ND	5.01			PCB-55	ND	1.24		
PCB-16/32	ND	1.50			PCB-56/60	2.05			J
PCB-17	ND	1.65			PCB-57	ND	1.45		
PCB-18	5.06				PCB-58	ND	1.43		
PCB-19	ND	1.98			PCB-61/70	3.58			J
PCB-20/21/33	ND	1.68			PCB-62	ND	1.51		
PCB-22	ND	1.67			PCB-63	ND	1.40		
PCB-23	ND	1.61			PCB-65	ND	1.56		
PCB-24/27	ND	1.21			PCB-66/76	ND		1.61	
PCB-25	ND	1.77			PCB-67	ND	1.49		
PCB-26	ND	1.57			PCB-68	ND	1.27		
PCB-28	ND		4.50		PCB-73	ND	1.59		
PCB-29	ND	1.61			PCB-74	1.28			J
PCB-30	ND	1.25			PCB-77	ND	1.27		
PCB-31	ND		4.24		PCB-78	ND	1.31		
PCB-34	ND	1.50			PCB-79	ND	1.31		
PCB-35	ND	1.75			PCB-80	ND	1.15		
PCB-36	ND	1.69			PCB-81	ND	1.20		
PCB-37	ND	1.63			PCB-82	ND	2.28		
PCB-38	ND	1.77			PCB-83	ND	1.36		
PCB-39	ND	1.74			PCB-84/92	2.41			J
PCB-40	ND	2.39			PCB-85/116	ND	1.62		
PCB-41/64/71/72	3.26			J	PCB-86	ND	2.18		
PCB-42/59	1.08			J	PCB-87/117/125	1.96			J
PCB-43/49	2.58			J	PCB-88/91	ND	2.09		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-01
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 10:50			QC Batch:	B5E0082
				Date Analyzed:	29-May-15 23:14
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.99			PCB-136	ND	2.51		
PCB-90/101	6.33			J	PCB-137	ND	1.71		
PCB-93	ND	2.21			PCB-138/163/164	7.79			J
PCB-94	ND	2.08			PCB-139/149	5.50			J
PCB-95/98/102	5.16			J	PCB-140	ND	3.69		
PCB-96	ND	1.67			PCB-141	1.35			J
PCB-97	ND	1.74			PCB-144	ND	3.36		
PCB-99	3.37			J	PCB-145	ND	2.63		
PCB-100	ND	1.89			PCB-146/165	1.58			J
PCB-103	ND	1.88			PCB-147	ND	3.69		
PCB-104	ND	1.44			PCB-148	ND	3.51		
PCB-105	1.50			J	PCB-150	ND	2.55		
PCB-106/118	4.43			J	PCB-151	ND	3.51		
PCB-107/109	ND	1.27			PCB-152	ND	2.46		
PCB-108/112	ND	1.60			PCB-153	5.44			
PCB-110	6.75				PCB-154	ND	3.23		
PCB-111/115	ND	1.22			PCB-155	ND	2.40		
PCB-113	ND	1.48			PCB-156	1.06			J
PCB-114	ND	1.12			PCB-157	ND	1.40		
PCB-119	ND	1.20			PCB-158/160	1.44			J
PCB-120	ND	1.14			PCB-159	ND	1.36		
PCB-121	ND	1.33			PCB-166	ND	1.46		
PCB-122	ND	1.34			PCB-167	ND	1.44		
PCB-123	ND	1.35			PCB-168	ND	1.32		
PCB-124	ND	1.30			PCB-169	ND	1.63		
PCB-126	ND	1.23			PCB-170	ND	1.19		
PCB-127	ND	1.19			PCB-171	ND	1.70		
PCB-128/162	1.00			J	PCB-172	ND	1.83		
PCB-129	ND	2.00			PCB-173	ND	2.24		
PCB-130	ND	2.19			PCB-174	3.37			J
PCB-131	ND	2.13			PCB-175	ND	1.73		
PCB-132/161	ND		1.42		PCB-176	ND	1.24		
PCB-133/142	ND	1.98			PCB-177	2.81			J
PCB-134/143	ND	1.93			PCB-178	ND	1.68		
PCB-135	ND	3.60			PCB-179	ND	1.30		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-01
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 10:50			QC Batch:	B5E0082
				Date Analyzed:	29-May-15 23:14
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		3.27		Total octaCB	ND	2.80		
PCB-181	ND	1.84			Total nonaCB	ND	1.84		
PCB-182/187	2.68			J	DecaCB	ND	1.38		
PCB-183	ND	1.48			Total PCB	106			B
PCB-184	ND	1.35							
PCB-185	ND	1.76							
PCB-186	ND	1.24							
PCB-188	ND	1.19							
PCB-189	ND	1.43							
PCB-190	ND	1.36							
PCB-191	ND	1.33							
PCB-192	ND	1.43							
PCB-193	ND	1.34							
PCB-194	ND	1.53							
PCB-195	ND	1.91							
PCB-196/203	ND	2.51							
PCB-197	ND	1.78							
PCB-198	ND	2.75							
PCB-199	ND	2.80							
PCB-200	ND	2.01							
PCB-201	ND	1.90							
PCB-202	ND	2.04							
PCB-204	ND	1.93							
PCB-205	ND	1.35							
PCB-206	ND	1.84							
PCB-207	ND	1.08							
PCB-208	ND	1.10							
PCB-209	ND	1.38							
Total monoCB	4.87								
Total diCB	9.67			B					
Total triCB	5.06		13.8						
Total tetraCB	20.8		22.4						
Total pentaCB	31.9								
Total hexaCB	25.2		26.6						
Total heptaCB	8.86		12.1						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-01
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 10:50			QC Batch:	B5E0082
				Date Analyzed:	29-May-15 23:14
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.8	5 -145		13C-PCB-170	58.1	10 -145	
13C-PCB-3	71.5	5 -145		13C-PCB-180	59.1	10 -145	
13C-PCB-4	58.1	5 -145		13C-PCB-188	58.3	10 -145	
13C-PCB-11	65.2	5 -145		13C-PCB-189	57.2	10 -145	
13C-PCB-9	60.6	5 -145		13C-PCB-194	73.4	10 -145	
13C-PCB-19	59.3	5 -145		13C-PCB-202	52.7	10 -145	
13C-PCB-28	57.5	5 -145		13C-PCB-206	72.8	10 -145	
13C-PCB-32	60.6	5 -145		13C-PCB-208	71.3	10 -145	
13C-PCB-37	68.4	5 -145		13C-PCB-209	71.6	10 -145	
13C-PCB-47	67.2	5 -145		CRS 13C-PCB-79	73.0	10 -145	
13C-PCB-52	68.8	5 -145		13C-PCB-178	62.1	10 -145	
13C-PCB-54	59.6	5 -145					
13C-PCB-70	71.6	5 -145					
13C-PCB-77	75.7	10 -145					
13C-PCB-80	71.2	10 -145					
13C-PCB-81	73.7	10 -145					
13C-PCB-95	69.6	10 -145					
13C-PCB-97	78.3	10 -145					
13C-PCB-101	75.1	10 -145					
13C-PCB-104	64.4	10 -145					
13C-PCB-105	82.7	10 -145					
13C-PCB-114	79.0	10 -145					
13C-PCB-118	75.7	10 -145					
13C-PCB-123	76.9	10 -145					
13C-PCB-126	84.3	10 -145					
13C-PCB-127	82.3	10 -145					
13C-PCB-138	76.1	10 -145					
13C-PCB-141	74.4	10 -145					
13C-PCB-153	74.2	10 -145					
13C-PCB-155	51.9	10 -145					
13C-PCB-156	74.1	10 -145					
13C-PCB-157	73.5	10 -145					
13C-PCB-159	74.1	10 -145					
13C-PCB-167	73.6	10 -145					
13C-PCB-169	70.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-02
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 11:30			QC Batch:	B5E0082
				Date Analyzed:	30-May-15 00:19
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	24.1				PCB-44	13.2			
PCB-2	1.51			J	PCB-45	4.86			J
PCB-3	7.89				PCB-46	2.11			J
PCB-4/10	101				PCB-47	3.69			J
PCB-5/8	177				PCB-48/75	3.46			J
PCB-6	32.7				PCB-50	ND	1.51		
PCB-7/9	14.1				PCB-51	1.79			J
PCB-11	12.5			B	PCB-52/69	11.2			
PCB-12/13	4.19			J	PCB-53	3.41			J
PCB-14	ND	2.48			PCB-54	ND	1.15		
PCB-15	34.6				PCB-55	ND	0.835		
PCB-16/32	78.6				PCB-56/60	3.26			J
PCB-17	38.7				PCB-57	ND	0.953		
PCB-18	118				PCB-58	ND	0.939		
PCB-19	17.3				PCB-61/70	4.99			J
PCB-20/21/33	55.9				PCB-62	ND	1.06		
PCB-22	30.2				PCB-63	ND	0.918		
PCB-23	ND	1.32			PCB-65	ND	1.09		
PCB-24/27	8.52			J	PCB-66/76	3.39			J
PCB-25	5.41				PCB-67	ND	0.978		
PCB-26	13.0				PCB-68	ND	0.895		
PCB-28	51.0				PCB-73	ND	1.09		
PCB-29	ND	1.32			PCB-74	ND		1.49	
PCB-30	ND	0.755			PCB-77	ND	0.835		
PCB-31	62.3				PCB-78	ND	0.861		
PCB-34	ND	1.23			PCB-79	ND	0.885		
PCB-35	ND	1.23			PCB-80	ND	0.775		
PCB-36	ND	1.19			PCB-81	ND	0.786		
PCB-37	6.69				PCB-82	ND	2.50		
PCB-38	ND	1.25			PCB-83	ND	1.49		
PCB-39	ND	1.23			PCB-84/92	1.68			J
PCB-40	2.60			J	PCB-85/116	ND	1.77		
PCB-41/64/71/72	9.38			J	PCB-86	ND	2.39		
PCB-42/59	4.34			J	PCB-87/117/125	1.21			J
PCB-43/49	7.94			J	PCB-88/91	ND	2.24		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-02
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 11:30			QC Batch:	B5E0082
				Date Analyzed :	30-May-15 00:19
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.19			PCB-136	ND	1.70		
PCB-90/101	ND		1.20		PCB-137	ND	1.12		
PCB-93	ND	2.37			PCB-138/163/164	ND		0.774	
PCB-94	ND	2.23			PCB-139/149	ND	2.23		
PCB-95/98/102	2.20			J	PCB-140	ND	2.50		
PCB-96	ND	1.86			PCB-141	ND	1.14		
PCB-97	ND	1.90			PCB-144	ND	2.27		
PCB-99	ND	1.75			PCB-145	ND	1.78		
PCB-100	ND	2.11			PCB-146/165	ND	1.07		
PCB-103	ND	2.10			PCB-147	ND	2.50		
PCB-104	ND	1.61			PCB-148	ND	2.38		
PCB-105	ND	1.92			PCB-150	ND	1.72		
PCB-106/118	1.42			J	PCB-151	ND	2.38		
PCB-107/109	ND	1.39			PCB-152	ND	1.66		
PCB-108/112	ND	1.76			PCB-153	ND	0.965		
PCB-110	2.59			J	PCB-154	ND	2.18		
PCB-111/115	ND	1.33			PCB-155	ND	1.62		
PCB-113	ND	1.63			PCB-156	ND	0.872		
PCB-114	ND	2.06			PCB-157	ND	0.920		
PCB-119	ND	1.32			PCB-158/160	ND	0.857		
PCB-120	ND	1.24			PCB-159	ND	0.879		
PCB-121	ND	1.43			PCB-166	ND	0.941		
PCB-122	ND	2.45			PCB-167	ND	0.915		
PCB-123	ND	1.48			PCB-168	ND	0.852		
PCB-124	ND	1.42			PCB-169	ND	1.06		
PCB-126	ND	2.26			PCB-170	ND	0.933		
PCB-127	ND	2.13			PCB-171	ND	0.936		
PCB-128/162	ND	1.04			PCB-172	ND	1.01		
PCB-129	ND	1.28			PCB-173	ND	1.23		
PCB-130	ND	1.44			PCB-174	ND	1.06		
PCB-131	ND	1.37			PCB-175	ND	0.917		
PCB-132/161	ND	1.03			PCB-176	ND	0.660		
PCB-133/142	ND	1.27			PCB-177	ND	1.08		
PCB-134/143	ND	1.24			PCB-178	ND	0.893		
PCB-135	ND	2.44			PCB-179	ND	0.690		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-02
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 11:30			QC Batch:	B5E0082
				Date Analyzed :	30-May-15 00:19
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.941			Total octaCB	0.730			J, B
PCB-181	ND	1.01			Total nonaCB	ND	1.70		
PCB-182/187	ND	0.845			DecaCB	ND	1.29		
PCB-183	ND	0.785			Total PCB	985			B
PCB-184	ND	0.717							
PCB-185	ND	0.970							
PCB-186	ND	0.659							
PCB-188	ND	0.631							
PCB-189	ND	0.755							
PCB-190	ND	0.693							
PCB-191	ND	0.732							
PCB-192	ND	0.784							
PCB-193	ND	0.736							
PCB-194	0.730			J, B					
PCB-195	ND	0.838							
PCB-196/203	ND	2.02							
PCB-197	ND	1.44							
PCB-198	ND	2.22							
PCB-199	ND	2.26							
PCB-200	ND	1.62							
PCB-201	ND	1.53							
PCB-202	ND	1.64							
PCB-204	ND	1.56							
PCB-205	ND	0.593							
PCB-206	ND	1.70							
PCB-207	ND	0.783							
PCB-208	ND	0.793							
PCB-209	ND	1.29							
Total monoCB	33.5								
Total diCB	376			B					
Total triCB	486								
Total tetraCB	79.7		81.1						
Total pentaCB	9.10		10.3						
Total hexaCB	ND		0.774	J					
Total heptaCB	ND	1.23							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-02
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 11:30			QC Batch:	B5E0082
				Date Analyzed :	30-May-15 00:19
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	79.3	5 -145		13C-PCB-170	73.4	10 -145	
13C-PCB-3	84.0	5 -145		13C-PCB-180	71.9	10 -145	
13C-PCB-4	69.8	5 -145		13C-PCB-188	73.7	10 -145	
13C-PCB-11	77.6	5 -145		13C-PCB-189	71.7	10 -145	
13C-PCB-9	70.5	5 -145		13C-PCB-194	97.0	10 -145	
13C-PCB-19	71.8	5 -145		13C-PCB-202	62.3	10 -145	
13C-PCB-28	66.0	5 -145		13C-PCB-206	98.8	10 -145	
13C-PCB-32	74.0	5 -145		13C-PCB-208	88.8	10 -145	
13C-PCB-37	86.5	5 -145		13C-PCB-209	94.1	10 -145	
13C-PCB-47	79.6	5 -145		CRS 13C-PCB-79	94.4	10 -145	
13C-PCB-52	83.8	5 -145		13C-PCB-178	80.0	10 -145	
13C-PCB-54	70.4	5 -145					
13C-PCB-70	89.6	5 -145					
13C-PCB-77	95.2	10 -145					
13C-PCB-80	88.2	10 -145					
13C-PCB-81	92.1	10 -145					
13C-PCB-95	86.2	10 -145					
13C-PCB-97	96.7	10 -145					
13C-PCB-101	91.9	10 -145					
13C-PCB-104	78.2	10 -145					
13C-PCB-105	105	10 -145					
13C-PCB-114	98.7	10 -145					
13C-PCB-118	94.2	10 -145					
13C-PCB-123	94.7	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	106	10 -145					
13C-PCB-138	95.7	10 -145					
13C-PCB-141	93.8	10 -145					
13C-PCB-153	93.2	10 -145					
13C-PCB-155	59.7	10 -145					
13C-PCB-156	92.0	10 -145					
13C-PCB-157	90.7	10 -145					
13C-PCB-159	92.8	10 -145					
13C-PCB-167	95.2	10 -145					
13C-PCB-169	89.9	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-03
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:00			QC Batch:	B5E0082
				Date Analyzed :	30-May-15 01:24
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	23.8				PCB-44	13.6			
PCB-2	1.70			J	PCB-45	4.05			J
PCB-3	8.63				PCB-46	3.02			J
PCB-4/10	97.3				PCB-47	2.46			J
PCB-5/8	177				PCB-48/75	ND		2.61	
PCB-6	33.8				PCB-50	ND	1.47		
PCB-7/9	15.3				PCB-51	1.13			J
PCB-11	20.6			B	PCB-52/69	10.6			
PCB-12/13	4.68			J	PCB-53	3.50			J
PCB-14	ND	5.01			PCB-54	ND	1.12		
PCB-15	34.1				PCB-55	ND	0.844		
PCB-16/32	78.0				PCB-56/60	3.67			J
PCB-17	40.7				PCB-57	ND	0.957		
PCB-18	119				PCB-58	ND	0.943		
PCB-19	17.8				PCB-61/70	5.18			J
PCB-20/21/33	47.9				PCB-62	ND	1.07		
PCB-22	27.9				PCB-63	ND	0.922		
PCB-23	ND	1.41			PCB-65	ND	1.11		
PCB-24/27	9.01			J	PCB-66/76	3.51			J
PCB-25	5.06				PCB-67	ND	0.982		
PCB-26	10.6				PCB-68	ND	0.905		
PCB-28	55.7				PCB-73	ND	1.07		
PCB-29	ND	1.41			PCB-74	2.20			J
PCB-30	ND	0.630			PCB-77	ND	0.841		
PCB-31	46.4				PCB-78	ND	0.884		
PCB-34	ND	1.31			PCB-79	ND	0.896		
PCB-35	ND	1.45			PCB-80	ND	0.784		
PCB-36	ND	1.40			PCB-81	ND	0.807		
PCB-37	6.85				PCB-82	ND	3.28		
PCB-38	ND	1.46			PCB-83	ND	1.98		
PCB-39	ND	1.44			PCB-84/92	1.84			J
PCB-40	3.18			J	PCB-85/116	ND	2.37		
PCB-41/64/71/72	10.2			J	PCB-86	ND	3.19		
PCB-42/59	4.40			J	PCB-87/117/125	ND	2.07		
PCB-43/49	7.64			J	PCB-88/91	ND	2.96		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-03
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:00			QC Batch:	B5E0082
				Date Analyzed :	30-May-15 01:24
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.92			PCB-136	ND	2.53		
PCB-90/101	3.60			J	PCB-137	ND	1.38		
PCB-93	ND	3.13			PCB-138/163/164	2.79			J
PCB-94	ND	2.94			PCB-139/149	ND		2.28	
PCB-95/98/102	3.15			J	PCB-140	ND	3.72		
PCB-96	ND	2.43			PCB-141	ND	1.41		
PCB-97	ND	2.54			PCB-144	ND	3.38		
PCB-99	1.55			J	PCB-145	ND	2.65		
PCB-100	ND	2.76			PCB-146/165	ND	1.30		
PCB-103	ND	2.75			PCB-147	ND	3.72		
PCB-104	ND	2.10			PCB-148	ND	3.54		
PCB-105	0.861			J	PCB-150	ND	2.57		
PCB-106/118	2.65			J	PCB-151	ND	3.54		
PCB-107/109	ND	1.82			PCB-152	ND	2.48		
PCB-108/112	ND	2.34			PCB-153	1.72			J
PCB-110	3.68			J	PCB-154	ND	3.25		
PCB-111/115	ND	1.77			PCB-155	ND	2.42		
PCB-113	ND	2.17			PCB-156	ND	1.08		
PCB-114	ND	0.615			PCB-157	ND	1.12		
PCB-119	ND	1.75			PCB-158/160	ND	1.06		
PCB-120	ND	1.66			PCB-159	ND	1.09		
PCB-121	ND	1.89			PCB-166	ND	1.17		
PCB-122	ND	0.733			PCB-167	ND	1.12		
PCB-123	ND	1.95			PCB-168	ND	1.03		
PCB-124	ND	1.87			PCB-169	ND	1.31		
PCB-126	ND	0.650			PCB-170	ND	1.23		
PCB-127	ND	0.627			PCB-171	ND	1.24		
PCB-128/162	ND	1.29			PCB-172	ND	1.33		
PCB-129	ND	1.59			PCB-173	ND	1.63		
PCB-130	ND	1.77			PCB-174	ND	1.40		
PCB-131	ND	1.66			PCB-175	ND	1.18		
PCB-132/161	ND	1.25			PCB-176	ND	0.850		
PCB-133/142	ND	1.54			PCB-177	ND	1.42		
PCB-134/143	ND	1.51			PCB-178	ND	1.15		
PCB-135	ND	3.63			PCB-179	ND	0.889		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-03	Date Received:	19-May-2015 9:24
Project:	Stiller Pond	Sample Size:	1.03 L	QC Batch:	B5E0082	Date Extracted:	22-May-2015 8:43
Date Collected:	18-May-2015 12:00			Date Analyzed :	30-May-15 01:24	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.24			Total octaCB	ND	3.04		
PCB-181	ND	1.33			Total nonaCB	ND	2.28		
PCB-182/187	ND	1.09			DecaCB	ND	1.76		
PCB-183	ND	1.01			Total PCB	982			B
PCB-184	ND	0.924							
PCB-185	ND	1.28							
PCB-186	ND	0.849							
PCB-188	ND	0.813							
PCB-189	ND	1.06							
PCB-190	ND	0.912							
PCB-191	ND	0.968							
PCB-192	ND	1.04							
PCB-193	ND	0.973							
PCB-194	ND	1.64							
PCB-195	ND	1.86							
PCB-196/203	ND	2.72							
PCB-197	ND	1.93							
PCB-198	ND	2.99							
PCB-199	ND	3.04							
PCB-200	ND	2.18							
PCB-201	ND	2.06							
PCB-202	ND	2.21							
PCB-204	ND	2.10							
PCB-205	ND	1.31							
PCB-206	ND	2.28							
PCB-207	ND	1.04							
PCB-208	ND	1.06							
PCB-209	ND	1.76							
Total monoCB	34.1								
Total diCB	383			B					
Total triCB	465								
Total tetraCB	78.4		81.0						
Total pentaCB	17.3								
Total hexaCB	4.51		6.80						
Total heptaCB	ND	1.63							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-03
Project:	Stiller Pond	Sample Size:	1.03 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:00			QC Batch:	B5E0082
				Date Analyzed:	30-May-15 01:24
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	68.5	5 -145		13C-PCB-170	58.2	10 -145	
13C-PCB-3	71.0	5 -145		13C-PCB-180	57.4	10 -145	
13C-PCB-4	60.5	5 -145		13C-PCB-188	58.1	10 -145	
13C-PCB-11	66.0	5 -145		13C-PCB-189	55.0	10 -145	
13C-PCB-9	62.1	5 -145		13C-PCB-194	74.7	10 -145	
13C-PCB-19	63.7	5 -145		13C-PCB-202	47.6	10 -145	
13C-PCB-28	62.5	5 -145		13C-PCB-206	79.3	10 -145	
13C-PCB-32	65.0	5 -145		13C-PCB-208	70.7	10 -145	
13C-PCB-37	75.1	5 -145		13C-PCB-209	77.5	10 -145	
13C-PCB-47	65.6	5 -145		CRS 13C-PCB-79	76.2	10 -145	
13C-PCB-52	69.5	5 -145		13C-PCB-178	63.7	10 -145	
13C-PCB-54	59.1	5 -145					
13C-PCB-70	71.4	5 -145					
13C-PCB-77	75.8	10 -145					
13C-PCB-80	71.3	10 -145					
13C-PCB-81	73.6	10 -145					
13C-PCB-95	69.8	10 -145					
13C-PCB-97	76.2	10 -145					
13C-PCB-101	72.9	10 -145					
13C-PCB-104	62.0	10 -145					
13C-PCB-105	80.8	10 -145					
13C-PCB-114	75.6	10 -145					
13C-PCB-118	77.3	10 -145					
13C-PCB-123	78.6	10 -145					
13C-PCB-126	81.8	10 -145					
13C-PCB-127	80.5	10 -145					
13C-PCB-138	75.3	10 -145					
13C-PCB-141	74.5	10 -145					
13C-PCB-153	74.3	10 -145					
13C-PCB-155	50.1	10 -145					
13C-PCB-156	72.6	10 -145					
13C-PCB-157	71.3	10 -145					
13C-PCB-159	72.7	10 -145					
13C-PCB-167	73.5	10 -145					
13C-PCB-169	70.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:40			QC Batch:	B5E0082
				Date Analyzed:	01-Jun-15 22:59
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	18.9				PCB-44	11.4			
PCB-2	ND		1.39		PCB-45	4.63			J
PCB-3	7.69				PCB-46	ND	1.87		
PCB-4/10	78.4				PCB-47	59.4			
PCB-5/8	153				PCB-48/75	ND		1.35	
PCB-6	29.2				PCB-50	ND	1.70		
PCB-7/9	12.2				PCB-51	14.5			
PCB-11	13.8			B	PCB-52/69	9.02			J
PCB-12/13	ND	7.56			PCB-53	4.40			J
PCB-14	ND	6.51			PCB-54	ND	1.29		
PCB-15	27.2				PCB-55	ND	0.891		
PCB-16/32	59.2				PCB-56/60	2.93			J
PCB-17	30.8				PCB-57	ND	1.00		
PCB-18	89.0				PCB-58	ND	0.989		
PCB-19	12.3				PCB-61/70	4.40			J
PCB-20/21/33	44.9				PCB-62	ND	1.27		
PCB-22	23.9				PCB-63	ND	0.967		
PCB-23	ND	0.999			PCB-65	ND	1.31		
PCB-24/27	6.97			J	PCB-66/76	3.35			J
PCB-25	5.02				PCB-67	ND	1.03		
PCB-26	ND		8.94		PCB-68	8.41			
PCB-28	43.3				PCB-73	ND	1.26		
PCB-29	ND	0.999			PCB-74	1.48			J
PCB-30	ND	0.689			PCB-77	ND	0.877		
PCB-31	50.2				PCB-78	ND	1.01		
PCB-34	ND	0.929			PCB-79	ND	0.945		
PCB-35	ND	0.930			PCB-80	ND	0.827		
PCB-36	ND	0.899			PCB-81	ND	0.926		
PCB-37	ND		5.37		PCB-82	ND	3.49		
PCB-38	ND	0.940			PCB-83	ND	2.13		
PCB-39	ND	0.926			PCB-84/92	ND	2.95		
PCB-40	2.60			J	PCB-85/116	ND	2.54		
PCB-41/64/71/72	8.67			J	PCB-86	ND	3.43		
PCB-42/59	ND		3.31		PCB-87/117/125	ND	2.23		
PCB-43/49	7.63			J	PCB-88/91	ND	3.25		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:40			QC Batch:	B5E0082
				Date Analyzed :	01-Jun-15 22:59
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.17			PCB-136	ND	3.01		
PCB-90/101	ND	2.62			PCB-137	ND	1.66		
PCB-93	ND	3.44			PCB-138/163/164	ND	1.46		
PCB-94	ND	3.24			PCB-139/149	ND	3.95		
PCB-95/98/102	ND	2.84			PCB-140	ND	4.43		
PCB-96	ND	2.53			PCB-141	ND	1.69		
PCB-97	ND	2.73			PCB-144	ND	4.02		
PCB-99	ND	2.53			PCB-145	ND	3.15		
PCB-100	ND	2.87			PCB-146/165	ND	1.60		
PCB-103	ND	2.85			PCB-147	ND	4.42		
PCB-104	ND	2.18			PCB-148	ND	4.21		
PCB-105	ND	1.78			PCB-150	ND	3.05		
PCB-106/118	ND	1.92			PCB-151	ND	4.21		
PCB-107/109	ND	1.94			PCB-152	ND	2.94		
PCB-108/112	ND	2.52			PCB-153	ND		1.40	
PCB-110	ND	2.08			PCB-154	ND	3.87		
PCB-111/115	ND	1.91			PCB-155	ND	2.87		
PCB-113	ND	2.36			PCB-156	ND	1.34		
PCB-114	ND	1.95			PCB-157	ND	1.38		
PCB-119	ND	1.89			PCB-158/160	ND	1.36		
PCB-120	ND	1.78			PCB-159	ND	1.35		
PCB-121	ND	2.08			PCB-166	ND	1.44		
PCB-122	ND	2.32			PCB-167	ND	1.39		
PCB-123	ND	2.07			PCB-168	ND	1.28		
PCB-124	ND	1.99			PCB-169	ND	1.71		
PCB-126	ND	2.17			PCB-170	ND	1.83		
PCB-127	ND	2.11			PCB-171	ND	1.71		
PCB-128/162	ND	1.59			PCB-172	ND	1.84		
PCB-129	ND	2.03			PCB-173	ND	2.26		
PCB-130	ND	2.13			PCB-174	ND	1.93		
PCB-131	ND	2.05			PCB-175	ND	1.71		
PCB-132/161	ND	1.55			PCB-176	ND	1.23		
PCB-133/142	ND	1.91			PCB-177	ND	1.97		
PCB-134/143	ND	1.86			PCB-178	ND	1.66		
PCB-135	ND	4.32			PCB-179	ND	1.29		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:40			QC Batch:	B5E0082
				Date Analyzed:	01-Jun-15 22:59
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.72			Total octaCB	ND	4.36		
PCB-181	ND	1.85			Total nonaCB	ND	3.49		
PCB-182/187	ND	1.57			DecaCB	ND	2.61		
PCB-183	ND	1.46			Total PCB	848			B
PCB-184	ND	1.34							
PCB-185	ND	1.77							
PCB-186	ND	1.23							
PCB-188	ND	1.18							
PCB-189	ND	1.43							
PCB-190	ND	1.36							
PCB-191	ND	1.34							
PCB-192	ND	1.43							
PCB-193	ND	1.35							
PCB-194	ND	1.97							
PCB-195	ND	2.24							
PCB-196/203	ND	3.90							
PCB-197	ND	2.77							
PCB-198	ND	4.29							
PCB-199	ND	4.36							
PCB-200	ND	3.13							
PCB-201	ND	2.95							
PCB-202	ND	3.17							
PCB-204	ND	3.01							
PCB-205	ND	1.58							
PCB-206	ND	3.49							
PCB-207	ND	1.47							
PCB-208	ND	1.49							
PCB-209	ND	2.61							
Total monoCB	26.6		28.0						
Total diCB	313			B					
Total triCB	366		380						
Total tetraCB	143		147						
Total pentaCB	ND	3.49							
Total hexaCB	ND		1.40	J					
Total heptaCB	ND	2.26							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 12:40			QC Batch:	B5E0082
				Date Analyzed:	01-Jun-15 22:59
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	79.6	5 -145		13C-PCB-170	69.7	10 -145	
13C-PCB-3	77.3	5 -145		13C-PCB-180	70.3	10 -145	
13C-PCB-4	72.4	5 -145		13C-PCB-188	70.2	10 -145	
13C-PCB-11	80.7	5 -145		13C-PCB-189	70.1	10 -145	
13C-PCB-9	74.5	5 -145		13C-PCB-194	87.4	10 -145	
13C-PCB-19	74.1	5 -145		13C-PCB-202	53.5	10 -145	
13C-PCB-28	73.9	5 -145		13C-PCB-206	74.8	10 -145	
13C-PCB-32	75.2	5 -145		13C-PCB-208	69.7	10 -145	
13C-PCB-37	89.7	5 -145		13C-PCB-209	68.6	10 -145	
13C-PCB-47	72.9	5 -145		CRS 13C-PCB-79	92.1	10 -145	
13C-PCB-52	75.4	5 -145		13C-PCB-178	80.9	10 -145	
13C-PCB-54	66.0	5 -145					
13C-PCB-70	86.8	5 -145					
13C-PCB-77	92.5	10 -145					
13C-PCB-80	86.7	10 -145					
13C-PCB-81	88.0	10 -145					
13C-PCB-95	83.0	10 -145					
13C-PCB-97	91.3	10 -145					
13C-PCB-101	88.6	10 -145					
13C-PCB-104	74.6	10 -145					
13C-PCB-105	118	10 -145					
13C-PCB-114	111	10 -145					
13C-PCB-118	91.3	10 -145					
13C-PCB-123	92.3	10 -145					
13C-PCB-126	117	10 -145					
13C-PCB-127	116	10 -145					
13C-PCB-138	89.4	10 -145					
13C-PCB-141	89.9	10 -145					
13C-PCB-153	88.6	10 -145					
13C-PCB-155	57.5	10 -145					
13C-PCB-156	88.3	10 -145					
13C-PCB-157	87.5	10 -145					
13C-PCB-159	90.1	10 -145					
13C-PCB-167	88.9	10 -145					
13C-PCB-169	85.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-05
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 13:00			QC Batch:	B5E0082
				Date Analyzed :	02-Jun-15 00:04
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	23.9				PCB-44	12.7			
PCB-2	ND		1.67		PCB-45	4.95			
PCB-3	9.28				PCB-46	1.88			J
PCB-4/10	98.5				PCB-47	2.70			J
PCB-5/8	182				PCB-48/75	2.46			J
PCB-6	34.5				PCB-50	ND	2.35		
PCB-7/9	15.4				PCB-51	1.20			J
PCB-11	14.6			B	PCB-52/69	10.6			
PCB-12/13	ND	9.49			PCB-53	3.56			J
PCB-14	ND	8.18			PCB-54	ND	1.78		
PCB-15	34.5				PCB-55	ND	1.16		
PCB-16/32	72.9				PCB-56/60	2.53			J
PCB-17	36.0				PCB-57	ND	1.36		
PCB-18	109				PCB-58	ND	1.34		
PCB-19	14.5				PCB-61/70	4.31			J
PCB-20/21/33	50.6				PCB-62	ND	1.58		
PCB-22	27.8				PCB-63	ND	1.31		
PCB-23	ND	1.20			PCB-65	ND	1.63		
PCB-24/27	8.50			J	PCB-66/76	ND		2.74	
PCB-25	6.29				PCB-67	ND	1.39		
PCB-26	12.0				PCB-68	ND	1.34		
PCB-28	49.7				PCB-73	ND	1.59		
PCB-29	ND	1.20			PCB-74	ND		1.56	
PCB-30	ND	1.02			PCB-77	ND	1.12		
PCB-31	57.2				PCB-78	ND	1.18		
PCB-34	ND	1.12			PCB-79	ND	1.23		
PCB-35	ND	1.14			PCB-80	ND	1.07		
PCB-36	ND	1.10			PCB-81	ND	1.08		
PCB-37	6.87				PCB-82	ND	3.76		
PCB-38	ND	1.15			PCB-83	ND	2.31		
PCB-39	ND	1.13			PCB-84/92	ND	3.45		
PCB-40	3.01			J	PCB-85/116	ND	2.76		
PCB-41/64/71/72	8.53			J	PCB-86	ND	3.72		
PCB-42/59	4.87			J	PCB-87/117/125	ND	2.42		
PCB-43/49	6.91			J	PCB-88/91	ND	3.70		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-05
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 13:00			QC Batch:	B5E0082
				Date Analyzed:	02-Jun-15 00:04
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.71			PCB-136	ND	3.66		
PCB-90/101	ND	3.06			PCB-137	ND	1.44		
PCB-93	ND	3.92			PCB-138/163/164	0.643			J
PCB-94	ND	3.68			PCB-139/149	ND	4.80		
PCB-95/98/102	2.94			J	PCB-140	ND	5.37		
PCB-96	ND	3.10			PCB-141	ND	1.47		
PCB-97	ND	2.96			PCB-144	ND	4.88		
PCB-99	ND	2.96			PCB-145	ND	3.82		
PCB-100	ND	3.52			PCB-146/165	ND	1.39		
PCB-103	ND	3.50			PCB-147	ND	5.36		
PCB-104	ND	2.68			PCB-148	ND	5.11		
PCB-105	ND	2.36			PCB-150	ND	3.70		
PCB-106/118	ND	2.18			PCB-151	ND	5.11		
PCB-107/109	ND	2.09			PCB-152	ND	3.57		
PCB-108/112	ND	2.73			PCB-153	ND	1.26		
PCB-110	ND	2.26			PCB-154	ND	4.69		
PCB-111/115	ND	2.07			PCB-155	ND	3.49		
PCB-113	ND	2.76			PCB-156	ND	1.19		
PCB-114	ND	2.59			PCB-157	ND	1.29		
PCB-119	ND	2.05			PCB-158/160	ND	1.23		
PCB-120	ND	1.94			PCB-159	ND	1.21		
PCB-121	ND	2.36			PCB-166	ND	1.29		
PCB-122	ND	3.08			PCB-167	ND	1.22		
PCB-123	ND	2.23			PCB-168	ND	1.11		
PCB-124	ND	2.14			PCB-169	ND	1.58		
PCB-126	ND	2.96			PCB-170	ND	1.26		
PCB-127	ND	2.76			PCB-171	ND	1.29		
PCB-128/162	ND	1.43			PCB-172	ND	1.39		
PCB-129	ND	1.84			PCB-173	ND	1.70		
PCB-130	ND	1.84			PCB-174	ND	1.46		
PCB-131	ND	1.78			PCB-175	ND	1.25		
PCB-132/161	ND	1.35			PCB-176	ND	0.896		
PCB-133/142	ND	1.66			PCB-177	ND	1.48		
PCB-134/143	ND	1.62			PCB-178	ND	1.21		
PCB-135	ND	5.24			PCB-179	ND	0.937		

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EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-05
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 13:00			QC Batch:	B5E0082
				Date Analyzed :	02-Jun-15 00:04
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.29			Total octaCB	ND	3.59		
PCB-181	ND	1.39			Total nonaCB	ND	4.31		
PCB-182/187	ND	1.15			DecaCB	ND	3.25		
PCB-183	ND	1.07			Total PCB	938			B
PCB-184	ND	0.974							
PCB-185	ND	1.34							
PCB-186	ND	0.895							
PCB-188	ND	0.857							
PCB-189	ND	1.07							
PCB-190	ND	0.936							
PCB-191	ND	1.01							
PCB-192	ND	1.08							
PCB-193	ND	1.01							
PCB-194	ND	2.10							
PCB-195	ND	2.38							
PCB-196/203	ND	3.21							
PCB-197	ND	2.28							
PCB-198	ND	3.53							
PCB-199	ND	3.59							
PCB-200	ND	2.57							
PCB-201	ND	2.43							
PCB-202	ND	2.61							
PCB-204	ND	2.48							
PCB-205	ND	1.68							
PCB-206	ND	4.31							
PCB-207	ND	1.92							
PCB-208	ND	1.94							
PCB-209	ND	3.25							
Total monoCB	33.2		34.8						
Total diCB	380			B					
Total triCB	451								
Total tetraCB	70.2		74.5						
Total pentaCB	2.94			J					
Total hexaCB	0.643			J					
Total heptaCB	ND	1.70							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1500441-05
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	19-May-2015 9:24
Date Collected:	18-May-2015 13:00			QC Batch:	B5E0082
				Date Analyzed :	02-Jun-15 00:04
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	61.7	5 -145		13C-PCB-170	66.9	10 -145	
13C-PCB-3	61.6	5 -145		13C-PCB-180	66.8	10 -145	
13C-PCB-4	56.6	5 -145		13C-PCB-188	67.0	10 -145	
13C-PCB-11	66.8	5 -145		13C-PCB-189	65.1	10 -145	
13C-PCB-9	58.9	5 -145		13C-PCB-194	79.8	10 -145	
13C-PCB-19	58.4	5 -145		13C-PCB-202	49.2	10 -145	
13C-PCB-28	63.0	5 -145		13C-PCB-206	69.9	10 -145	
13C-PCB-32	62.1	5 -145		13C-PCB-208	61.0	10 -145	
13C-PCB-37	79.7	5 -145		13C-PCB-209	63.6	10 -145	
13C-PCB-47	65.0	5 -145		CRS 13C-PCB-79	79.2	10 -145	
13C-PCB-52	68.9	5 -145		13C-PCB-178	66.7	10 -145	
13C-PCB-54	53.9	5 -145					
13C-PCB-70	74.9	5 -145					
13C-PCB-77	84.4	10 -145					
13C-PCB-80	75.9	10 -145					
13C-PCB-81	80.8	10 -145					
13C-PCB-95	71.9	10 -145					
13C-PCB-97	84.0	10 -145					
13C-PCB-101	76.1	10 -145					
13C-PCB-104	64.6	10 -145					
13C-PCB-105	112	10 -145					
13C-PCB-114	102	10 -145					
13C-PCB-118	83.7	10 -145					
13C-PCB-123	86.7	10 -145					
13C-PCB-126	111	10 -145					
13C-PCB-127	109	10 -145					
13C-PCB-138	84.3	10 -145					
13C-PCB-141	85.7	10 -145					
13C-PCB-153	84.3	10 -145					
13C-PCB-155	52.7	10 -145					
13C-PCB-156	83.7	10 -145					
13C-PCB-157	81.2	10 -145					
13C-PCB-159	84.9	10 -145					
13C-PCB-167	85.6	10 -145					
13C-PCB-169	78.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	011
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	3138
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1500441 TAT Std

Samples Arrival:	Date/Time <u>05/19/15 0924</u>	Initials: <u>UPBB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>NA</u>
Logged In:	Date/Time <u>05/19/15 1004</u>	Initials: <u>UPBB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>C4</u>
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: <u>1.3</u> (uncorrected)	Time: <u>0935</u>		Thermometer ID: IR-1
Temp °C: <u>1.4</u> (corrected)			

		YES	NO	NA
Adequate Sample Volume Received?	<u>A & B containers</u>	<input checked="" type="checkbox"/>		
Holding Time Acceptable?		<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?		<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?		<input checked="" type="checkbox"/>		
Shipping Documentation Present?		<input checked="" type="checkbox"/>		
Airbill	Trk # <u>1Z 62E 3F7 010575 0366</u>	<input checked="" type="checkbox"/>		
Sample Container Intact?		<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?				<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?		<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?			<input checked="" type="checkbox"/>	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				<input checked="" type="checkbox"/>
Na ₂ S ₂ O ₃ Preservation Documented?	COC		Sample Container	<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>	Return
				Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 26, 2015

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-11198 - Stiller Pond Soil Sampling

Dear Mr. Steve Patten,

Your project: Stiller Pond Soil Sampling, was received on Thursday June 04, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report
QC Reports
Chain of Custody



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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

Client Name: Walla Walla Basin Watershed Council
 810 South Main Street
 Milton-Freewater, OR 97862

Reference Number: **15-11198**
 Project: Stiller Pond Soil Sampling

Report Date: 6/26/15

Date Received: 6/4/15

Approved by: fm,mvp

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Soil #1 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25298		Sample Comment:							Collected By: Steve Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	3.4	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	855	74.3		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #2 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25299		Sample Comment:							Collected By: Steve Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.1	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	635	71.8		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #3 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25300		Sample Comment:							Collected By: Steve Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.7	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	833	66.8		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #4 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25301		Sample Comment:							Collected By: Steve Patten			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.3	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	800	73.5		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Data Report

Sample Description: Soil #5 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25302				Sample Comment:						Collected By: Steve Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.9	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	760	71.7		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #6 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25303				Sample Comment:						Collected By: Steve Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.7	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	707	69.4		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #7 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25304				Sample Comment:						Collected By: Steve Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	2.6	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	738	74.5		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #8 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25305				Sample Comment:						Collected By: Steve Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	2.9	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	640	76.2		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #9 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25306				Sample Comment:						Collected By: Steve Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	5.4	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	545	68.4		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Sample Description: Soil #10 - Stiller Pond										Sample Date: 6/3/15 12:00 am		
Lab Number: 25307				Sample Comment:						Collected By: Steve Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	5.6	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		6/24/15	KEB	SOILTEST_150624	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	545	70.8		mg/Kg	10.0	6010B/3051	a	6/10/15	BJ	6010B-150610B	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25307
Field ID: Soil #10
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.30	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.30	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.30	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.30	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.30	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.30	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.30	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.325	0.25		1.30	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25306
Field ID: Soil #9
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.30	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.30	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.30	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.30	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.30	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.30	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.30	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.325	0.25		1.30	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25305
Field ID: Soil #8
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	0.001		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25304
Field ID: Soil #7
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25303
Field ID: Soil #6
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25302
Field ID: Soil #5
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.40	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0006	0.0004		1.40	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0006	0.0004		1.40	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0006	0.0004		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0006	0.0004		1.40	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0006	0.0004		1.40	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.350	0.25		1.40	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

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DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25301
Field ID: Soil #4
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25300
Field ID: Soil #3
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25299
Field ID: Soil #2
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.30	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.30	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.30	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.30	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0325	0.0004		1.30	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0016	0.0004		1.30	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.30	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.30	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.30	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0325	0.0004		1.30	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.30	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.30	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.30	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.30	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.30	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.325	0.25		1.30	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11198**
Project: Stiller Pond Soil Sampling

Lab Number: 25298
Field ID: Soil #1
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/26/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0425	0.0004		1.70	a	S
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0007	0.0004		1.70	a	S
319-85-7	BHC, BETA -	ND		mg/Kg	0.0007	0.0004		1.70	a	S
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0007	0.0004		1.70	a	S
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0007	0.0004		1.70	a	S
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0007	0.0004		1.70	a	S
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0007	0.0004		1.70	a	S
50-29-3	4,4' - DDT	ND	P	mg/Kg	0.0007	0.0004		1.70	a	S
72-55-9	4,4' - DDE	0.003		mg/Kg	0.0007	0.0004		1.70	a	S
72-54-8	4,4' - DDD	ND		mg/Kg	0.0007	0.0004		1.70	a	S
60-57-1	DIELDRIN	ND		mg/Kg	0.0007	0.0004		1.70	a	S
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0007	0.0004		1.70	a	S
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0007	0.0004		1.70	a	S
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0007	0.0004		1.70	a	S
72-20-8	ENDRIN	ND		mg/Kg	0.0007	0.0004		1.70	a	S
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0007	0.0004		1.70	a	S
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0007	0.0004		1.70	a	S
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0007	0.0004		1.70	a	S
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0007	0.0004		1.70	a	S
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0007	0.0004		1.70	a	S
8001-35-2	TOXAPHENE	ND		mg/Kg	0.425	0.25		1.70	a	S

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

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**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Calibration Check

Reference Number: **15-11198**

Report Date: 06/26/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
6010B-150610B	2 TOTAL PHOSPHORUS	9.76	10	mg/L	6010B	98	90-110	CAL		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Laboratory Fortified Blank

Reference Number: **15-11198**

Report Date: 06/26/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
6010B-150610B	0 TOTAL PHOSPHORUS	9.14	10	mg/L	6010B	91	85-115	LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Laboratory Reagent Blank

Reference Number: **15-11198**

Report Date: 06/26/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
6010B-150610B	0 TOTAL PHOSPHORUS	ND		mg/L	6010B		0-0		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **15-11198**

Report Date: 06/26/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
6010B-150610B	0 TOTAL PHOSPHORUS	0.07		mg/L	6010B		0-0	MB	
8081B_150608	0 4,4' - DDD	ND		mg/Kg	8081B		0-0	MB	
	0 4,4' - DDE	ND		mg/Kg	8081B		0-0	MB	
	0 4,4' - DDT	ND		mg/Kg	8081B		0-0	MB	
	0 ALDRIN	ND		mg/Kg	8081B		0-0	MB	
	0 ALPHA-CHLORDANE	ND		mg/Kg	8081B		0-0	MB	
	0 BHC, ALPHA -	ND		mg/Kg	8081B		0-0	MB	
	0 BHC, BETA -	ND		mg/Kg	8081B		0-0	MB	
	0 BHC, DELTA -	ND		mg/Kg	8081B		0-0	MB	
	0 DIELDRIN	ND		mg/Kg	8081B		0-0	MB	
	0 ENDOSULFAN I	ND		mg/Kg	8081B		0-0	MB	
	0 ENDOSULFAN II	ND		mg/Kg	8081B		0-0	MB	
	0 ENDOSULFAN SULFATE	ND		mg/Kg	8081B		0-0	MB	
	0 ENDRIN	ND		mg/Kg	8081B		0-0	MB	
	0 ENDRIN ALDEHYDE	ND		mg/Kg	8081B		0-0	MB	
	0 ENDRIN KETONE	ND		mg/Kg	8081B		0-0	MB	
	0 GAMMA-CHLORDANE	ND		mg/Kg	8081B		0-0	MB	
	0 HEPTACHLOR	ND		mg/Kg	8081B		0-0	MB	
	0 HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	8081B		0-0	MB	
	0 LINDANE (BHC - GAMMA)	ND		mg/Kg	8081B		0-0	MB	
	0 METHOXYCHLOR	ND		mg/Kg	8081B		0-0	MB	
	0 TOXAPHENE	ND		ug/L	8081B		0-0	MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: **15-11198**

Report Date: 06/26/15

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
6010B-150610B	0 TOTAL PHOSPHORUS	9.94	10	mg/L	6010B	99	90-110	QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



SAMPLE DEPENDENT
 QUALITY CONTROL REPORT
 Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
Duplicate											
6010B-150610B											
	25304	TOTAL PHOSPHORUS	738	730		mg/Kg	1.1	0-20			DUP
	25658	TOTAL PHOSPHORUS	856	960		mg/Kg	11.5	0-20			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
6010B-150610B															
	25304	TOTAL PHOSPHORUS	738	2633	2334	1550	mg/Kg	122	103	75-125	17.1	0-20			LFM
	25658	TOTAL PHOSPHORUS	856	2335	2232	1347	mg/Kg	110	102	75-125	7.2	0-20			LFM
8081B_150608															
	25298	4,4' - DDD	ND	0.101	0.095	0.085	mg/Kg	119	112	78-132	6.1	0-0			LFM
	25298	4,4' - DDE	0.003	0.083	0.084	0.085	mg/Kg	94	95	73-127	1.2	0-0			LFM
	25298	4,4' - DDT	ND	0.0	0.000	0.085	mg/Kg	0	0	56-158	NA	0-0	P		LFM
	25298	ALDRIN	ND	0.082	0.081	0.085	mg/Kg	96	95	68-128	1.2	0-0			LFM
	25298	ALPHA-CHLORDANE	ND	0.070	0.070	0.085	mg/Kg	82	82	70-130	0.0	0-0			LFM
	25298	BHC, ALPHA -	ND	0.076	0.077	0.085	mg/Kg	89	91	37-134	1.3	0-0			LFM
	25298	BHC, BETA -	ND	0.164	0.169	0.085	mg/Kg	193	199	17-147	3.0	0-0	CO		LFM
	25298	BHC, DELTA -	ND	0.068	0.068	0.085	mg/Kg	80	80	32-127	0.0	0-0			LFM
	25298	DIELDRIN	ND	0.089	0.085	0.085	mg/Kg	105	100	74-134	4.6	0-0			LFM
	25298	ENDOSULFAN I	ND	0.082	0.081	0.085	mg/Kg	96	95	67-133	1.2	0-0			LFM
	25298	ENDOSULFAN II	ND	0.076	0.075	0.085	mg/Kg	89	88	64-142	1.3	0-0			LFM
	25298	ENDOSULFAN SULFATE	ND	0.063	0.058	0.085	mg/Kg	74	68	71-143	8.3	0-0			LFM
	25298	ENDRIN	ND	0.073	0.071	0.085	mg/Kg	86	84	30-147	2.8	0-0			LFM
	25298	ENDRIN ALDEHYDE	ND	0.063	0.063	0.085	mg/Kg	74	74	70-130	0.0	0-0			LFM
	25298	ENDRIN KETONE	ND	0.041	0.031	0.085	mg/Kg	48	36	70-130	27.8	0-0			LFM
	25298	GAMMA-CHLORDANE	ND	0.081	0.080	0.085	mg/Kg	95	94	74-124	1.2	0-0			LFM
	25298	HEPTACHLOR	ND	0.041	0.027	0.085	mg/Kg	48	32	61-133	41.2	0-0			LFM
	25298	HEPTACHLOR EPOXIDE "B"	ND	0.090	0.089	0.085	mg/Kg	106	105	73-127	1.1	0-0			LFM
	25298	LINDANE (BHC - GAMMA)	ND	0.056	0.049	0.085	mg/Kg	66	58	19-140	13.3	0-0			LFM
	25298	METHOXYCHLOR	ND	0.063	0.058	0.085	mg/Kg	74	68	41-157	8.3	0-0			LFM
	25653	4,4' - DDD	ND	0.058		0.05	mg/Kg	116	NA	78-132	NA	0-0			LFM
	25653	4,4' - DDE	ND	0.043		0.05	mg/Kg	86	NA	73-127	NA	0-0			LFM
	25653	4,4' - DDT	ND	0.024		0.05	mg/Kg	48	NA	56-158	NA	0-0			LFM
	25653	ALDRIN	ND	0.049		0.05	mg/Kg	98	NA	68-128	NA	0-0			LFM
	25653	ALPHA-CHLORDANE	ND	0.043		0.05	mg/Kg	86	NA	70-130	NA	0-0			LFM
	25653	BHC, ALPHA -	ND	0.044		0.05	mg/Kg	88	NA	37-134	NA	0-0			LFM
	25653	BHC, BETA -	ND	0.038		0.05	mg/Kg	76	NA	17-147	NA	0-0			LFM
	25653	BHC, DELTA -	ND	0.043		0.05	mg/Kg	86	NA	32-127	NA	0-0			LFM
	25653	DIELDRIN	ND	0.049		0.05	mg/Kg	98	NA	74-134	NA	0-0			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	25653	ENDOSULFAN I	ND	0.047		0.05	mg/Kg	94	NA	67-133	NA	0-0			LFM
	25653	ENDOSULFAN II	ND	0.056		0.05	mg/Kg	112	NA	64-142	NA	0-0			LFM
	25653	ENDOSULFAN SULFATE	ND	0.051		0.05	mg/Kg	102	NA	71-143	NA	0-0			LFM
	25653	ENDRIN	ND	0.050		0.05	mg/Kg	100	NA	30-147	NA	0-0			LFM
	25653	ENDRIN ALDEHYDE	ND	0.044		0.05	mg/Kg	88	NA	70-130	NA	0-0			LFM
	25653	ENDRIN KETONE	ND	0.046		0.05	mg/Kg	92	NA	70-130	NA	0-0			LFM
	25653	GAMMA-CHLORDANE	ND	0.045		0.05	mg/Kg	90	NA	74-124	NA	0-0			LFM
	25653	HEPTACHLOR	ND	0.044		0.05	mg/Kg	88	NA	61-133	NA	0-0			LFM
	25653	HEPTACHLOR EPOXIDE "B"	ND	0.051		0.05	mg/Kg	102	NA	73-127	NA	0-0			LFM
	25653	LINDANE (BHC - GAMMA)	ND	0.042		0.05	mg/Kg	84	NA	19-140	NA	0-0			LFM
	25653	METHOXYCHLOR	ND	0.051		0.05	mg/Kg	102	NA	41-157	NA	0-0			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 15-11198

Report Date: 06/26/15

Qualifier	Definition
CO	There is co-elution of a background compound, that could not be resolved at the amount fortified in the sample, result is biased high.
CV	The end calibration verification was significantly below the acceptance criterion of 80%. Low recovery is a result of this sample's high boiling material residue analyzed prior affecting chromatography. Data if reported, is suspect as biased low.
P	The Laboratory Fortified Blank was within limits. No recovery on the MS/MSD indicates matrix effects. Detection at the reported amount may not of been achieved.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Cour	Bill to:	Ref #
Ship Address: 810 S Main Street	Address:	For Lab Use Only
City: Milton-Freewater, OR Zip: 97862	City: St. Zip:	Check Regulatory Program
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires	<input type="checkbox"/> RCRA / CERCLA
Project: Stiller Pond Soil Sampling	Card#:	<input type="checkbox"/> Other

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard

Half-time (50% surcharge)

Quickest (100% surcharge) Phone Call Req.

Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A (Chlorinated Pesticides)	Nitrate as N, Total Phosphorus	For Lab Use Only					Containers	Special Instructions	
1	SOIL #1 STEVEN PATTEN	Gas	S	6-3-15	11:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
2	SOIL #2				12:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
3	SOIL #3				12:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
4	SOIL #4				12:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
5	SOIL #5				12:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
6	SOIL #6				12:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
7	SOIL #7				12:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
8	SOIL #8				12:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
9	SOIL #9					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
10	SOIL #10					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Same Email: steven.patten@wwbwc.org						20 Total Containers									

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water WW - waste water OL - oil GW - Ground water S - soil Other

Relinquished by	Date	Time	Received by	Date	Time
STEVEN PATTEN	6-3-15	13:45	UPDS	6-4-15	09:30

Custody seals intact Yes No N/A

Sample temp. satisfactory C satisfactory

Samples received intact

Chain of custody & labels agree

Containers

15-11198

25298 - 25307

Special Instructions
Conditions on Receipt

July 04, 2015

Vista Project I.D.: 1500497

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on June 04, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1500497

Case Narrative

Sample Condition on Receipt:

Fourteen soil samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	68
Certifications.....	69
Sample Receipt.....	70

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1500497-01	Soil #1	03-Jun-15 11:55	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-02	Soil #2	03-Jun-15 12:00	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-03	Soil #3	03-Jun-15 12:10	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-04	Soil #4	03-Jun-15 12:15	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-05	Soil #5	03-Jun-15 12:20	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-06	Soil #6	03-Jun-15 12:25	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-07	Soil #7	03-Jun-15 12:30	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-08	Soil #8	03-Jun-15 12:35	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-09	Soil #9	03-Jun-15 12:40	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-10	Soil #10	03-Jun-15 12:45	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-11	LCR #1	03-Jun-15 11:05	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-12	LCR #2	03-Jun-15 11:10	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-13	LCR #3	03-Jun-15 11:20	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-14	LCR #4	03-Jun-15 11:25	04-Jun-15 10:28	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0040	Lab Sample: B5F0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Jun-2015 15:54	Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-43/49	ND	0.475		
PCB-2	ND	1.17			PCB-44	ND	0.600		
PCB-3	ND	1.17			PCB-45	ND	0.519		
PCB-4/10	ND	4.81			PCB-46	ND	0.569		
PCB-5/8	ND	4.06			PCB-47	ND	0.436		
PCB-6	ND	4.17			PCB-48/75	ND	0.394		
PCB-7/9	ND	4.12			PCB-50	ND	0.553		
PCB-11	ND	3.36			PCB-51	ND	0.465		
PCB-12/13	ND	3.99			PCB-52/69	ND	0.419		
PCB-14	ND	3.44			PCB-53	ND	0.475		
PCB-15	ND	3.51			PCB-54	ND	0.420		
PCB-16/32	ND	0.391			PCB-55	ND	0.303		
PCB-17	ND	0.428			PCB-56/60	ND	0.337		
PCB-18	ND	0.462			PCB-57	ND	0.339		
PCB-19	ND	0.501			PCB-58	ND	0.334		
PCB-20/21/33	ND	0.415			PCB-61/70	ND	0.337		
PCB-22	ND	0.413			PCB-62	ND	0.385		
PCB-23	ND	0.397			PCB-63	ND	0.326		
PCB-24/27	ND	0.315			PCB-65	ND	0.397		
PCB-25	ND	0.438			PCB-66/76	ND	0.321		
PCB-26	ND	0.388			PCB-67	ND	0.347		
PCB-28	ND	0.388			PCB-68	ND	0.325		
PCB-29	ND	0.397			PCB-73	ND	0.383		
PCB-30	ND	0.317			PCB-74	ND	0.313		
PCB-31	ND	0.384			PCB-77	ND	0.310		
PCB-34	ND	0.369			PCB-78	ND	0.336		
PCB-35	ND	0.378			PCB-79	ND	0.321		
PCB-36	ND	0.365			PCB-80	ND	0.281		
PCB-37	ND	0.352			PCB-81	ND	0.307		
PCB-38	ND	0.382			PCB-82	ND	1.11		
PCB-39	ND	0.376			PCB-83	ND	0.697		
PCB-40	ND	0.610			PCB-84/92	ND	0.943		
PCB-41/64/71/72	ND	0.391			PCB-85/116	ND	0.832		
PCB-42/59	ND	0.423			PCB-86	ND	1.12		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B5F0040
Date Extracted: 09-Jun-2015 15:54Lab Sample: B5F0040-BLK1
Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.728			PCB-133/142	ND	0.800		
PCB-88/91	ND	0.958			PCB-134/143	ND	0.781		
PCB-89	ND	1.01			PCB-135	ND	0.840		
PCB-90/101	ND	0.838			PCB-136	ND	0.586		
PCB-93	ND	1.01			PCB-137	ND	0.689		
PCB-94	ND	0.953			PCB-138/163/164	ND	0.593		
PCB-95/98/102	ND	0.835			PCB-139/149	ND	0.769		
PCB-96	ND	0.706			PCB-140	ND	0.861		
PCB-97	ND	0.892			PCB-141	ND	0.702		
PCB-99	ND	0.809			PCB-144	ND	0.782		
PCB-100	ND	0.801			PCB-145	ND	0.612		
PCB-103	ND	0.796			PCB-146/165	ND	0.672		
PCB-104	ND	0.610			PCB-147	ND	0.859		
PCB-105	ND	0.643			PCB-148	ND	0.819		
PCB-106/118	ND	0.606			PCB-150	ND	0.593		
PCB-107/109	ND	0.618			PCB-151	ND	0.818		
PCB-108/112	ND	0.824			PCB-152	ND	0.573		
PCB-110	ND	0.681			PCB-153	ND	0.607		
PCB-111/115	ND	0.624			PCB-154	ND	0.752		
PCB-113	ND	0.754			PCB-155	ND	0.559		
PCB-114	ND	0.669			PCB-156	ND	0.513		
PCB-119	ND	0.616			PCB-157	ND	0.516		
PCB-120	ND	0.583			PCB-158/160	ND	0.554		
PCB-121	ND	0.611			PCB-159	ND	0.527		
PCB-122	ND	0.796			PCB-166	ND	0.565		
PCB-123	ND	0.659			PCB-167	ND	0.548		
PCB-124	ND	0.633			PCB-168	ND	0.536		
PCB-126	ND	0.662			PCB-169	ND	0.529		
PCB-127	ND	0.664			PCB-170	ND	0.481		
PCB-128/162	ND	0.623			PCB-171	ND	0.476		
PCB-129	ND	0.827			PCB-172	ND	0.512		
PCB-130	ND	0.882			PCB-173	ND	0.627		
PCB-131	ND	0.860			PCB-174	ND	0.538		
PCB-132/161	ND	0.650			PCB-175	ND	0.526		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Solid		QC Batch: B5F0040			Lab Sample: B5F0040-BLK1				
Sample Size: 10.0 g		Date Extracted: 09-Jun-2015 15:54			Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.378			Total triCB	ND	0.501		
PCB-177	ND	0.547			Total tetraCB	ND	0.610		
PCB-178	ND	0.512			Total pentaCB	ND	1.12		
PCB-179	ND	0.396			Total hexaCB	ND	0.882		
PCB-180	ND	0.478			Total heptaCB	ND	0.627		
PCB-181	ND	0.514			Total octaCB	0.378			
PCB-182/187	ND	0.485			Total nonaCB	ND	0.504		
PCB-183	ND	0.450			DecaCB	ND	0.277		
PCB-184	ND	0.412			Total PCB	0.378			
PCB-185	ND	0.493							
PCB-186	ND	0.378							
PCB-188	ND	0.362							
PCB-189	ND	0.321							
PCB-190	ND	0.357							
PCB-191	ND	0.372							
PCB-192	ND	0.399							
PCB-193	ND	0.374							
PCB-194	0.378			J					
PCB-195	ND	0.413							
PCB-196/203	ND	0.790							
PCB-197	ND	0.562							
PCB-198	ND	0.869							
PCB-199	ND	0.884							
PCB-200	ND	0.633							
PCB-201	ND	0.598							
PCB-202	ND	0.643							
PCB-204	ND	0.610							
PCB-205	ND	0.292							
PCB-206	ND	0.504							
PCB-207	ND	0.317							
PCB-208	ND	0.321							
PCB-209	ND	0.277							
Total monoCB	ND	1.17							
Total diCB	ND	4.81							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0040	Lab Sample: B5F0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Jun-2015 15:54	Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	110	5 - 145		13C-PCB-157	96.7	10 - 145	
13C-PCB-3	107	5 - 145		13C-PCB-159	94.5	10 - 145	
13C-PCB-4	86.4	5 - 145		13C-PCB-167	94.8	10 - 145	
13C-PCB-11	93.1	5 - 145		13C-PCB-169	98.4	10 - 145	
13C-PCB-9	86.2	5 - 145		13C-PCB-170	98.4	10 - 145	
13C-PCB-19	106	5 - 145		13C-PCB-180	99.7	10 - 145	
13C-PCB-28	83.2	5 - 145		13C-PCB-188	93.7	10 - 145	
13C-PCB-32	107	5 - 145		13C-PCB-189	105	10 - 145	
13C-PCB-37	96.7	5 - 145		13C-PCB-194	99.7	10 - 145	
13C-PCB-47	93.3	5 - 145		13C-PCB-202	95.6	10 - 145	
13C-PCB-52	94.9	5 - 145		13C-PCB-206	105	10 - 145	
13C-PCB-54	80.4	5 - 145		13C-PCB-208	90.2	10 - 145	
13C-PCB-70	97.0	5 - 145		13C-PCB-209	106	10 - 145	
13C-PCB-77	96.3	10 - 145		CRS 13C-PCB-79	93.2	10 - 145	
13C-PCB-80	96.9	10 - 145		13C-PCB-178	98.4	10 - 145	
13C-PCB-81	94.2	10 - 145					
13C-PCB-95	97.8	10 - 145					
13C-PCB-97	98.4	10 - 145					
13C-PCB-101	97.7	10 - 145					
13C-PCB-104	95.9	10 - 145					
13C-PCB-105	95.6	10 - 145					
13C-PCB-114	91.0	10 - 145					
13C-PCB-118	101	10 - 145					
13C-PCB-123	104	10 - 145					
13C-PCB-126	104	10 - 145					
13C-PCB-127	101	10 - 145					
13C-PCB-138	93.0	10 - 145					
13C-PCB-141	94.8	10 - 145					
13C-PCB-153	91.3	10 - 145					
13C-PCB-155	89.0	10 - 145					
13C-PCB-156	98.9	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B5F0040
Date Extracted: 09-Jun-2015 15:54

Lab Sample: B5F0040-BS1
Date Analyzed: 12-Jun-15 17:58 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	404	500	80.8	60 - 135	IS 13C-PCB-1	59.1	15 - 145
PCB-3	404	500	80.9	60 - 135	IS 13C-PCB-3	72.9	15 - 145
PCB-4/10	866	1000	86.6	60 - 135	IS 13C-PCB-4	64.0	15 - 145
PCB-15	438	500	87.7	60 - 135	IS 13C-PCB-11	80.4	15 - 145
PCB-19	477	500	95.4	60 - 135	IS 13C-PCB-9	66.8	15 - 145
PCB-37	520	500	104	60 - 135	IS 13C-PCB-19	89.5	15 - 145
PCB-54	486	500	97.1	60 - 135	IS 13C-PCB-28	82.1	15 - 145
PCB-77	466	500	93.2	60 - 135	IS 13C-PCB-32	94.6	15 - 145
PCB-81	454	500	90.9	60 - 135	IS 13C-PCB-37	96.4	15 - 145
PCB-104	493	500	98.5	60 - 135	IS 13C-PCB-47	86.1	15 - 145
PCB-105	433	500	86.5	60 - 135	IS 13C-PCB-52	89.2	15 - 145
PCB-106/118	971	1000	97.1	60 - 135	IS 13C-PCB-54	72.2	15 - 145
PCB-114	439	500	87.7	60 - 135	IS 13C-PCB-70	92.0	15 - 145
PCB-123	491	500	98.2	60 - 135	IS 13C-PCB-77	94.8	40 - 145
PCB-126	451	500	90.1	60 - 135	IS 13C-PCB-80	92.8	40 - 145
PCB-155	529	500	106	60 - 135	IS 13C-PCB-81	91.5	40 - 145
PCB-156	467	500	93.4	60 - 135	IS 13C-PCB-95	95.3	40 - 145
PCB-157	468	500	93.6	60 - 135	IS 13C-PCB-97	98.2	40 - 145
PCB-167	468	500	93.5	60 - 135	IS 13C-PCB-101	95.8	40 - 145
PCB-169	489	500	97.7	60 - 135	IS 13C-PCB-104	91.0	40 - 145
PCB-188	470	500	94.0	60 - 135	IS 13C-PCB-105	95.4	40 - 145
PCB-189	474	500	94.8	60 - 135	IS 13C-PCB-114	90.9	40 - 145
PCB-202	490	500	98.0	60 - 135	IS 13C-PCB-118	101	40 - 145
PCB-205	455	500	91.0	60 - 135	IS 13C-PCB-123	103	40 - 145
PCB-206	508	500	102	60 - 135	IS 13C-PCB-126	102	40 - 145
PCB-208	495	500	98.9	60 - 135	IS 13C-PCB-127	97.2	40 - 145
PCB-209	483	500	96.6	60 - 135	IS 13C-PCB-138	92.7	40 - 145
					IS 13C-PCB-141	90.9	40 - 145
					IS 13C-PCB-153	90.3	40 - 145
					IS 13C-PCB-155	85.6	40 - 145
					IS 13C-PCB-156	95.4	40 - 145
					IS 13C-PCB-157	94.8	40 - 145
					IS 13C-PCB-159	92.2	40 - 145
					IS 13C-PCB-167	96.3	40 - 145
					IS 13C-PCB-169	98.5	40 - 145
					IS 13C-PCB-170	99.8	40 - 145
					IS 13C-PCB-180	97.4	40 - 145
					IS 13C-PCB-188	95.4	40 - 145
					IS 13C-PCB-189	98.2	40 - 145
					IS 13C-PCB-194	100	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B5F0040
Date Extracted: 09-Jun-2015 15:54

Lab Sample: B5F0040-BS1
Date Analyzed: 12-Jun-15 17:58 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	96.3	40 - 145
					IS 13C-PCB-206	95.5	40 - 145
					IS 13C-PCB-208	85.4	40 - 145
					IS 13C-PCB-209	97.3	40 - 145
					CRS 13C-PCB-79	94.0	40 - 145
					CRS 13C-PCB-178	102	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.2 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	Date Analyzed :	12-Jun-15 23:19	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	11.1				PCB-44	9.89			
PCB-2	30.3				PCB-45	ND	0.856		
PCB-3	23.1				PCB-46	ND	0.938		
PCB-4/10	ND	3.48			PCB-47	5.68			
PCB-5/8	ND	2.80			PCB-48/75	0.790			J
PCB-6	ND	2.87			PCB-50	ND	0.838		
PCB-7/9	ND	2.84			PCB-51	ND	0.767		
PCB-11	27.4				PCB-52/69	16.4			
PCB-12/13	7.77				PCB-53	0.835			J
PCB-14	ND	2.18			PCB-54	ND	0.637		
PCB-15	9.38				PCB-55	ND		0.656	
PCB-16/32	ND	0.454			PCB-56/60	15.2			
PCB-17	ND	0.497			PCB-57	ND	0.572		
PCB-18	2.62				PCB-58	ND	0.563		
PCB-19	ND	0.623			PCB-61/70	40.0			
PCB-20/21/33	5.30			J	PCB-62	ND	0.616		
PCB-22	3.65				PCB-63	0.818			J
PCB-23	ND	0.538			PCB-65	ND	0.635		
PCB-24/27	ND	0.366			PCB-66/76	23.5			
PCB-25	0.939			J	PCB-67	ND	0.587		
PCB-26	1.43			J	PCB-68	1.12			J
PCB-28	8.90				PCB-73	ND	0.631		
PCB-29	ND	0.538			PCB-74	7.23			
PCB-30	ND	0.394			PCB-77	11.8			
PCB-31	7.84				PCB-78	ND	0.583		
PCB-34	ND	0.501			PCB-79	2.44			
PCB-35	ND		2.24		PCB-80	ND	0.481		
PCB-36	ND	0.505			PCB-81	ND	0.532		
PCB-37	11.3				PCB-82	12.4			
PCB-38	ND		1.65		PCB-83	ND	0.994		
PCB-39	ND	0.520			PCB-84/92	42.8			
PCB-40	1.53			J	PCB-85/116	37.6			
PCB-41/64/71/72	7.26			J	PCB-86	ND	1.60		
PCB-42/59	2.44			J	PCB-87/117/125	50.4			
PCB-43/49	18.5				PCB-88/91	14.8			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01
Project:	Stiller Pond	Sample Size:	11.2 g	QC Batch:	B5F0040
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	Date Received:	04-Jun-2015 10:28
				Date Extracted:	10-Jun-2015 11:18
				Date Analyzed :	12-Jun-15 23:19
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.52			PCB-136	16.8			
PCB-90/101	150				PCB-137	16.5			
PCB-93	ND	1.56			PCB-138/163/164	330			
PCB-94	ND	1.46			PCB-139/149	192			
PCB-95/98/102	46.6				PCB-140	1.31			J
PCB-96	ND	1.06			PCB-141	40.9			
PCB-97	28.6				PCB-144	7.58			
PCB-99	89.6				PCB-145	ND	0.971		
PCB-100	ND	1.20			PCB-146/165	40.7			
PCB-103	0.786			J	PCB-147	8.17			
PCB-104	ND	0.912			PCB-148	ND	1.30		
PCB-105	71.5				PCB-150	ND	0.942		
PCB-106/118	161				PCB-151	45.2			
PCB-107/109	14.9				PCB-152	ND	0.909		
PCB-108/112	5.03				PCB-153	279			
PCB-110	165				PCB-154	2.44			
PCB-111/115	ND		1.21		PCB-155	ND	0.886		
PCB-113	ND	1.13			PCB-156	29.1			
PCB-114	2.00			J	PCB-157	10.3			
PCB-119	2.28			J	PCB-158/160	27.0			
PCB-120	0.931			J	PCB-159	ND	0.698		
PCB-121	ND	0.940			PCB-166	0.866			J
PCB-122	2.30			J	PCB-167	16.5			
PCB-123	6.05				PCB-168	0.567			J
PCB-124	11.7				PCB-169	0.762			J
PCB-126	3.43				PCB-170	65.0			
PCB-127	ND	2.72			PCB-171	17.7			
PCB-128/162	59.2				PCB-172	13.9			
PCB-129	10.6				PCB-173	1.77			J
PCB-130	25.5				PCB-174	75.6			
PCB-131	ND	1.05			PCB-175	3.24			
PCB-132/161	49.9				PCB-176	5.83			
PCB-133/142	7.36				PCB-177	46.6			
PCB-134/143	8.18				PCB-178	17.4			
PCB-135	32.8				PCB-179	28.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	QC Batch:	B5F0040
				Date Analyzed:	12-Jun-15 23:19
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	149				Total octaCB	218		219	
PCB-181	ND	0.676			Total nonaCB	78.8			
PCB-182/187	99.2				DecaCB	70.3			
PCB-183	29.9				Total PCB	3460			
PCB-184	ND		0.807						
PCB-185	8.33								
PCB-186	ND	0.471							
PCB-188	ND	0.450							
PCB-189	3.76								
PCB-190	16.2								
PCB-191	2.87								
PCB-192	ND	0.524							
PCB-193	9.44								
PCB-194	38.7			B					
PCB-195	17.5								
PCB-196/203	58.5								
PCB-197	ND		1.23						
PCB-198	3.18								
PCB-199	64.7								
PCB-200	8.00								
PCB-201	5.81								
PCB-202	19.2								
PCB-204	ND	0.705							
PCB-205	2.66								
PCB-206	53.7								
PCB-207	6.40								
PCB-208	18.7								
PCB-209	70.3								
Total monoCB	64.5								
Total diCB	44.5								
Total triCB	41.9		45.8						
Total tetraCB	165		166						
Total pentaCB	920		921						
Total hexaCB	1260								
Total heptaCB	594		595						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	QC Batch:	B5F0040
				Date Analyzed:	12-Jun-15 23:19
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	91.6	5 -145		13C-PCB-170	98.6	10 -145	
13C-PCB-3	86.3	5 -145		13C-PCB-180	98.8	10 -145	
13C-PCB-4	76.7	5 -145		13C-PCB-188	99.2	10 -145	
13C-PCB-11	95.2	5 -145		13C-PCB-189	94.1	10 -145	
13C-PCB-9	79.9	5 -145		13C-PCB-194	96.2	10 -145	
13C-PCB-19	99.8	5 -145		13C-PCB-202	96.1	10 -145	
13C-PCB-28	95.2	5 -145		13C-PCB-206	99.9	10 -145	
13C-PCB-32	107	5 -145		13C-PCB-208	94.3	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	103	10 -145	
13C-PCB-47	96.0	5 -145		CRS 13C-PCB-79	94.1	10 -145	
13C-PCB-52	99.7	5 -145		13C-PCB-178	100	10 -145	
13C-PCB-54	85.8	5 -145					
13C-PCB-70	95.9	5 -145					
13C-PCB-77	97.0	10 -145					
13C-PCB-80	96.1	10 -145					
13C-PCB-81	92.8	10 -145					
13C-PCB-95	98.3	10 -145					
13C-PCB-97	104	10 -145					
13C-PCB-101	99.1	10 -145					
13C-PCB-104	99.1	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	95.2	10 -145					
13C-PCB-118	100	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	99.7	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	102	10 -145					
13C-PCB-153	97.9	10 -145					
13C-PCB-155	87.1	10 -145					
13C-PCB-156	97.7	10 -145					
13C-PCB-157	97.0	10 -145					
13C-PCB-159	98.2	10 -145					
13C-PCB-167	96.0	10 -145					
13C-PCB-169	94.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.99			J	PCB-44	4.73			
PCB-2	4.78				PCB-45	ND	0.764		
PCB-3	4.83				PCB-46	ND	0.838		
PCB-4/10	ND	3.74			PCB-47	3.48			
PCB-5/8	ND	2.91			PCB-48/75	ND		0.425	
PCB-6	ND	2.99			PCB-50	ND	0.784		
PCB-7/9	ND	2.95			PCB-51	ND	0.685		
PCB-11	8.63				PCB-52/69	6.49			
PCB-12/13	ND	2.28			PCB-53	ND	0.699		
PCB-14	ND	1.97			PCB-54	ND	0.595		
PCB-15	5.53				PCB-55	ND	0.461		
PCB-16/32	ND	0.416			PCB-56/60	8.81			
PCB-17	ND	0.456			PCB-57	ND	0.513		
PCB-18	ND	0.492			PCB-58	ND	0.506		
PCB-19	ND	0.567			PCB-61/70	21.0			
PCB-20/21/33	ND		1.91		PCB-62	ND	0.588		
PCB-22	1.80			J	PCB-63	ND	0.494		
PCB-23	ND	0.564			PCB-65	ND	0.607		
PCB-24/27	ND	0.336			PCB-66/76	12.6			
PCB-25	ND	0.622			PCB-67	ND	0.527		
PCB-26	ND	0.551			PCB-68	0.688			J
PCB-28	5.65				PCB-73	ND	0.563		
PCB-29	ND	0.564			PCB-74	3.93			
PCB-30	ND	0.359			PCB-77	7.78			
PCB-31	3.89				PCB-78	ND	0.482		
PCB-34	ND	0.525			PCB-79	1.68			J
PCB-35	ND	0.549			PCB-80	ND	0.429		
PCB-36	ND	0.531			PCB-81	ND	0.440		
PCB-37	6.21				PCB-82	6.52			
PCB-38	ND	0.555			PCB-83	ND	0.768		
PCB-39	ND	0.547			PCB-84/92	21.0			
PCB-40	0.607			J	PCB-85/116	23.5			
PCB-41/64/71/72	3.83			J	PCB-86	ND	1.24		
PCB-42/59	1.33			J	PCB-87/117/125	27.1			
PCB-43/49	8.44				PCB-88/91	7.69			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.12			PCB-136	7.71			
PCB-90/101	83.9				PCB-137	11.6			
PCB-93	ND	1.19			PCB-138/163/164	229			
PCB-94	ND	1.12			PCB-139/149	121			
PCB-95/98/102	14.8				PCB-140	ND		0.449	
PCB-96	ND	0.788			PCB-141	26.6			
PCB-97	13.8				PCB-144	4.43			
PCB-99	55.9				PCB-145	ND	0.782		
PCB-100	ND	0.894			PCB-146/165	32.3			
PCB-103	ND	0.890			PCB-147	4.81			
PCB-104	ND	0.682			PCB-148	ND	1.05		
PCB-105	43.6				PCB-150	ND	0.758		
PCB-106/118	91.0				PCB-151	27.0			
PCB-107/109	11.3				PCB-152	ND	0.731		
PCB-108/112	2.66			J	PCB-153	195			
PCB-110	101				PCB-154	2.00			J
PCB-111/115	0.874			J	PCB-155	ND	0.713		
PCB-113	0.391			J	PCB-156	22.2			
PCB-114	1.07			J	PCB-157	7.71			
PCB-119	1.32			J	PCB-158/160	18.7			
PCB-120	0.910			J	PCB-159	ND	0.583		
PCB-121	ND	0.717			PCB-166	0.738			J
PCB-122	1.69			J	PCB-167	12.9			
PCB-123	3.95				PCB-168	ND	0.586		
PCB-124	7.51				PCB-169	ND	0.591		
PCB-126	2.21			J	PCB-170	47.8			
PCB-127	ND	1.67			PCB-171	11.7			
PCB-128/162	44.0				PCB-172	9.61			
PCB-129	8.35				PCB-173	1.57			J
PCB-130	20.1				PCB-174	49.0			
PCB-131	ND	0.941			PCB-175	1.77			J
PCB-132/161	34.7				PCB-176	4.06			
PCB-133/142	5.34				PCB-177	30.8			
PCB-134/143	4.23			J	PCB-178	12.6			
PCB-135	20.3				PCB-179	17.2			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	105				Total octaCB	158			
PCB-181	0.680			J	Total nonaCB	47.8		51.5	
PCB-182/187	71.4				DecaCB	37.0			
PCB-183	23.7				Total PCB	2160			
PCB-184	ND	0.407							
PCB-185	ND		4.80						
PCB-186	ND	0.374							
PCB-188	ND	0.358							
PCB-189	2.32			J					
PCB-190	10.8								
PCB-191	1.74			J					
PCB-192	ND	0.388							
PCB-193	6.52								
PCB-194	29.5			B					
PCB-195	10.8								
PCB-196/203	41.4								
PCB-197	1.12			J					
PCB-198	2.66								
PCB-199	49.7								
PCB-200	4.85								
PCB-201	4.57								
PCB-202	12.1								
PCB-204	ND	0.600							
PCB-205	1.70			J					
PCB-206	35.7								
PCB-207	ND		3.66						
PCB-208	12.1								
PCB-209	37.0								
Total monoCB	11.6								
Total diCB	14.2								
Total triCB	17.5		19.5						
Total tetraCB	85.4		85.9						
Total pentaCB	524								
Total hexaCB	861								
Total heptaCB	408		413						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.4	5 -145		13C-PCB-170	101	10 -145	
13C-PCB-3	84.7	5 -145		13C-PCB-180	97.9	10 -145	
13C-PCB-4	67.5	5 -145		13C-PCB-188	92.5	10 -145	
13C-PCB-11	95.2	5 -145		13C-PCB-189	100	10 -145	
13C-PCB-9	73.2	5 -145		13C-PCB-194	94.9	10 -145	
13C-PCB-19	96.2	5 -145		13C-PCB-202	93.9	10 -145	
13C-PCB-28	97.1	5 -145		13C-PCB-206	97.8	10 -145	
13C-PCB-32	104	5 -145		13C-PCB-208	88.3	10 -145	
13C-PCB-37	105	5 -145		13C-PCB-209	102	10 -145	
13C-PCB-47	93.3	5 -145		CRS 13C-PCB-79	95.7	10 -145	
13C-PCB-52	98.3	5 -145		13C-PCB-178	96.8	10 -145	
13C-PCB-54	78.5	5 -145					
13C-PCB-70	94.4	5 -145					
13C-PCB-77	97.8	10 -145					
13C-PCB-80	93.6	10 -145					
13C-PCB-81	94.4	10 -145					
13C-PCB-95	94.6	10 -145					
13C-PCB-97	101	10 -145					
13C-PCB-101	97.0	10 -145					
13C-PCB-104	98.3	10 -145					
13C-PCB-105	95.9	10 -145					
13C-PCB-114	90.2	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	106	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	99.5	10 -145					
13C-PCB-138	95.1	10 -145					
13C-PCB-141	93.5	10 -145					
13C-PCB-153	89.4	10 -145					
13C-PCB-155	86.1	10 -145					
13C-PCB-156	98.8	10 -145					
13C-PCB-157	96.4	10 -145					
13C-PCB-159	96.0	10 -145					
13C-PCB-167	98.2	10 -145					
13C-PCB-169	99.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	10.8 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	Date Analyzed :	13-Jun-15 01:28	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.98			PCB-44	5.50			
PCB-2	ND	1.92			PCB-45	ND	0.663		
PCB-3	ND	1.92			PCB-46	ND	0.727		
PCB-4/10	ND	4.05			PCB-47	3.47			
PCB-5/8	ND	3.11			PCB-48/75	ND		0.664	
PCB-6	ND	3.20			PCB-50	ND	0.753		
PCB-7/9	ND	3.16			PCB-51	ND	0.594		
PCB-11	4.58				PCB-52/69	9.29			
PCB-12/13	ND	2.63			PCB-53	ND	0.607		
PCB-14	ND	2.27			PCB-54	ND	0.572		
PCB-15	2.95				PCB-55	ND	0.391		
PCB-16/32	ND	0.400			PCB-56/60	7.09			
PCB-17	ND	0.438			PCB-57	ND	0.436		
PCB-18	1.55			J	PCB-58	ND	0.429		
PCB-19	ND	0.567			PCB-61/70	18.2			
PCB-20/21/33	ND		1.52		PCB-62	ND	0.487		
PCB-22	ND		1.42		PCB-63	ND	0.420		
PCB-23	ND	0.496			PCB-65	ND	0.502		
PCB-24/27	ND	0.323			PCB-66/76	7.67			
PCB-25	ND	0.547			PCB-67	ND	0.447		
PCB-26	ND	0.485			PCB-68	0.385			J
PCB-28	ND		3.10		PCB-73	ND	0.489		
PCB-29	ND	0.496			PCB-74	2.48			
PCB-30	ND	0.359			PCB-77	2.93			
PCB-31	3.51				PCB-78	ND	0.413		
PCB-34	ND	0.461			PCB-79	0.923			J
PCB-35	ND	0.500			PCB-80	ND	0.363		
PCB-36	ND	0.483			PCB-81	ND	0.377		
PCB-37	3.38				PCB-82	5.16			
PCB-38	ND	0.505			PCB-83	ND	0.728		
PCB-39	ND	0.498			PCB-84/92	17.3			
PCB-40	0.939			J	PCB-85/116	15.8			
PCB-41/64/71/72	4.27			J	PCB-86	ND	1.17		
PCB-42/59	1.58			J	PCB-87/117/125	19.7			
PCB-43/49	9.66				PCB-88/91	6.12			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03
Project:	Stiller Pond	Sample Size:	10.8 g	QC Batch:	B5F0040
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	Date Received:	04-Jun-2015 10:28
				Date Analyzed:	13-Jun-15 01:28
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.04			PCB-136	5.56			
PCB-90/101	65.7				PCB-137	5.79			
PCB-93	ND	1.05			PCB-138/163/164	119			
PCB-94	ND	0.983			PCB-139/149	65.9			
PCB-95/98/102	22.4				PCB-140	0.665			J
PCB-96	ND	0.760			PCB-141	15.6			
PCB-97	12.6				PCB-144	ND		1.80	
PCB-99	37.0				PCB-145	ND	0.895		
PCB-100	ND	0.861			PCB-146/165	15.2			
PCB-103	ND	0.857			PCB-147	2.86			
PCB-104	ND	0.657			PCB-148	ND	1.20		
PCB-105	28.7				PCB-150	ND	0.867		
PCB-106/118	68.3				PCB-151	17.3			
PCB-107/109	6.68				PCB-152	ND	0.837		
PCB-108/112	2.13			J	PCB-153	104			
PCB-110	71.6				PCB-154	1.19			J
PCB-111/115	0.792			J	PCB-155	ND	0.817		
PCB-113	ND	0.772			PCB-156	11.3			
PCB-114	0.791			J	PCB-157	4.15			
PCB-119	1.10			J	PCB-158/160	9.94			
PCB-120	ND	0.609			PCB-159	ND	0.471		
PCB-121	ND	0.631			PCB-166	0.518			J
PCB-122	0.947			J	PCB-167	6.03			
PCB-123	2.51				PCB-168	ND	0.473		
PCB-124	5.02				PCB-169	ND	0.476		
PCB-126	0.700			J	PCB-170	21.3			
PCB-127	ND	1.35			PCB-171	4.98			
PCB-128/162	22.9				PCB-172	4.72			
PCB-129	3.81				PCB-173	ND	0.546		
PCB-130	10.2				PCB-174	22.7			
PCB-131	ND	0.759			PCB-175	ND		0.774	
PCB-132/161	15.6				PCB-176	1.83			J
PCB-133/142	3.00			J	PCB-177	15.6			
PCB-134/143	3.48			J	PCB-178	7.33			
PCB-135	12.1				PCB-179	11.0			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03
Project:	Stiller Pond	Sample Size:	10.8 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 01:28
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	45.8				Total octaCB	85.2		86.0	
PCB-181	ND	0.444			Total nonaCB	37.1			
PCB-182/187	37.5				DecaCB	39.4			
PCB-183	10.6				Total PCB	1300			
PCB-184	ND	0.393							
PCB-185	2.76								
PCB-186	ND	0.361							
PCB-188	ND	0.346							
PCB-189	1.09			J					
PCB-190	5.09								
PCB-191	0.810			J					
PCB-192	ND	0.347							
PCB-193	3.29								
PCB-194	15.0			B					
PCB-195	5.39								
PCB-196/203	22.8								
PCB-197	0.626			J					
PCB-198	ND		0.764						
PCB-199	27.9								
PCB-200	2.66								
PCB-201	2.68								
PCB-202	7.29								
PCB-204	ND	0.597							
PCB-205	0.844			J					
PCB-206	24.9								
PCB-207	3.16								
PCB-208	9.08								
PCB-209	39.4								
Total monoCB	ND	1.98							
Total diCB	7.53								
Total triCB	8.45		14.5						
Total tetraCB	74.4		75.1						
Total pentaCB	391								
Total hexaCB	456		458						
Total heptaCB	196		197						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03
Project:	Stiller Pond	Sample Size:	10.8 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 01:28
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	61.7	5 -145		13C-PCB-170	95.6	10 -145	
13C-PCB-3	68.1	5 -145		13C-PCB-180	95.5	10 -145	
13C-PCB-4	57.2	5 -145		13C-PCB-188	86.5	10 -145	
13C-PCB-11	78.1	5 -145		13C-PCB-189	98.4	10 -145	
13C-PCB-9	63.1	5 -145		13C-PCB-194	95.1	10 -145	
13C-PCB-19	82.9	5 -145		13C-PCB-202	87.8	10 -145	
13C-PCB-28	87.6	5 -145		13C-PCB-206	95.4	10 -145	
13C-PCB-32	93.0	5 -145		13C-PCB-208	83.5	10 -145	
13C-PCB-37	95.4	5 -145		13C-PCB-209	96.1	10 -145	
13C-PCB-47	86.2	5 -145		CRS 13C-PCB-79	93.6	10 -145	
13C-PCB-52	89.0	5 -145		13C-PCB-178	94.8	10 -145	
13C-PCB-54	70.9	5 -145					
13C-PCB-70	91.8	5 -145					
13C-PCB-77	93.4	10 -145					
13C-PCB-80	91.4	10 -145					
13C-PCB-81	92.3	10 -145					
13C-PCB-95	92.0	10 -145					
13C-PCB-97	96.6	10 -145					
13C-PCB-101	92.7	10 -145					
13C-PCB-104	87.4	10 -145					
13C-PCB-105	92.7	10 -145					
13C-PCB-114	87.7	10 -145					
13C-PCB-118	99.0	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	103	10 -145					
13C-PCB-127	94.1	10 -145					
13C-PCB-138	90.2	10 -145					
13C-PCB-141	88.2	10 -145					
13C-PCB-153	88.3	10 -145					
13C-PCB-155	82.7	10 -145					
13C-PCB-156	96.2	10 -145					
13C-PCB-157	94.9	10 -145					
13C-PCB-159	90.9	10 -145					
13C-PCB-167	94.4	10 -145					
13C-PCB-169	96.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	Date Analyzed :	13-Jun-15 02:32	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	2.44				PCB-44	5.21			
PCB-2	0.803			J	PCB-45	ND	0.684		
PCB-3	1.30			J	PCB-46	ND	0.750		
PCB-4/10	5.77				PCB-47	3.23			
PCB-5/8	5.10				PCB-48/75	ND		0.560	
PCB-6	ND	2.97			PCB-50	ND	0.720		
PCB-7/9	ND	2.93			PCB-51	ND	0.613		
PCB-11	5.51				PCB-52/69	10.5			
PCB-12/13	ND	2.55			PCB-53	ND	0.626		
PCB-14	ND	2.19			PCB-54	ND	0.547		
PCB-15	3.41				PCB-55	ND	0.413		
PCB-16/32	1.45			J	PCB-56/60	7.18			
PCB-17	ND	0.311			PCB-57	ND	0.473		
PCB-18	1.75			J	PCB-58	ND	0.466		
PCB-19	ND	0.367			PCB-61/70	16.6			
PCB-20/21/33	2.59			J	PCB-62	ND	0.489		
PCB-22	1.69			J	PCB-63	ND	0.455		
PCB-23	ND	0.516			PCB-65	ND	0.504		
PCB-24/27	ND	0.229			PCB-66/76	9.69			
PCB-25	ND	0.569			PCB-67	ND	0.485		
PCB-26	ND	0.504			PCB-68	0.539			J
PCB-28	4.99				PCB-73	ND	0.504		
PCB-29	ND	0.516			PCB-74	3.12			
PCB-30	ND	0.232			PCB-77	3.71			
PCB-31	4.16				PCB-78	ND	0.448		
PCB-34	ND	0.480			PCB-79	0.960			J
PCB-35	ND	0.492			PCB-80	ND	0.383		
PCB-36	ND	0.476			PCB-81	ND	0.409		
PCB-37	4.23				PCB-82	5.31			
PCB-38	ND	0.498			PCB-83	ND	0.907		
PCB-39	ND	0.490			PCB-84/92	18.2			
PCB-40	0.704			J	PCB-85/116	18.0			
PCB-41/64/71/72	4.46			J	PCB-86	ND	1.46		
PCB-42/59	1.76			J	PCB-87/117/125	21.4			
PCB-43/49	9.58				PCB-88/91	6.13			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 02:32
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.32			PCB-136	5.66			
PCB-90/101	73.6				PCB-137	7.36			
PCB-93	ND	1.39			PCB-138/163/164	142			
PCB-94	ND	1.31			PCB-139/149	77.2			
PCB-95/98/102	22.3				PCB-140	0.729			J
PCB-96	ND	1.03			PCB-141	17.6			
PCB-97	13.7				PCB-144	2.98			
PCB-99	41.4				PCB-145	ND	0.934		
PCB-100	ND	1.17			PCB-146/165	17.3			
PCB-103	ND	1.16			PCB-147	3.48			
PCB-104	ND	0.890			PCB-148	ND	1.25		
PCB-105	34.2				PCB-150	ND	0.905		
PCB-106/118	75.3				PCB-151	18.3			
PCB-107/109	7.52				PCB-152	ND	0.874		
PCB-108/112	2.23			J	PCB-153	122			
PCB-110	75.5				PCB-154	1.10			J
PCB-111/115	0.698			J	PCB-155	ND	0.852		
PCB-113	ND	0.979			PCB-156	12.8			
PCB-114	0.877			J	PCB-157	4.51			
PCB-119	1.27			J	PCB-158/160	11.0			
PCB-120	0.548			J	PCB-159	ND	0.449		
PCB-121	ND	0.839			PCB-166	0.443			J
PCB-122	0.966			J	PCB-167	7.68			
PCB-123	2.88				PCB-168	ND	0.444		
PCB-124	5.96				PCB-169	ND	0.467		
PCB-126	1.34			J	PCB-170	24.8			
PCB-127	ND	1.64			PCB-171	5.92			
PCB-128/162	26.4				PCB-172	4.84			
PCB-129	4.82				PCB-173	ND	0.542		
PCB-130	11.4				PCB-174	28.0			
PCB-131	ND	0.713			PCB-175	ND		0.999	
PCB-132/161	18.7				PCB-176	2.14			J
PCB-133/142	3.16			J	PCB-177	19.4			
PCB-134/143	4.13			J	PCB-178	8.28			
PCB-135	15.3				PCB-179	11.4			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 02:32
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	55.3				Total octaCB	89.7		96.0	
PCB-181	ND	0.443			Total nonaCB	40.1			
PCB-182/187	43.5				DecaCB	36.3			
PCB-183	11.4				Total PCB	1480			
PCB-184	ND	0.368							
PCB-185	3.34								
PCB-186	ND	0.338							
PCB-188	ND	0.323							
PCB-189	1.36			J					
PCB-190	6.29								
PCB-191	0.983			J					
PCB-192	ND	0.344							
PCB-193	3.70								
PCB-194	16.7			B					
PCB-195	ND		6.26						
PCB-196/203	25.5								
PCB-197	0.563			J					
PCB-198	0.931			J					
PCB-199	30.4								
PCB-200	3.11								
PCB-201	3.32								
PCB-202	7.96								
PCB-204	ND	0.559							
PCB-205	1.27			J					
PCB-206	26.8								
PCB-207	3.10								
PCB-208	10.2								
PCB-209	36.3								
Total monoCB	4.55								
Total diCB	19.8								
Total triCB	20.9								
Total tetraCB	77.3		77.8						
Total pentaCB	429								
Total hexaCB	536								
Total heptaCB	231		232						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 02:32
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	89.6	5 -145		13C-PCB-170	99.0	10 -145	
13C-PCB-3	90.1	5 -145		13C-PCB-180	98.6	10 -145	
13C-PCB-4	69.9	5 -145		13C-PCB-188	90.9	10 -145	
13C-PCB-11	89.9	5 -145		13C-PCB-189	98.5	10 -145	
13C-PCB-9	74.8	5 -145		13C-PCB-194	91.7	10 -145	
13C-PCB-19	97.9	5 -145		13C-PCB-202	93.6	10 -145	
13C-PCB-28	94.3	5 -145		13C-PCB-206	94.6	10 -145	
13C-PCB-32	102	5 -145		13C-PCB-208	82.6	10 -145	
13C-PCB-37	107	5 -145		13C-PCB-209	94.2	10 -145	
13C-PCB-47	89.9	5 -145		CRS 13C-PCB-79	95.7	10 -145	
13C-PCB-52	92.5	5 -145		13C-PCB-178	101	10 -145	
13C-PCB-54	76.0	5 -145					
13C-PCB-70	92.5	5 -145					
13C-PCB-77	94.6	10 -145					
13C-PCB-80	92.9	10 -145					
13C-PCB-81	93.9	10 -145					
13C-PCB-95	92.5	10 -145					
13C-PCB-97	96.5	10 -145					
13C-PCB-101	93.6	10 -145					
13C-PCB-104	90.1	10 -145					
13C-PCB-105	97.0	10 -145					
13C-PCB-114	95.9	10 -145					
13C-PCB-118	98.4	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	103	10 -145					
13C-PCB-127	98.3	10 -145					
13C-PCB-138	94.5	10 -145					
13C-PCB-141	91.8	10 -145					
13C-PCB-153	93.3	10 -145					
13C-PCB-155	82.8	10 -145					
13C-PCB-156	99.2	10 -145					
13C-PCB-157	96.6	10 -145					
13C-PCB-159	95.2	10 -145					
13C-PCB-167	97.4	10 -145					
13C-PCB-169	98.6	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	Date Analyzed :	13-Jun-15 03:36	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.64			PCB-44	4.28			
PCB-2	ND		0.534		PCB-45	ND	0.624		
PCB-3	0.951			J	PCB-46	ND	0.684		
PCB-4/10	ND	3.60			PCB-47	2.97			
PCB-5/8	ND	2.75			PCB-48/75	ND		0.635	
PCB-6	ND	2.82			PCB-50	ND	0.659		
PCB-7/9	ND	2.79			PCB-51	ND	0.559		
PCB-11	3.46				PCB-52/69	8.72			
PCB-12/13	ND	2.54			PCB-53	ND	0.571		
PCB-14	ND	2.19			PCB-54	ND	0.501		
PCB-15	4.34				PCB-55	ND	0.352		
PCB-16/32	ND	0.354			PCB-56/60	8.83			
PCB-17	ND	0.387			PCB-57	ND	0.397		
PCB-18	ND	0.418			PCB-58	0.196			J
PCB-19	ND	0.472			PCB-61/70	30.7			
PCB-20/21/33	ND		1.51		PCB-62	ND	0.444		
PCB-22	1.27			J	PCB-63	ND		0.784	
PCB-23	ND	0.533			PCB-65	ND	0.458		
PCB-24/27	ND	0.285			PCB-66/76	11.2			
PCB-25	ND	0.588			PCB-67	ND		0.243	
PCB-26	ND	0.522			PCB-68	1.07			J
PCB-28	5.24				PCB-73	ND	0.460		
PCB-29	ND	0.534			PCB-74	3.97			
PCB-30	ND	0.298			PCB-77	4.62			
PCB-31	3.83				PCB-78	ND	0.384		
PCB-34	ND	0.496			PCB-79	1.54			J
PCB-35	ND	0.506			PCB-80	ND	0.327		
PCB-36	ND	0.489			PCB-81	ND	0.350		
PCB-37	5.02				PCB-82	4.79			
PCB-38	ND	0.511			PCB-83	ND	0.650		
PCB-39	ND	0.504			PCB-84/92	22.3			
PCB-40	ND	0.704			PCB-85/116	33.7			
PCB-41/64/71/72	6.59			J	PCB-86	ND	1.04		
PCB-42/59	1.13			J	PCB-87/117/125	26.9			
PCB-43/49	11.6				PCB-88/91	5.94			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 03:36
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.938			PCB-136	6.21			
PCB-90/101	106				PCB-137	10.5			
PCB-93	ND	0.981			PCB-138/163/164	242			
PCB-94	ND	0.922			PCB-139/149	102			
PCB-95/98/102	16.4				PCB-140	ND		0.688	
PCB-96	ND	0.684			PCB-141	25.9			
PCB-97	14.1				PCB-144	4.03			
PCB-99	69.0				PCB-145	ND	0.696		
PCB-100	ND	0.776			PCB-146/165	33.9			
PCB-103	ND	0.772			PCB-147	ND		5.28	
PCB-104	ND	0.592			PCB-148	ND	0.931		
PCB-105	55.7				PCB-150	ND	0.675		
PCB-106/118	139				PCB-151	31.7			
PCB-107/109	18.4				PCB-152	ND	0.651		
PCB-108/112	1.40			J	PCB-153	192			
PCB-110	145				PCB-154	1.83			J
PCB-111/115	2.02			J	PCB-155	ND	0.635		
PCB-113	ND	0.697			PCB-156	26.8			
PCB-114	2.51				PCB-157	7.12			
PCB-119	2.91				PCB-158/160	22.0			
PCB-120	1.06			J	PCB-159	ND	0.586		
PCB-121	ND	0.592			PCB-166	ND		1.04	
PCB-122	2.21			J	PCB-167	12.7			
PCB-123	4.98				PCB-168	ND	0.633		
PCB-124	8.51				PCB-169	ND	0.609		
PCB-126	1.89			J	PCB-170	41.9			
PCB-127	ND	0.803			PCB-171	10.4			
PCB-128/162	43.4				PCB-172	8.67			
PCB-129	5.78				PCB-173	1.37			J
PCB-130	19.7				PCB-174	38.4			
PCB-131	ND	1.02			PCB-175	1.52			J
PCB-132/161	23.6				PCB-176	3.13			
PCB-133/142	5.05				PCB-177	28.7			
PCB-134/143	3.12			J	PCB-178	10.9			
PCB-135	15.7				PCB-179	16.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	Date Analyzed :	13-Jun-15 03:36	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	88.1				Total octaCB	171			
PCB-181	0.596			J	Total nonaCB	38.3			
PCB-182/187	62.5				DecaCB	26.2			
PCB-183	19.8				Total PCB	2230			
PCB-184	ND	0.480							
PCB-185	4.54								
PCB-186	ND	0.440							
PCB-188	ND	0.422							
PCB-189	2.29			J					
PCB-190	10.0								
PCB-191	1.64			J					
PCB-192	ND	0.466							
PCB-193	5.26								
PCB-194	23.4			B					
PCB-195	10.1								
PCB-196/203	36.0								
PCB-197	0.805			J					
PCB-198	40.0								
PCB-199	40.7								
PCB-200	4.52								
PCB-201	3.78								
PCB-202	9.85								
PCB-204	ND	0.781							
PCB-205	1.53			J					
PCB-206	26.4								
PCB-207	3.05								
PCB-208	8.85								
PCB-209	26.2								
Total monoCB	0.951		1.48						
Total diCB	7.81								
Total triCB	15.4		16.9						
Total tetraCB	97.3		99.0						
Total pentaCB	685								
Total hexaCB	835		842						
Total heptaCB	356								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 03:36
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	81.8	5 -145		13C-PCB-170	97.4	10 -145	
13C-PCB-3	81.9	5 -145		13C-PCB-180	94.5	10 -145	
13C-PCB-4	65.2	5 -145		13C-PCB-188	87.9	10 -145	
13C-PCB-11	84.0	5 -145		13C-PCB-189	97.6	10 -145	
13C-PCB-9	72.4	5 -145		13C-PCB-194	92.3	10 -145	
13C-PCB-19	88.4	5 -145		13C-PCB-202	88.0	10 -145	
13C-PCB-28	77.5	5 -145		13C-PCB-206	101	10 -145	
13C-PCB-32	95.3	5 -145		13C-PCB-208	88.4	10 -145	
13C-PCB-37	91.4	5 -145		13C-PCB-209	103	10 -145	
13C-PCB-47	85.1	5 -145		CRS 13C-PCB-79	89.9	10 -145	
13C-PCB-52	86.3	5 -145		13C-PCB-178	93.5	10 -145	
13C-PCB-54	71.7	5 -145					
13C-PCB-70	89.7	5 -145					
13C-PCB-77	92.2	10 -145					
13C-PCB-80	89.6	10 -145					
13C-PCB-81	89.3	10 -145					
13C-PCB-95	92.3	10 -145					
13C-PCB-97	94.6	10 -145					
13C-PCB-101	95.1	10 -145					
13C-PCB-104	89.0	10 -145					
13C-PCB-105	92.5	10 -145					
13C-PCB-114	86.7	10 -145					
13C-PCB-118	98.0	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	99.4	10 -145					
13C-PCB-127	95.0	10 -145					
13C-PCB-138	92.3	10 -145					
13C-PCB-141	93.1	10 -145					
13C-PCB-153	88.1	10 -145					
13C-PCB-155	80.3	10 -145					
13C-PCB-156	96.0	10 -145					
13C-PCB-157	93.3	10 -145					
13C-PCB-159	94.3	10 -145					
13C-PCB-167	94.0	10 -145					
13C-PCB-169	98.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	Date Analyzed :	13-Jun-15 08:06	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.24			PCB-44	2.07			J
PCB-2	ND	1.17			PCB-45	ND	0.964		
PCB-3	0.844			J	PCB-46	ND	1.06		
PCB-4/10	ND	3.48			PCB-47	1.15			J
PCB-5/8	ND	2.53			PCB-48/75	ND		0.372	
PCB-6	ND	2.59			PCB-50	ND	1.14		
PCB-7/9	ND	2.56			PCB-51	ND	0.864		
PCB-11	ND	2.26			PCB-52/69	3.87			J
PCB-12/13	ND	2.29			PCB-53	ND	0.882		
PCB-14	ND	1.98			PCB-54	ND	0.866		
PCB-15	ND	2.02			PCB-55	ND	0.600		
PCB-16/32	ND	0.376			PCB-56/60	1.87			J
PCB-17	ND	0.412			PCB-57	ND	0.666		
PCB-18	ND		0.948		PCB-58	ND	0.656		
PCB-19	ND	0.506			PCB-61/70	6.81			
PCB-20/21/33	1.24			J	PCB-62	ND	0.731		
PCB-22	ND		0.730		PCB-63	ND	0.641		
PCB-23	ND	0.547			PCB-65	ND	0.754		
PCB-24/27	ND	0.303			PCB-66/76	2.56			J
PCB-25	ND	0.603			PCB-67	ND	0.683		
PCB-26	ND	0.535			PCB-68	ND	0.617		
PCB-28	2.30			J	PCB-73	ND	0.711		
PCB-29	ND	0.547			PCB-74	1.20			J
PCB-30	ND	0.320			PCB-77	0.643			J
PCB-31	2.07			J	PCB-78	ND	0.639		
PCB-34	ND	0.509			PCB-79	ND	0.637		
PCB-35	ND	0.527			PCB-80	ND	0.558		
PCB-36	ND	0.509			PCB-81	ND	0.583		
PCB-37	1.18			J	PCB-82	1.44			J
PCB-38	ND	0.533			PCB-83	ND	1.05		
PCB-39	ND	0.525			PCB-84/92	5.92			
PCB-40	ND	1.16			PCB-85/116	7.99			
PCB-41/64/71/72	2.73			J	PCB-86	ND	1.68		
PCB-42/59	0.582			J	PCB-87/117/125	6.54			J
PCB-43/49	3.80			J	PCB-88/91	2.00			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	Date Analyzed :	13-Jun-15 08:06	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.53			PCB-136	1.71			J
PCB-90/101	23.8				PCB-137	2.78			
PCB-93	ND	1.61			PCB-138/163/164	51.9			
PCB-94	ND	1.52			PCB-139/149	23.4			
PCB-95/98/102	5.32			J	PCB-140	ND	1.20		
PCB-96	ND	1.15			PCB-141	6.13			
PCB-97	2.96				PCB-144	0.942			J
PCB-99	17.7				PCB-145	ND	0.853		
PCB-100	ND	1.31			PCB-146/165	7.52			
PCB-103	ND	1.30			PCB-147	1.71			J
PCB-104	ND	0.995			PCB-148	ND	1.14		
PCB-105	9.06				PCB-150	ND	0.827		
PCB-106/118	23.2				PCB-151	7.75			
PCB-107/109	3.44			J	PCB-152	ND	0.798		
PCB-108/112	ND	1.24			PCB-153	44.5			
PCB-110	30.3				PCB-154	ND	1.05		
PCB-111/115	0.683			J	PCB-155	ND	0.778		
PCB-113	ND	1.14			PCB-156	5.14			
PCB-114	0.428			J	PCB-157	ND		1.05	
PCB-119	0.908			J	PCB-158/160	4.78			J
PCB-120	ND	0.876			PCB-159	ND	0.467		
PCB-121	ND	0.972			PCB-166	ND	0.500		
PCB-122	ND	0.629			PCB-167	2.25			J
PCB-123	0.744			J	PCB-168	ND	0.455		
PCB-124	ND		1.60		PCB-169	ND	0.457		
PCB-126	ND	0.545			PCB-170	8.61			
PCB-127	ND	0.532			PCB-171	2.77			
PCB-128/162	9.44				PCB-172	1.89			J
PCB-129	1.30			J	PCB-173	ND	0.528		
PCB-130	3.87				PCB-174	8.11			
PCB-131	ND	0.730			PCB-175	0.476			J
PCB-132/161	4.96			J	PCB-176	ND		0.716	
PCB-133/142	1.23			J	PCB-177	6.36			
PCB-134/143	ND		0.922		PCB-178	2.90			
PCB-135	3.81				PCB-179	3.98			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06
Project:	Stiller Pond	Sample Size:	11.6 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 08:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	18.4				Total octaCB	17.4		24.7	
PCB-181	ND	0.432			Total nonaCB	9.26			
PCB-182/187	15.7				DecaCB	5.70			
PCB-183	4.76				Total PCB	474			
PCB-184	ND	0.359							
PCB-185	1.14			J					
PCB-186	ND	0.330							
PCB-188	ND	0.316							
PCB-189	0.584			J					
PCB-190	1.79			J					
PCB-191	0.274			J					
PCB-192	ND	0.335							
PCB-193	1.28			J					
PCB-194	4.83			B					
PCB-195	2.23			J					
PCB-196/203	7.28								
PCB-197	ND	0.405							
PCB-198	ND	0.626							
PCB-199	ND		6.80						
PCB-200	0.887			J					
PCB-201	ND		0.480						
PCB-202	2.16			J					
PCB-204	ND	0.440							
PCB-205	ND	0.300							
PCB-206	6.12								
PCB-207	0.664			J					
PCB-208	2.47			J					
PCB-209	5.70								
Total monoCB	0.844								
Total diCB	ND	3.48							
Total triCB	6.77		8.45						
Total tetraCB	27.3		27.6						
Total pentaCB	142		144						
Total hexaCB	185		187						
Total heptaCB	79.0		79.7						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06
Project:	Stiller Pond	Sample Size:	11.6 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 08:06
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	65.2	5 -145		13C-PCB-170	95.4	10 -145	
13C-PCB-3	74.5	5 -145		13C-PCB-180	95.5	10 -145	
13C-PCB-4	57.6	5 -145		13C-PCB-188	86.8	10 -145	
13C-PCB-11	74.8	5 -145		13C-PCB-189	98.1	10 -145	
13C-PCB-9	64.5	5 -145		13C-PCB-194	93.5	10 -145	
13C-PCB-19	83.3	5 -145		13C-PCB-202	93.6	10 -145	
13C-PCB-28	80.2	5 -145		13C-PCB-206	95.2	10 -145	
13C-PCB-32	90.9	5 -145		13C-PCB-208	87.1	10 -145	
13C-PCB-37	90.8	5 -145		13C-PCB-209	93.0	10 -145	
13C-PCB-47	87.3	5 -145		CRS 13C-PCB-79	92.8	10 -145	
13C-PCB-52	92.4	5 -145		13C-PCB-178	94.3	10 -145	
13C-PCB-54	72.0	5 -145					
13C-PCB-70	89.8	5 -145					
13C-PCB-77	94.4	10 -145					
13C-PCB-80	89.6	10 -145					
13C-PCB-81	91.2	10 -145					
13C-PCB-95	89.7	10 -145					
13C-PCB-97	95.1	10 -145					
13C-PCB-101	91.4	10 -145					
13C-PCB-104	87.9	10 -145					
13C-PCB-105	93.1	10 -145					
13C-PCB-114	87.8	10 -145					
13C-PCB-118	97.6	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	100	10 -145					
13C-PCB-127	95.3	10 -145					
13C-PCB-138	91.4	10 -145					
13C-PCB-141	88.6	10 -145					
13C-PCB-153	88.2	10 -145					
13C-PCB-155	90.1	10 -145					
13C-PCB-156	96.6	10 -145					
13C-PCB-157	95.2	10 -145					
13C-PCB-159	92.2	10 -145					
13C-PCB-167	94.9	10 -145					
13C-PCB-169	97.9	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	0.706			J	PCB-44	5.26			
PCB-2	1.04			J	PCB-45	ND	0.494		
PCB-3	1.97			J	PCB-46	ND	0.541		
PCB-4/10	ND	4.08			PCB-47	5.93			
PCB-5/8	ND	3.07			PCB-48/75	0.698			J
PCB-6	ND	3.15			PCB-50	ND	0.571		
PCB-7/9	ND	3.11			PCB-51	ND	0.442		
PCB-11	7.95				PCB-52/69	10.0			
PCB-12/13	ND	2.48			PCB-53	ND	0.452		
PCB-14	ND	2.14			PCB-54	ND	0.434		
PCB-15	8.05				PCB-55	ND	0.286		
PCB-16/32	ND	0.407			PCB-56/60	11.3			
PCB-17	ND	0.446			PCB-57	ND	0.323		
PCB-18	1.28			J	PCB-58	ND	0.318		
PCB-19	ND	0.600			PCB-61/70	33.8			
PCB-20/21/33	2.35			J	PCB-62	ND	0.359		
PCB-22	2.00			J	PCB-63	0.912			J
PCB-23	ND	0.355			PCB-65	ND	0.370		
PCB-24/27	ND	0.328			PCB-66/76	17.4			
PCB-25	ND	0.392			PCB-67	ND	0.332		
PCB-26	1.06			J	PCB-68	1.04			J
PCB-28	7.15				PCB-73	ND	0.364		
PCB-29	ND	0.355			PCB-74	5.23			
PCB-30	ND	0.379			PCB-77	7.34			
PCB-31	5.31				PCB-78	ND	0.299		
PCB-34	ND	0.331			PCB-79	1.90			J
PCB-35	ND	0.365			PCB-80	ND	0.266		
PCB-36	ND	0.353			PCB-81	ND	0.273		
PCB-37	6.61				PCB-82	7.73			
PCB-38	ND	0.370			PCB-83	ND	0.630		
PCB-39	ND	0.364			PCB-84/92	31.4			
PCB-40	ND	0.568			PCB-85/116	31.4			
PCB-41/64/71/72	5.30			J	PCB-86	ND	1.01		
PCB-42/59	1.80			J	PCB-87/117/125	38.2			
PCB-43/49	15.7				PCB-88/91	9.27			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.928			PCB-136	8.99			
PCB-90/101	123				PCB-137	11.0			
PCB-93	ND	0.978			PCB-138/163/164	246			
PCB-94	ND	0.919			PCB-139/149	124			
PCB-95/98/102	31.9				PCB-140	ND		0.828	
PCB-96	ND	0.690			PCB-141	31.9			
PCB-97	22.5				PCB-144	5.76			
PCB-99	72.8				PCB-145	ND	0.541		
PCB-100	ND	0.783			PCB-146/165	35.0			
PCB-103	0.627			J	PCB-147	4.97			
PCB-104	ND	0.597			PCB-148	ND	0.723		
PCB-105	56.3				PCB-150	ND	0.524		
PCB-106/118	133				PCB-151	30.9			
PCB-107/109	13.5				PCB-152	ND	0.506		
PCB-108/112	2.83			J	PCB-153	205			
PCB-110	127				PCB-154	ND		1.58	
PCB-111/115	1.11			J	PCB-155	ND	0.493		
PCB-113	ND	0.690			PCB-156	23.1			
PCB-114	1.68			J	PCB-157	7.32			
PCB-119	2.15			J	PCB-158/160	18.5			
PCB-120	1.16			J	PCB-159	ND	0.657		
PCB-121	ND	0.590			PCB-166	ND	0.704		
PCB-122	2.06			J	PCB-167	13.7			
PCB-123	4.53				PCB-168	ND	0.697		
PCB-124	8.43				PCB-169	ND	0.653		
PCB-126	1.86			J	PCB-170	46.9			
PCB-127	ND	1.21			PCB-171	10.7			
PCB-128/162	43.9				PCB-172	9.55			
PCB-129	7.59				PCB-173	1.41			J
PCB-130	22.8				PCB-174	50.8			
PCB-131	ND	1.12			PCB-175	1.74			J
PCB-132/161	33.1				PCB-176	4.23			
PCB-133/142	5.68				PCB-177	32.2			
PCB-134/143	5.95				PCB-178	12.6			
PCB-135	20.6				PCB-179	18.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	105				Total octaCB	158			
PCB-181	ND	0.548			Total nonaCB	51.5			
PCB-182/187	75.3				DecaCB	39.7			
PCB-183	22.9				Total PCB	2470			
PCB-184	ND	0.460							
PCB-185	6.37								
PCB-186	ND	0.423							
PCB-188	ND	0.405							
PCB-189	2.32			J					
PCB-190	9.86								
PCB-191	1.84			J					
PCB-192	ND	0.426							
PCB-193	7.01								
PCB-194	28.9			B					
PCB-195	11.0								
PCB-196/203	42.8								
PCB-197	1.14			J					
PCB-198	1.95			J					
PCB-199	49.5								
PCB-200	5.41								
PCB-201	4.16								
PCB-202	11.9								
PCB-204	ND	0.669							
PCB-205	1.78			J					
PCB-206	34.6								
PCB-207	4.28								
PCB-208	12.6								
PCB-209	39.7								
Total monoCB	3.71								
Total diCB	16.0								
Total triCB	25.8								
Total tetraCB	124								
Total pentaCB	724								
Total hexaCB	906		908						
Total heptaCB	419								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	59.2	5 -145		13C-PCB-170	98.6	10 -145	
13C-PCB-3	66.1	5 -145		13C-PCB-180	93.3	10 -145	
13C-PCB-4	54.2	5 -145		13C-PCB-188	85.4	10 -145	
13C-PCB-11	78.5	5 -145		13C-PCB-189	99.4	10 -145	
13C-PCB-9	61.4	5 -145		13C-PCB-194	90.6	10 -145	
13C-PCB-19	79.7	5 -145		13C-PCB-202	91.3	10 -145	
13C-PCB-28	79.0	5 -145		13C-PCB-206	95.5	10 -145	
13C-PCB-32	93.0	5 -145		13C-PCB-208	78.4	10 -145	
13C-PCB-37	85.8	5 -145		13C-PCB-209	99.1	10 -145	
13C-PCB-47	84.1	5 -145		CRS 13C-PCB-79	96.2	10 -145	
13C-PCB-52	87.2	5 -145		13C-PCB-178	92.3	10 -145	
13C-PCB-54	67.8	5 -145					
13C-PCB-70	87.7	5 -145					
13C-PCB-77	90.6	10 -145					
13C-PCB-80	89.4	10 -145					
13C-PCB-81	90.5	10 -145					
13C-PCB-95	84.9	10 -145					
13C-PCB-97	94.0	10 -145					
13C-PCB-101	89.8	10 -145					
13C-PCB-104	84.1	10 -145					
13C-PCB-105	91.9	10 -145					
13C-PCB-114	85.7	10 -145					
13C-PCB-118	95.5	10 -145					
13C-PCB-123	101	10 -145					
13C-PCB-126	98.1	10 -145					
13C-PCB-127	93.0	10 -145					
13C-PCB-138	90.1	10 -145					
13C-PCB-141	88.4	10 -145					
13C-PCB-153	85.1	10 -145					
13C-PCB-155	89.7	10 -145					
13C-PCB-156	95.7	10 -145					
13C-PCB-157	94.8	10 -145					
13C-PCB-159	92.5	10 -145					
13C-PCB-167	92.8	10 -145					
13C-PCB-169	99.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.5 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	Date Analyzed :	13-Jun-15 10:14	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.51			J	PCB-44	4.49			
PCB-2	1.24			J	PCB-45	ND	0.700		
PCB-3	2.09			J	PCB-46	ND	0.768		
PCB-4/10	4.65			J	PCB-47	5.03			
PCB-5/8	ND		4.58		PCB-48/75	ND		0.499	
PCB-6	ND	3.47			PCB-50	ND	0.696		
PCB-7/9	ND	3.43			PCB-51	ND	0.627		
PCB-11	7.57				PCB-52/69	8.83			
PCB-12/13	ND	3.10			PCB-53	ND	0.641		
PCB-14	ND	2.67			PCB-54	ND	0.529		
PCB-15	7.90				PCB-55	ND	0.416		
PCB-16/32	ND	0.548			PCB-56/60	10.8			
PCB-17	ND	0.601			PCB-57	ND	0.477		
PCB-18	ND	2.10			PCB-58	ND	0.470		
PCB-19	ND	0.698			PCB-61/70	30.1			
PCB-20/21/33	ND		1.99		PCB-62	ND	0.495		
PCB-22	ND		1.74		PCB-63	0.791			J
PCB-23	ND	0.421			PCB-65	ND	0.510		
PCB-24/27	ND	0.442			PCB-66/76	15.7			
PCB-25	ND		0.714		PCB-67	ND	0.489		
PCB-26	0.971			J	PCB-68	0.925			J
PCB-28	6.53				PCB-73	ND	0.516		
PCB-29	ND	0.421			PCB-74	4.79			
PCB-30	ND	0.441			PCB-77	6.68			
PCB-31	4.54				PCB-78	ND	0.442		
PCB-34	ND	0.392			PCB-79	2.01			J
PCB-35	ND	0.417			PCB-80	ND	0.386		
PCB-36	ND	0.403			PCB-81	0.336			J
PCB-37	6.11				PCB-82	7.36			
PCB-38	ND	0.422			PCB-83	ND	0.739		
PCB-39	ND	0.415			PCB-84/92	28.7			
PCB-40	ND	0.784			PCB-85/116	29.7			
PCB-41/64/71/72	4.81			J	PCB-86	ND	1.19		
PCB-42/59	1.34			J	PCB-87/117/125	34.6			
PCB-43/49	14.6				PCB-88/91	8.91			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08
Project:	Stiller Pond	Sample Size:	11.5 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 10:14
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.11			PCB-136	8.66			
PCB-90/101	122				PCB-137	12.5			
PCB-93	ND	1.19			PCB-138/163/164	237			
PCB-94	ND	1.12			PCB-139/149	120			
PCB-95/98/102	27.1				PCB-140	ND		0.604	
PCB-96	ND	0.809			PCB-141	29.8			
PCB-97	19.8				PCB-144	4.75			
PCB-99	70.0				PCB-145	ND	0.690		
PCB-100	ND	0.917			PCB-146/165	30.9			
PCB-103	ND	0.912			PCB-147	ND		4.31	
PCB-104	ND	0.699			PCB-148	ND	0.922		
PCB-105	55.5				PCB-150	ND	0.669		
PCB-106/118	128				PCB-151	29.2			
PCB-107/109	13.0				PCB-152	ND	0.645		
PCB-108/112	2.59			J	PCB-153	196			
PCB-110	124				PCB-154	ND		1.74	
PCB-111/115	1.07			J	PCB-155	ND	0.629		
PCB-113	ND	0.825			PCB-156	23.2			
PCB-114	1.76			J	PCB-157	7.43			
PCB-119	2.46			J	PCB-158/160	18.5			
PCB-120	1.12			J	PCB-159	ND	0.742		
PCB-121	ND	0.716			PCB-166	0.839			J
PCB-122	1.87			J	PCB-167	13.0			
PCB-123	4.30				PCB-168	ND	0.747		
PCB-124	9.13				PCB-169	ND	0.747		
PCB-126	2.14			J	PCB-170	45.1			
PCB-127	ND	1.99			PCB-171	11.6			
PCB-128/162	41.4				PCB-172	8.96			
PCB-129	7.32				PCB-173	ND		0.838	
PCB-130	20.0				PCB-174	49.1			
PCB-131	ND	1.20			PCB-175	1.81			J
PCB-132/161	33.4				PCB-176	ND		3.53	
PCB-133/142	5.54				PCB-177	32.6			
PCB-134/143	5.45				PCB-178	12.8			
PCB-135	20.0				PCB-179	19.5			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08
Project:	Stiller Pond	Sample Size:	11.5 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 10:14
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	101				Total octaCB	155			
PCB-181	ND		0.555		Total nonaCB	49.9			
PCB-182/187	74.6				DecaCB	38.9			
PCB-183	21.8				Total PCB	2370			
PCB-184	ND	0.511							
PCB-185	5.96								
PCB-186	ND	0.469							
PCB-188	ND	0.449							
PCB-189	2.31			J					
PCB-190	11.1								
PCB-191	1.54			J					
PCB-192	ND	0.477							
PCB-193	6.21								
PCB-194	26.7			B					
PCB-195	11.3								
PCB-196/203	40.3								
PCB-197	1.22			J					
PCB-198	2.10			J					
PCB-199	50.2								
PCB-200	4.57								
PCB-201	4.41								
PCB-202	12.5								
PCB-204	ND	0.782							
PCB-205	1.36			J					
PCB-206	34.0								
PCB-207	4.01								
PCB-208	12.0								
PCB-209	38.9								
Total monoCB	4.83								
Total diCB	20.1		24.7						
Total triCB	18.2		22.6						
Total tetraCB	111		112						
Total pentaCB	696								
Total hexaCB	865		872						
Total heptaCB	406		411						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08
Project:	Stiller Pond	Sample Size:	11.5 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 10:14
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.7	5 -145		13C-PCB-170	103	10 -145	
13C-PCB-3	95.1	5 -145		13C-PCB-180	101	10 -145	
13C-PCB-4	76.5	5 -145		13C-PCB-188	91.4	10 -145	
13C-PCB-11	92.9	5 -145		13C-PCB-189	104	10 -145	
13C-PCB-9	83.4	5 -145		13C-PCB-194	97.9	10 -145	
13C-PCB-19	104	5 -145		13C-PCB-202	98.0	10 -145	
13C-PCB-28	100	5 -145		13C-PCB-206	103	10 -145	
13C-PCB-32	108	5 -145		13C-PCB-208	87.3	10 -145	
13C-PCB-37	105	5 -145		13C-PCB-209	107	10 -145	
13C-PCB-47	94.8	5 -145		CRS 13C-PCB-79	98.0	10 -145	
13C-PCB-52	96.3	5 -145		13C-PCB-178	101	10 -145	
13C-PCB-54	81.9	5 -145					
13C-PCB-70	95.0	5 -145					
13C-PCB-77	99.2	10 -145					
13C-PCB-80	96.4	10 -145					
13C-PCB-81	97.9	10 -145					
13C-PCB-95	97.3	10 -145					
13C-PCB-97	103	10 -145					
13C-PCB-101	98.7	10 -145					
13C-PCB-104	95.2	10 -145					
13C-PCB-105	96.9	10 -145					
13C-PCB-114	92.3	10 -145					
13C-PCB-118	106	10 -145					
13C-PCB-123	111	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	100	10 -145					
13C-PCB-138	97.6	10 -145					
13C-PCB-141	95.1	10 -145					
13C-PCB-153	92.9	10 -145					
13C-PCB-155	96.8	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	103	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	106	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	13.1 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	Date Analyzed:	13-Jun-15 11:18	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.05			J	PCB-44	7.40			
PCB-2	1.29			J	PCB-45	ND	0.579		
PCB-3	3.38				PCB-46	ND	0.635		
PCB-4/10	ND	3.57			PCB-47	5.21			
PCB-5/8	4.04			J	PCB-48/75	1.04			J
PCB-6	ND	2.68			PCB-50	ND	0.643		
PCB-7/9	ND	2.65			PCB-51	ND	0.519		
PCB-11	4.84				PCB-52/69	12.6			
PCB-12/13	ND	2.32			PCB-53	ND	0.530		
PCB-14	ND	2.00			PCB-54	ND	0.489		
PCB-15	12.7				PCB-55	ND	0.329		
PCB-16/32	ND	0.526			PCB-56/60	11.3			
PCB-17	ND	0.576			PCB-57	ND	0.364		
PCB-18	ND		1.68		PCB-58	ND		0.532	
PCB-19	ND	0.749			PCB-61/70	41.8			
PCB-20/21/33	4.08			J	PCB-62	ND	0.406		
PCB-22	2.15			J	PCB-63	ND		0.855	
PCB-23	ND	0.446			PCB-65	ND	0.419		
PCB-24/27	ND	0.424			PCB-66/76	21.9			
PCB-25	1.15			J	PCB-67	ND		0.496	
PCB-26	1.34			J	PCB-68	0.890			J
PCB-28	11.5				PCB-73	ND	0.427		
PCB-29	ND	0.446			PCB-74	7.11			
PCB-30	ND	0.474			PCB-77	7.18			
PCB-31	7.60				PCB-78	ND	0.354		
PCB-34	ND	0.415			PCB-79	ND		1.64	
PCB-35	ND	0.425			PCB-80	ND	0.306		
PCB-36	ND	0.410			PCB-81	0.498			J
PCB-37	8.93				PCB-82	9.22			
PCB-38	ND	0.429			PCB-83	ND	0.824		
PCB-39	ND	0.423			PCB-84/92	32.0			
PCB-40	ND		0.701		PCB-85/116	29.7			
PCB-41/64/71/72	7.87			J	PCB-86	ND	1.33		
PCB-42/59	1.98			J	PCB-87/117/125	38.7			
PCB-43/49	18.9				PCB-88/91	10.0			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 11:18
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.24			PCB-136	10.5			
PCB-90/101	131				PCB-137	10.6			
PCB-93	ND	1.28			PCB-138/163/164	223			
PCB-94	ND	1.20			PCB-139/149	128			
PCB-95/98/102	32.8				PCB-140	1.19			J
PCB-96	ND	0.894			PCB-141	27.8			
PCB-97	21.4				PCB-144	4.94			
PCB-99	76.7				PCB-145	ND	0.724		
PCB-100	ND	1.01			PCB-146/165	34.4			
PCB-103	0.928			J	PCB-147	4.72			
PCB-104	ND	0.773			PCB-148	0.419			J
PCB-105	40.7				PCB-150	ND	0.702		
PCB-106/118	126				PCB-151	34.0			
PCB-107/109	15.4				PCB-152	ND	0.678		
PCB-108/112	3.51			J	PCB-153	193			
PCB-110	154				PCB-154	2.21			J
PCB-111/115	1.02			J	PCB-155	ND	0.661		
PCB-113	ND	0.923			PCB-156	24.0			
PCB-114	1.63			J	PCB-157	5.93			
PCB-119	2.88				PCB-158/160	16.8			
PCB-120	1.29			J	PCB-159	ND	0.650		
PCB-121	ND	0.771			PCB-166	0.990			J
PCB-122	1.91			J	PCB-167	11.1			
PCB-123	3.54				PCB-168	ND	0.627		
PCB-124	7.91				PCB-169	ND	0.652		
PCB-126	2.22			J	PCB-170	46.2			
PCB-127	ND	0.657			PCB-171	12.1			
PCB-128/162	41.0				PCB-172	8.89			
PCB-129	7.65				PCB-173	ND		1.23	
PCB-130	20.1				PCB-174	48.4			
PCB-131	ND	1.01			PCB-175	1.88			J
PCB-132/161	34.5				PCB-176	4.00			
PCB-133/142	5.43				PCB-177	30.9			
PCB-134/143	5.34				PCB-178	13.1			
PCB-135	21.3				PCB-179	19.1			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	13.1 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	Date Analyzed:	13-Jun-15 11:18	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	102				Total octaCB	154		155	
PCB-181	ND	0.654			Total nonaCB	47.1			
PCB-182/187	72.1				DecaCB	28.5			
PCB-183	24.7				Total PCB	2460			
PCB-184	ND	0.524							
PCB-185	6.18								
PCB-186	ND	0.482							
PCB-188	ND	0.461							
PCB-189	2.35			J					
PCB-190	10.3								
PCB-191	1.51			J					
PCB-192	ND	0.508							
PCB-193	6.35								
PCB-194	30.6			B					
PCB-195	12.2								
PCB-196/203	41.7								
PCB-197	ND		0.991						
PCB-198	2.10			J					
PCB-199	46.3								
PCB-200	4.63								
PCB-201	4.93								
PCB-202	10.3								
PCB-204	ND	0.713							
PCB-205	1.72			J					
PCB-206	32.4								
PCB-207	3.68								
PCB-208	11.1								
PCB-209	28.5								
Total monoCB	5.72								
Total diCB	21.6								
Total triCB	36.7		38.4						
Total tetraCB	146		150						
Total pentaCB	744								
Total hexaCB	869								
Total heptaCB	410		412						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 11:18
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	60.6	5 -145		13C-PCB-170	96.9	10 -145	
13C-PCB-3	71.9	5 -145		13C-PCB-180	97.5	10 -145	
13C-PCB-4	60.5	5 -145		13C-PCB-188	89.5	10 -145	
13C-PCB-11	83.5	5 -145		13C-PCB-189	99.7	10 -145	
13C-PCB-9	67.3	5 -145		13C-PCB-194	96.2	10 -145	
13C-PCB-19	86.3	5 -145		13C-PCB-202	94.4	10 -145	
13C-PCB-28	79.6	5 -145		13C-PCB-206	98.5	10 -145	
13C-PCB-32	96.9	5 -145		13C-PCB-208	86.1	10 -145	
13C-PCB-37	92.4	5 -145		13C-PCB-209	101	10 -145	
13C-PCB-47	89.0	5 -145		CRS 13C-PCB-79	97.5	10 -145	
13C-PCB-52	89.3	5 -145		13C-PCB-178	99.0	10 -145	
13C-PCB-54	71.6	5 -145					
13C-PCB-70	92.2	5 -145					
13C-PCB-77	95.1	10 -145					
13C-PCB-80	92.8	10 -145					
13C-PCB-81	93.3	10 -145					
13C-PCB-95	94.7	10 -145					
13C-PCB-97	98.1	10 -145					
13C-PCB-101	95.3	10 -145					
13C-PCB-104	92.0	10 -145					
13C-PCB-105	100	10 -145					
13C-PCB-114	92.5	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	102	10 -145					
13C-PCB-138	96.3	10 -145					
13C-PCB-141	94.6	10 -145					
13C-PCB-153	94.7	10 -145					
13C-PCB-155	92.3	10 -145					
13C-PCB-156	99.4	10 -145					
13C-PCB-157	99.2	10 -145					
13C-PCB-159	95.6	10 -145					
13C-PCB-167	99.2	10 -145					
13C-PCB-169	102	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.42			PCB-44	2.46			J
PCB-2	ND	1.32			PCB-45	ND	0.493		
PCB-3	ND		1.27		PCB-46	ND	0.541		
PCB-4/10	ND	3.57			PCB-47	1.89			J
PCB-5/8	ND	2.77			PCB-48/75	ND	0.354		
PCB-6	ND	2.84			PCB-50	ND	0.517		
PCB-7/9	ND	2.81			PCB-51	ND	0.442		
PCB-11	ND		2.40		PCB-52/69	4.17			J
PCB-12/13	ND	2.38			PCB-53	ND	0.451		
PCB-14	ND	2.05			PCB-54	ND	0.393		
PCB-15	4.13				PCB-55	ND	0.289		
PCB-16/32	ND	0.340			PCB-56/60	4.15			J
PCB-17	ND	0.372			PCB-57	ND	0.321		
PCB-18	ND	0.402			PCB-58	ND	0.316		
PCB-19	ND	0.432			PCB-61/70	13.4			
PCB-20/21/33	1.35			J	PCB-62	ND	0.345		
PCB-22	ND	0.412			PCB-63	ND	0.309		
PCB-23	ND	0.396			PCB-65	ND	0.356		
PCB-24/27	ND	0.274			PCB-66/76	7.03			
PCB-25	ND	0.436			PCB-67	ND	0.329		
PCB-26	ND	0.387			PCB-68	0.462			J
PCB-28	3.55				PCB-73	ND	0.364		
PCB-29	ND	0.396			PCB-74	2.29			J
PCB-30	ND	0.273			PCB-77	2.68			
PCB-31	2.28			J	PCB-78	ND	0.309		
PCB-34	ND	0.368			PCB-79	0.612			J
PCB-35	ND	0.410			PCB-80	ND	0.269		
PCB-36	ND	0.396			PCB-81	ND	0.282		
PCB-37	ND		2.60		PCB-82	2.57			
PCB-38	ND	0.415			PCB-83	ND	0.584		
PCB-39	ND	0.408			PCB-84/92	12.0			
PCB-40	ND	0.547			PCB-85/116	10.8			
PCB-41/64/71/72	2.84			J	PCB-86	ND	0.940		
PCB-42/59	0.977			J	PCB-87/117/125	13.7			
PCB-43/49	6.43				PCB-88/91	3.39			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.871			PCB-136	3.96			
PCB-90/101	47.4				PCB-137	3.99			
PCB-93	ND	0.933			PCB-138/163/164	84.2			
PCB-94	ND	0.877			PCB-139/149	50.6			
PCB-95/98/102	11.8				PCB-140	ND	0.837		
PCB-96	ND	0.673			PCB-141	10.4			
PCB-97	7.44				PCB-144	1.83			J
PCB-99	27.7				PCB-145	ND	0.595		
PCB-100	ND	0.763			PCB-146/165	13.4			
PCB-103	ND	0.759			PCB-147	ND		1.75	
PCB-104	ND	0.582			PCB-148	ND	0.796		
PCB-105	15.2				PCB-150	ND	0.577		
PCB-106/118	46.6				PCB-151	13.7			
PCB-107/109	6.06				PCB-152	ND	0.557		
PCB-108/112	ND		0.959		PCB-153	72.7			
PCB-110	53.6				PCB-154	1.08			J
PCB-111/115	0.480			J	PCB-155	ND	0.543		
PCB-113	ND	0.648			PCB-156	8.43			
PCB-114	ND		0.491		PCB-157	2.35			J
PCB-119	0.950			J	PCB-158/160	6.05			
PCB-120	ND	0.489			PCB-159	ND	0.676		
PCB-121	ND	0.563			PCB-166	ND	0.723		
PCB-122	ND		0.593		PCB-167	4.10			
PCB-123	1.09			J	PCB-168	ND	0.683		
PCB-124	2.86				PCB-169	ND	0.648		
PCB-126	0.935			J	PCB-170	17.3			
PCB-127	ND	0.766			PCB-171	4.23			
PCB-128/162	15.1				PCB-172	3.64			
PCB-129	2.53				PCB-173	ND	0.881		
PCB-130	7.34				PCB-174	19.8			
PCB-131	ND	1.10			PCB-175	0.831			J
PCB-132/161	14.6				PCB-176	1.58			J
PCB-133/142	2.32			J	PCB-177	12.0			
PCB-134/143	2.05			J	PCB-178	5.39			
PCB-135	8.36				PCB-179	7.57			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	37.8				Total octaCB	57.0		60.9	
PCB-181	ND	0.721			Total nonaCB	18.4		19.7	
PCB-182/187	28.8				DecaCB	11.5			
PCB-183	9.46				Total PCB	899			
PCB-184	ND	0.585							
PCB-185	2.17			J					
PCB-186	ND	0.538							
PCB-188	ND	0.515							
PCB-189	0.971			J					
PCB-190	4.10								
PCB-191	ND		0.383						
PCB-192	ND	0.560							
PCB-193	2.18			J					
PCB-194	11.5			B					
PCB-195	4.48								
PCB-196/203	17.2								
PCB-197	0.589			J					
PCB-198	0.871			J					
PCB-199	18.3								
PCB-200	1.69			J					
PCB-201	1.68			J					
PCB-202	ND		3.91						
PCB-204	ND	0.772							
PCB-205	0.746			J					
PCB-206	13.7								
PCB-207	ND		1.30						
PCB-208	4.71								
PCB-209	11.5								
Total monoCB	ND		1.27						
Total diCB	4.13		6.53						
Total triCB	7.18		9.78						
Total tetraCB	49.4								
Total pentaCB	264		266						
Total hexaCB	329		331						
Total heptaCB	158								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	82.9	5 -145		13C-PCB-170	100	10 -145	
13C-PCB-3	94.6	5 -145		13C-PCB-180	97.0	10 -145	
13C-PCB-4	69.3	5 -145		13C-PCB-188	89.9	10 -145	
13C-PCB-11	90.6	5 -145		13C-PCB-189	103	10 -145	
13C-PCB-9	74.0	5 -145		13C-PCB-194	93.7	10 -145	
13C-PCB-19	98.0	5 -145		13C-PCB-202	94.1	10 -145	
13C-PCB-28	93.9	5 -145		13C-PCB-206	96.0	10 -145	
13C-PCB-32	101	5 -145		13C-PCB-208	80.0	10 -145	
13C-PCB-37	99.9	5 -145		13C-PCB-209	98.1	10 -145	
13C-PCB-47	89.5	5 -145		CRS 13C-PCB-79	95.8	10 -145	
13C-PCB-52	90.0	5 -145		13C-PCB-178	97.1	10 -145	
13C-PCB-54	73.8	5 -145					
13C-PCB-70	91.9	5 -145					
13C-PCB-77	94.1	10 -145					
13C-PCB-80	92.8	10 -145					
13C-PCB-81	92.7	10 -145					
13C-PCB-95	92.2	10 -145					
13C-PCB-97	98.8	10 -145					
13C-PCB-101	95.9	10 -145					
13C-PCB-104	90.1	10 -145					
13C-PCB-105	96.0	10 -145					
13C-PCB-114	90.8	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	99.9	10 -145					
13C-PCB-127	96.8	10 -145					
13C-PCB-138	93.4	10 -145					
13C-PCB-141	91.3	10 -145					
13C-PCB-153	89.2	10 -145					
13C-PCB-155	90.8	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	98.0	10 -145					
13C-PCB-159	97.0	10 -145					
13C-PCB-167	97.3	10 -145					
13C-PCB-169	106	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	Date Analyzed :	13-Jun-15 13:27	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	0.767			J	PCB-44	1.80			J
PCB-2	1.14			J	PCB-45	ND	0.435		
PCB-3	0.838			J	PCB-46	ND	0.476		
PCB-4/10	ND	3.48			PCB-47	2.24			J
PCB-5/8	ND	2.72			PCB-48/75	ND	0.343		
PCB-6	ND	2.79			PCB-50	ND	0.474		
PCB-7/9	ND	2.76			PCB-51	ND	0.389		
PCB-11	ND	2.68			PCB-52/69	1.78			J
PCB-12/13	ND	2.71			PCB-53	ND	0.398		
PCB-14	ND	2.34			PCB-54	ND	0.360		
PCB-15	ND	2.39			PCB-55	ND	0.279		
PCB-16/32	1.23			J	PCB-56/60	2.14			J
PCB-17	ND	0.298			PCB-57	ND	0.314		
PCB-18	1.20			J	PCB-58	ND	0.310		
PCB-19	ND	0.366			PCB-61/70	5.18			
PCB-20/21/33	ND		1.32		PCB-62	ND	0.335		
PCB-22	0.946			J	PCB-63	ND	0.303		
PCB-23	ND	0.303			PCB-65	ND	0.345		
PCB-24/27	ND	0.219			PCB-66/76	2.85			J
PCB-25	ND	0.335			PCB-67	ND	0.323		
PCB-26	ND	0.297			PCB-68	0.421			J
PCB-28	1.53			J	PCB-73	ND	0.320		
PCB-29	ND	0.303			PCB-74	0.982			J
PCB-30	ND	0.231			PCB-77	2.09			J
PCB-31	1.93			J	PCB-78	ND	0.290		
PCB-34	ND	0.282			PCB-79	ND	0.296		
PCB-35	ND	0.304			PCB-80	ND	0.259		
PCB-36	ND	0.294			PCB-81	ND	0.265		
PCB-37	1.23			J	PCB-82	1.41			J
PCB-38	ND	0.307			PCB-83	ND	0.514		
PCB-39	ND	0.303			PCB-84/92	4.35			J
PCB-40	ND	0.531			PCB-85/116	3.81			J
PCB-41/64/71/72	ND		1.35		PCB-86	ND	0.828		
PCB-42/59	0.756			J	PCB-87/117/125	4.36			J
PCB-43/49	2.46			J	PCB-88/91	2.05			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	Date Analyzed :	13-Jun-15 13:27	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.727			PCB-136	ND		1.41	
PCB-90/101	15.3				PCB-137	1.80			J
PCB-93	ND	0.774			PCB-138/163/164	25.8			
PCB-94	ND	0.727			PCB-139/149	19.4			
PCB-95/98/102	6.50			J	PCB-140	ND	0.780		
PCB-96	ND	0.567			PCB-141	3.95			
PCB-97	3.38				PCB-144	ND		0.813	
PCB-99	7.59				PCB-145	ND	0.555		
PCB-100	ND	0.643			PCB-146/165	4.72			J
PCB-103	ND	0.639			PCB-147	0.816			J
PCB-104	ND	0.490			PCB-148	ND	0.742		
PCB-105	6.35				PCB-150	ND	0.537		
PCB-106/118	14.2				PCB-151	4.81			
PCB-107/109	1.36			J	PCB-152	ND	0.519		
PCB-108/112	0.724			J	PCB-153	25.0			
PCB-110	13.5				PCB-154	ND	0.681		
PCB-111/115	0.592			J	PCB-155	ND	0.506		
PCB-113	ND	0.541			PCB-156	2.12			J
PCB-114	ND	0.678			PCB-157	0.741			J
PCB-119	ND		0.357		PCB-158/160	2.65			J
PCB-120	ND	0.430			PCB-159	ND	0.533		
PCB-121	ND	0.467			PCB-166	ND	0.571		
PCB-122	ND	0.807			PCB-167	1.62			J
PCB-123	ND	0.465			PCB-168	ND	0.536		
PCB-124	ND		0.676		PCB-169	ND	0.512		
PCB-126	0.540			J	PCB-170	6.92			
PCB-127	ND	0.725			PCB-171	2.03			J
PCB-128/162	4.76			J	PCB-172	2.38			J
PCB-129	0.898			J	PCB-173	ND	0.661		
PCB-130	2.48				PCB-174	8.46			
PCB-131	ND	0.859			PCB-175	ND	0.584		
PCB-132/161	4.84			J	PCB-176	0.966			J
PCB-133/142	0.983			J	PCB-177	4.92			
PCB-134/143	0.998			J	PCB-178	2.48			
PCB-135	3.03				PCB-179	3.67			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	Date Analyzed :	13-Jun-15 13:27	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	18.7				Total octaCB	33.7			
PCB-181	ND	0.541			Total nonaCB	15.9			
PCB-182/187	13.8				DecaCB	12.0			
PCB-183	4.54				Total PCB	365			
PCB-184	ND	0.457							
PCB-185	ND		0.710						
PCB-186	ND	0.420							
PCB-188	ND	0.402							
PCB-189	0.396			J					
PCB-190	1.65			J					
PCB-191	0.422			J					
PCB-192	ND	0.420							
PCB-193	1.24			J					
PCB-194	5.66			B					
PCB-195	1.73			J					
PCB-196/203	9.06								
PCB-197	ND	0.559							
PCB-198	0.524			J					
PCB-199	10.3								
PCB-200	1.11			J					
PCB-201	1.67			J					
PCB-202	3.26								
PCB-204	ND	0.607							
PCB-205	0.392			J					
PCB-206	9.67								
PCB-207	2.08			J					
PCB-208	4.12								
PCB-209	12.0								
Total monoCB	2.74								
Total diCB	ND	3.48							
Total triCB	8.07		9.40						
Total tetraCB	22.7		24.0						
Total pentaCB	86.1		87.1						
Total hexaCB	111		114						
Total heptaCB	72.5		73.3						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11
Project:	Stiller Pond	Sample Size:	11.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 13:27
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.7	5 -145		13C-PCB-170	96.5	10 -145	
13C-PCB-3	90.8	5 -145		13C-PCB-180	95.9	10 -145	
13C-PCB-4	74.4	5 -145		13C-PCB-188	87.6	10 -145	
13C-PCB-11	83.9	5 -145		13C-PCB-189	102	10 -145	
13C-PCB-9	79.6	5 -145		13C-PCB-194	90.3	10 -145	
13C-PCB-19	99.2	5 -145		13C-PCB-202	91.0	10 -145	
13C-PCB-28	89.6	5 -145		13C-PCB-206	94.7	10 -145	
13C-PCB-32	105	5 -145		13C-PCB-208	77.4	10 -145	
13C-PCB-37	98.2	5 -145		13C-PCB-209	95.6	10 -145	
13C-PCB-47	88.7	5 -145		CRS 13C-PCB-79	92.4	10 -145	
13C-PCB-52	93.1	5 -145		13C-PCB-178	94.1	10 -145	
13C-PCB-54	77.5	5 -145					
13C-PCB-70	90.4	5 -145					
13C-PCB-77	93.2	10 -145					
13C-PCB-80	90.0	10 -145					
13C-PCB-81	92.4	10 -145					
13C-PCB-95	92.3	10 -145					
13C-PCB-97	97.5	10 -145					
13C-PCB-101	94.8	10 -145					
13C-PCB-104	88.0	10 -145					
13C-PCB-105	93.5	10 -145					
13C-PCB-114	90.7	10 -145					
13C-PCB-118	99.8	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	95.0	10 -145					
13C-PCB-138	93.3	10 -145					
13C-PCB-141	90.0	10 -145					
13C-PCB-153	87.4	10 -145					
13C-PCB-155	91.2	10 -145					
13C-PCB-156	96.8	10 -145					
13C-PCB-157	98.0	10 -145					
13C-PCB-159	94.8	10 -145					
13C-PCB-167	95.6	10 -145					
13C-PCB-169	99.9	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:10	% Solids:	81.6	Date Analyzed :	13-Jun-15 14:31	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.784			PCB-44	ND	0.490		
PCB-2	ND	0.782			PCB-45	ND	0.421		
PCB-3	ND	0.780			PCB-46	ND	0.461		
PCB-4/10	ND	2.84			PCB-47	0.657			J
PCB-5/8	ND	2.10			PCB-48/75	ND	0.321		
PCB-6	ND	2.15			PCB-50	ND	0.459		
PCB-7/9	ND	2.13			PCB-51	ND	0.377		
PCB-11	2.37			J	PCB-52/69	0.338			J
PCB-12/13	ND	2.08			PCB-53	ND	0.385		
PCB-14	ND	1.80			PCB-54	ND	0.348		
PCB-15	ND	1.83			PCB-55	ND	0.262		
PCB-16/32	ND	0.332			PCB-56/60	0.474			J
PCB-17	ND	0.364			PCB-57	ND	0.297		
PCB-18	ND	0.392			PCB-58	ND	0.293		
PCB-19	ND	0.440			PCB-61/70	0.987			J
PCB-20/21/33	ND	0.348			PCB-62	ND	0.314		
PCB-22	ND	0.346			PCB-63	ND	0.286		
PCB-23	ND	0.333			PCB-65	ND	0.324		
PCB-24/27	ND	0.268			PCB-66/76	0.574			J
PCB-25	ND	0.367			PCB-67	ND	0.305		
PCB-26	ND	0.325			PCB-68	0.381			J
PCB-28	ND	0.326			PCB-73	ND	0.310		
PCB-29	ND	0.333			PCB-74	0.242			J
PCB-30	ND	0.278			PCB-77	ND	0.274		
PCB-31	ND	0.322			PCB-78	ND	0.278		
PCB-34	ND	0.310			PCB-79	ND	0.278		
PCB-35	ND	0.329			PCB-80	ND	0.243		
PCB-36	ND	0.318			PCB-81	ND	0.254		
PCB-37	ND	0.306			PCB-82	ND	0.944		
PCB-38	ND	0.332			PCB-83	ND	0.653		
PCB-39	ND	0.327			PCB-84/92	ND		0.666	
PCB-40	ND	0.497			PCB-85/116	ND	0.780		
PCB-41/64/71/72	0.443			J	PCB-86	ND	1.05		
PCB-42/59	ND	0.345			PCB-87/117/125	ND	0.682		
PCB-43/49	0.474			J	PCB-88/91	ND	0.909		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:10	% Solids:	81.6	Date Analyzed :	13-Jun-15 14:31	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.954			PCB-136	ND	0.520		
PCB-90/101	2.68			J	PCB-137	ND	0.532		
PCB-93	ND	0.962			PCB-138/163/164	3.62			J
PCB-94	ND	0.904			PCB-139/149	2.50			J
PCB-95/98/102	ND		1.04		PCB-140	ND	0.764		
PCB-96	ND	0.689			PCB-141	ND	0.542		
PCB-97	ND	0.836			PCB-144	ND	0.694		
PCB-99	1.29			J	PCB-145	ND	0.543		
PCB-100	ND	0.781			PCB-146/165	ND	0.511		
PCB-103	ND	0.777			PCB-147	ND	0.762		
PCB-104	ND	0.596			PCB-148	ND	0.726		
PCB-105	0.977			J	PCB-150	ND	0.527		
PCB-106/118	2.17			J	PCB-151	ND	0.726		
PCB-107/109	ND	0.525			PCB-152	ND	0.508		
PCB-108/112	ND	0.772			PCB-153	3.24			
PCB-110	2.41			J	PCB-154	ND	0.667		
PCB-111/115	ND	0.585			PCB-155	ND	0.496		
PCB-113	ND	0.709			PCB-156	ND	0.381		
PCB-114	ND	0.413			PCB-157	ND	0.398		
PCB-119	ND	0.578			PCB-158/160	ND	0.398		
PCB-120	ND	0.547			PCB-159	ND	0.408		
PCB-121	ND	0.580			PCB-166	ND	0.437		
PCB-122	ND	0.491			PCB-167	ND	0.408		
PCB-123	ND	0.560			PCB-168	ND	0.408		
PCB-124	ND	0.538			PCB-169	ND	0.396		
PCB-126	ND	0.473			PCB-170	ND		0.660	
PCB-127	ND	0.458			PCB-171	ND	0.334		
PCB-128/162	0.855			J	PCB-172	ND	0.359		
PCB-129	ND	0.594			PCB-173	ND	0.440		
PCB-130	ND	0.681			PCB-174	1.04			J
PCB-131	ND	0.654			PCB-175	ND	0.388		
PCB-132/161	ND		0.696		PCB-176	ND	0.279		
PCB-133/142	ND	0.609			PCB-177	ND	0.384		
PCB-134/143	ND	0.594			PCB-178	ND	0.377		
PCB-135	ND	0.745			PCB-179	ND	0.292		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data			Sample Data			Laboratory Data					
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil		Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond		Sample Size:	12.6 g		QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:10		% Solids:	81.6		Date Analyzed:	13-Jun-15 14:31	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	2.27			J	Total octaCB	1.04		2.62	
PCB-181	ND	0.360			Total nonaCB	1.84			
PCB-182/187	2.19			J	DecaCB	1.27			
PCB-183	ND	0.332			Total PCB	36.3			
PCB-184	ND	0.303							
PCB-185	ND	0.346							
PCB-186	ND	0.278							
PCB-188	ND	0.267							
PCB-189	ND	0.212							
PCB-190	ND	0.240							
PCB-191	ND	0.261							
PCB-192	ND	0.280							
PCB-193	ND	0.262							
PCB-194	1.04			J, B					
PCB-195	ND	0.429							
PCB-196/203	ND		0.963						
PCB-197	ND	0.432							
PCB-198	ND	0.669							
PCB-199	ND		0.622						
PCB-200	ND	0.487							
PCB-201	ND	0.460							
PCB-202	ND	0.495							
PCB-204	ND	0.469							
PCB-205	ND	0.303							
PCB-206	1.28			J					
PCB-207	ND	0.603							
PCB-208	0.560			J					
PCB-209	1.27			J					
Total monoCB	ND	0.784							
Total diCB	2.37								
Total triCB	ND	0.440							
Total tetraCB	4.57								
Total pentaCB	9.54		11.2						
Total hexaCB	10.2		10.9						
Total heptaCB	5.50		6.16						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-12
Project:	Stiller Pond	Sample Size:	12.6 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:10	% Solids:	81.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 14:31
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	84.9	5 -145		13C-PCB-170	104	10 -145	
13C-PCB-3	89.2	5 -145		13C-PCB-180	103	10 -145	
13C-PCB-4	72.7	5 -145		13C-PCB-188	96.4	10 -145	
13C-PCB-11	86.1	5 -145		13C-PCB-189	113	10 -145	
13C-PCB-9	80.3	5 -145		13C-PCB-194	99.5	10 -145	
13C-PCB-19	96.2	5 -145		13C-PCB-202	102	10 -145	
13C-PCB-28	88.9	5 -145		13C-PCB-206	113	10 -145	
13C-PCB-32	100	5 -145		13C-PCB-208	86.3	10 -145	
13C-PCB-37	99.0	5 -145		13C-PCB-209	117	10 -145	
13C-PCB-47	93.8	5 -145		CRS 13C-PCB-79	99.7	10 -145	
13C-PCB-52	96.9	5 -145		13C-PCB-178	103	10 -145	
13C-PCB-54	80.7	5 -145					
13C-PCB-70	93.9	5 -145					
13C-PCB-77	96.0	10 -145					
13C-PCB-80	95.6	10 -145					
13C-PCB-81	95.4	10 -145					
13C-PCB-95	97.1	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	97.4	10 -145					
13C-PCB-104	95.1	10 -145					
13C-PCB-105	108	10 -145					
13C-PCB-114	110	10 -145					
13C-PCB-118	112	10 -145					
13C-PCB-123	115	10 -145					
13C-PCB-126	112	10 -145					
13C-PCB-127	107	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	99.3	10 -145					
13C-PCB-153	97.8	10 -145					
13C-PCB-155	96.8	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	103	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	103	10 -145					
13C-PCB-169	111	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1500497-13	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond		Sample Size:	14.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:20		% Solids:	69.1	Date Analyzed:	13-Jun-15 15:35	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.727			PCB-44	1.18			J
PCB-2	ND		0.535		PCB-45	ND	0.547		
PCB-3	ND	0.771			PCB-46	ND	0.600		
PCB-4/10	ND	3.21			PCB-47	ND		0.518	
PCB-5/8	ND	2.52			PCB-48/75	ND	0.411		
PCB-6	ND	2.59			PCB-50	ND	0.586		
PCB-7/9	ND	2.56			PCB-51	ND	0.490		
PCB-11	ND	2.48			PCB-52/69	1.98			J
PCB-12/13	ND	2.52			PCB-53	ND	0.501		
PCB-14	ND	2.17			PCB-54	ND	0.446		
PCB-15	ND	2.21			PCB-55	ND	0.324		
PCB-16/32	ND	0.424			PCB-56/60	1.21			J
PCB-17	ND	0.465			PCB-57	ND	0.363		
PCB-18	ND	0.502			PCB-58	ND	0.357		
PCB-19	ND	0.538			PCB-61/70	ND		1.94	
PCB-20/21/33	ND	0.387			PCB-62	ND	0.402		
PCB-22	ND	0.385			PCB-63	ND	0.349		
PCB-23	ND	0.370			PCB-65	ND	0.414		
PCB-24/27	ND	0.342			PCB-66/76	1.43			J
PCB-25	ND	0.408			PCB-67	ND	0.372		
PCB-26	ND	0.362			PCB-68	ND	0.339		
PCB-28	1.30			J	PCB-73	ND	0.404		
PCB-29	ND	0.370			PCB-74	0.628			J
PCB-30	ND	0.340			PCB-77	0.665			J
PCB-31	1.40			J	PCB-78	ND	0.341		
PCB-34	ND	0.344			PCB-79	ND	0.344		
PCB-35	ND	0.343			PCB-80	ND	0.301		
PCB-36	ND	0.331			PCB-81	ND	0.311		
PCB-37	0.739			J	PCB-82	ND	1.25		
PCB-38	ND	0.347			PCB-83	ND	0.822		
PCB-39	ND	0.341			PCB-84/92	2.06			J
PCB-40	ND	0.636			PCB-85/116	2.89			J
PCB-41/64/71/72	ND		0.742		PCB-86	ND	1.32		
PCB-42/59	ND	0.441			PCB-87/117/125	2.41			J
PCB-43/49	ND		1.11		PCB-88/91	0.782			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	14.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	Date Analyzed :	13-Jun-15 15:35	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.19			PCB-136	0.670			J
PCB-90/101	7.02				PCB-137	ND		1.19	
PCB-93	ND	1.23			PCB-138/163/164	21.0			
PCB-94	ND	1.16			PCB-139/149	9.17			
PCB-95/98/102	3.02			J	PCB-140	ND	0.951		
PCB-96	ND	0.850			PCB-141	2.07			J
PCB-97	1.56			J	PCB-144	ND	0.864		
PCB-99	5.57				PCB-145	ND	0.676		
PCB-100	ND	0.964			PCB-146/165	3.24			J
PCB-103	ND	0.959			PCB-147	ND	0.949		
PCB-104	ND	0.735			PCB-148	ND	0.904		
PCB-105	4.79				PCB-150	ND	0.655		
PCB-106/118	7.02				PCB-151	2.38			J
PCB-107/109	0.866			J	PCB-152	ND	0.632		
PCB-108/112	ND	0.972			PCB-153	19.5			
PCB-110	8.42				PCB-154	ND	0.830		
PCB-111/115	ND	0.736			PCB-155	ND	0.617		
PCB-113	ND	0.881			PCB-156	1.66			J
PCB-114	ND	0.606			PCB-157	ND		0.670	
PCB-119	ND	0.727			PCB-158/160	2.22			J
PCB-120	ND	0.688			PCB-159	ND	0.542		
PCB-121	ND	0.741			PCB-166	ND	0.580		
PCB-122	ND	0.721			PCB-167	1.03			J
PCB-123	ND	0.742			PCB-168	ND	0.554		
PCB-124	ND	0.712			PCB-169	ND	0.532		
PCB-126	ND	0.636			PCB-170	4.31			
PCB-127	ND	0.652			PCB-171	ND		1.19	
PCB-128/162	3.38			J	PCB-172	1.01			J
PCB-129	0.745			J	PCB-173	ND	0.693		
PCB-130	1.10			J	PCB-174	5.53			
PCB-131	ND	0.888			PCB-175	ND		0.443	
PCB-132/161	2.02			J	PCB-176	ND	0.438		
PCB-133/142	ND		0.416		PCB-177	3.41			
PCB-134/143	0.448			J	PCB-178	1.88			J
PCB-135	1.64			J	PCB-179	2.09			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13
Project:	Stiller Pond	Sample Size:	14.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 15:35
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	12.2				Total octaCB	20.6		21.8	
PCB-181	ND	0.567			Total nonaCB	9.65			
PCB-182/187	9.79				DecaCB	6.18			
PCB-183	2.60				Total PCB	212			
PCB-184	ND	0.477							
PCB-185	0.755			J					
PCB-186	ND	0.438							
PCB-188	ND	0.419							
PCB-189	0.456			J					
PCB-190	1.26			J					
PCB-191	ND	0.411							
PCB-192	ND	0.440							
PCB-193	0.929			J					
PCB-194	3.68			B					
PCB-195	ND		1.08						
PCB-196/203	5.82								
PCB-197	ND	0.704							
PCB-198	ND	1.09							
PCB-199	7.29								
PCB-200	ND	0.794							
PCB-201	1.07			J					
PCB-202	2.71								
PCB-204	ND	0.764							
PCB-205	ND		0.178						
PCB-206	6.27								
PCB-207	1.31			J					
PCB-208	2.06			J					
PCB-209	6.18								
Total monoCB	ND		0.535						
Total diCB	ND	3.21							
Total triCB	3.43								
Total tetraCB	7.09		11.4						
Total pentaCB	46.4								
Total hexaCB	72.3		74.6						
Total heptaCB	46.2		47.8						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13
Project:	Stiller Pond	Sample Size:	14.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 15:35
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	86.5	5 -145		13C-PCB-170	92.5	10 -145	
13C-PCB-3	85.9	5 -145		13C-PCB-180	90.3	10 -145	
13C-PCB-4	72.9	5 -145		13C-PCB-188	84.4	10 -145	
13C-PCB-11	80.8	5 -145		13C-PCB-189	95.9	10 -145	
13C-PCB-9	76.1	5 -145		13C-PCB-194	87.0	10 -145	
13C-PCB-19	93.7	5 -145		13C-PCB-202	88.9	10 -145	
13C-PCB-28	76.9	5 -145		13C-PCB-206	94.4	10 -145	
13C-PCB-32	96.1	5 -145		13C-PCB-208	78.8	10 -145	
13C-PCB-37	90.1	5 -145		13C-PCB-209	90.5	10 -145	
13C-PCB-47	83.9	5 -145		CRS 13C-PCB-79	90.1	10 -145	
13C-PCB-52	86.5	5 -145		13C-PCB-178	92.5	10 -145	
13C-PCB-54	71.6	5 -145					
13C-PCB-70	84.8	5 -145					
13C-PCB-77	89.3	10 -145					
13C-PCB-80	85.9	10 -145					
13C-PCB-81	87.2	10 -145					
13C-PCB-95	86.1	10 -145					
13C-PCB-97	90.5	10 -145					
13C-PCB-101	88.6	10 -145					
13C-PCB-104	84.3	10 -145					
13C-PCB-105	91.8	10 -145					
13C-PCB-114	89.4	10 -145					
13C-PCB-118	97.1	10 -145					
13C-PCB-123	99.6	10 -145					
13C-PCB-126	99.8	10 -145					
13C-PCB-127	93.6	10 -145					
13C-PCB-138	90.2	10 -145					
13C-PCB-141	88.5	10 -145					
13C-PCB-153	87.0	10 -145					
13C-PCB-155	86.8	10 -145					
13C-PCB-156	92.8	10 -145					
13C-PCB-157	91.3	10 -145					
13C-PCB-159	90.1	10 -145					
13C-PCB-167	92.5	10 -145					
13C-PCB-169	95.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 16:39
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.945			PCB-44	ND	0.542		
PCB-2	ND	1.04			PCB-45	ND	0.490		
PCB-3	ND	1.04			PCB-46	ND	0.537		
PCB-4/10	ND	3.17			PCB-47	ND	0.394		
PCB-5/8	ND	2.61			PCB-48/75	ND	0.356		
PCB-6	ND	2.67			PCB-50	ND	0.489		
PCB-7/9	ND	2.64			PCB-51	ND	0.439		
PCB-11	ND	2.99			PCB-52/69	ND	0.395		
PCB-12/13	ND	3.04			PCB-53	ND	0.448		
PCB-14	ND	2.23			PCB-54	ND	0.372		
PCB-15	ND	2.67			PCB-55	ND	0.305		
PCB-16/32	ND	0.346			PCB-56/60	ND	0.339		
PCB-17	ND	0.379			PCB-57	ND	0.321		
PCB-18	ND	0.409			PCB-58	ND	0.316		
PCB-19	ND	0.436			PCB-61/70	ND	0.319		
PCB-20/21/33	ND	0.357			PCB-62	ND	0.348		
PCB-22	ND	0.355			PCB-63	ND	0.309		
PCB-23	ND	0.341			PCB-65	ND	0.359		
PCB-24/27	ND	0.279			PCB-66/76	ND	0.304		
PCB-25	ND	0.376			PCB-67	ND	0.329		
PCB-26	ND	0.334			PCB-68	ND	0.293		
PCB-28	ND	0.334			PCB-73	ND	0.361		
PCB-29	ND	0.341			PCB-74	ND	0.296		
PCB-30	ND	0.276			PCB-77	ND	0.295		
PCB-31	ND	0.330			PCB-78	ND	0.326		
PCB-34	ND	0.317			PCB-79	ND	0.324		
PCB-35	ND	0.367			PCB-80	ND	0.283		
PCB-36	ND	0.355			PCB-81	ND	0.298		
PCB-37	ND	0.342			PCB-82	ND	1.08		
PCB-38	ND	0.371			PCB-83	ND	0.694		
PCB-39	ND	0.366			PCB-84/92	ND	0.994		
PCB-40	ND	0.551			PCB-85/116	ND	0.828		
PCB-41/64/71/72	ND	0.353			PCB-86	ND	1.12		
PCB-42/59	ND	0.382			PCB-87/117/125	ND	0.725		
PCB-43/49	ND	0.447			PCB-88/91	ND	1.04		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 16:39
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.07			PCB-136	ND	0.572		
PCB-90/101	ND	0.883			PCB-137	ND	0.642		
PCB-93	ND	1.10			PCB-138/163/164	ND	0.526		
PCB-94	ND	1.04			PCB-139/149	ND	0.750		
PCB-95/98/102	ND	0.910			PCB-140	ND	0.840		
PCB-96	ND	0.759			PCB-141	ND	0.654		
PCB-97	ND	0.889			PCB-144	ND	0.763		
PCB-99	ND	0.853			PCB-145	ND	0.597		
PCB-100	ND	0.860			PCB-146/165	ND	0.595		
PCB-103	ND	0.856			PCB-147	ND	0.838		
PCB-104	ND	0.656			PCB-148	ND	0.799		
PCB-105	ND	0.472			PCB-150	ND	0.579		
PCB-106/118	ND	0.618			PCB-151	ND	0.798		
PCB-107/109	ND	0.599			PCB-152	ND	0.559		
PCB-108/112	ND	0.820			PCB-153	ND		0.493	
PCB-110	ND	0.678			PCB-154	ND	0.733		
PCB-111/115	ND	0.621			PCB-155	ND	0.545		
PCB-113	ND	0.795			PCB-156	ND	0.449		
PCB-114	ND	0.532			PCB-157	ND	0.457		
PCB-119	ND	0.614			PCB-158/160	ND	0.491		
PCB-120	ND	0.581			PCB-159	ND	0.455		
PCB-121	ND	0.666			PCB-166	ND	0.487		
PCB-122	ND	0.633			PCB-167	ND	0.487		
PCB-123	ND	0.639			PCB-168	ND	0.474		
PCB-124	ND	0.614			PCB-169	ND	0.442		
PCB-126	ND	0.532			PCB-170	ND	0.369		
PCB-127	ND	0.551			PCB-171	ND	0.395		
PCB-128/162	ND	0.538			PCB-172	ND	0.425		
PCB-129	ND	0.733			PCB-173	ND	0.521		
PCB-130	ND	0.822			PCB-174	ND	0.446		
PCB-131	ND	0.761			PCB-175	ND	0.432		
PCB-132/161	ND	0.575			PCB-176	ND	0.311		
PCB-133/142	ND	0.708			PCB-177	ND	0.454		
PCB-134/143	ND	0.691			PCB-178	ND	0.421		
PCB-135	ND	0.819			PCB-179	ND	0.325		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 16:39
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.397			Total octaCB	ND	0.837		
PCB-181	ND	0.426			Total nonaCB	ND	0.711		
PCB-182/187	ND	0.398			DecaCB	ND	0.467		
PCB-183	ND	0.370			Total PCB	ND			
PCB-184	ND	0.338							
PCB-185	ND	0.409							
PCB-186	ND	0.311							
PCB-188	ND	0.297							
PCB-189	ND	0.263							
PCB-190	ND	0.275							
PCB-191	ND	0.309							
PCB-192	ND	0.331							
PCB-193	ND	0.311							
PCB-194	ND	0.453							
PCB-195	ND	0.513							
PCB-196/203	ND	0.749							
PCB-197	ND	0.532							
PCB-198	ND	0.823							
PCB-199	ND	0.837							
PCB-200	ND	0.600							
PCB-201	ND	0.566							
PCB-202	ND	0.609							
PCB-204	ND	0.578							
PCB-205	ND	0.363							
PCB-206	ND	0.711							
PCB-207	ND	0.493							
PCB-208	ND	0.500							
PCB-209	ND	0.467							
Total monoCB	ND	1.04							
Total diCB	ND	3.17							
Total triCB	ND	0.436							
Total tetraCB	ND	0.551							
Total pentaCB	ND	1.12							
Total hexaCB	ND		0.493						
Total heptaCB	ND	0.521							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 16:39
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	108	5 -145		13C-PCB-170	97.9	10 -145	
13C-PCB-3	102	5 -145		13C-PCB-180	94.1	10 -145	
13C-PCB-4	83.7	5 -145		13C-PCB-188	89.4	10 -145	
13C-PCB-11	90.3	5 -145		13C-PCB-189	101	10 -145	
13C-PCB-9	86.0	5 -145		13C-PCB-194	92.5	10 -145	
13C-PCB-19	103	5 -145		13C-PCB-202	94.1	10 -145	
13C-PCB-28	90.0	5 -145		13C-PCB-206	109	10 -145	
13C-PCB-32	104	5 -145		13C-PCB-208	79.7	10 -145	
13C-PCB-37	96.6	5 -145		13C-PCB-209	99.4	10 -145	
13C-PCB-47	93.7	5 -145		CRS 13C-PCB-79	94.9	10 -145	
13C-PCB-52	96.2	5 -145		13C-PCB-178	96.3	10 -145	
13C-PCB-54	82.3	5 -145					
13C-PCB-70	95.5	5 -145					
13C-PCB-77	93.0	10 -145					
13C-PCB-80	90.7	10 -145					
13C-PCB-81	92.6	10 -145					
13C-PCB-95	92.2	10 -145					
13C-PCB-97	95.8	10 -145					
13C-PCB-101	91.4	10 -145					
13C-PCB-104	90.8	10 -145					
13C-PCB-105	99.7	10 -145					
13C-PCB-114	92.8	10 -145					
13C-PCB-118	100	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	98.4	10 -145					
13C-PCB-138	93.2	10 -145					
13C-PCB-141	90.7	10 -145					
13C-PCB-153	90.3	10 -145					
13C-PCB-155	92.0	10 -145					
13C-PCB-156	98.7	10 -145					
13C-PCB-157	97.4	10 -145					
13C-PCB-159	94.8	10 -145					
13C-PCB-167	94.7	10 -145					
13C-PCB-169	102	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1500497 TAT Std

Samples Arrival:	Date/Time <u>06/04/15 1028</u>		Initials: <u>UBB</u>		Location: <u>WR-2</u>	
	Shelf/Rack: <u>NA</u>					
Logged In:	Date/Time <u>06/04/15 1245</u>		Initials: <u>UBB</u>		Location: <u>WR-2</u>	
	Shelf/Rack: <u>E4</u>					
Delivered By:	FedEx	<u>UPS</u>	On Trac	DHL	Hand Delivered	Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice	None		
Temp °C:	<u>1.3</u> (uncorrected)	Time: <u>1109</u>	Thermometer ID: IR-1			
Temp °C:	<u>1.4</u> (corrected)					

		YES	NO	NA	
Adequate Sample Volume Received?		✓			
Holding Time Acceptable?		✓			
Shipping Container(s) Intact?		✓			
Shipping Custody Seals Intact?		✓			
Shipping Documentation Present?		✓			
Airbill	Trk # <u>1E 62E 3F7 01 0635 0966</u>	✓			
Sample Container Intact?		✓			
Sample Custody Seals Intact?				✓	
Chain of Custody / Sample Documentation Present?		✓			
COC Anomaly/Sample Acceptance Form completed?				✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				✓	
Na ₂ S ₂ O ₃ Preservation Documented?	COC	Sample Container	<u>None</u>		
Shipping Container	<u>Vista</u>	Client	Retain	Return	Dispose

Comments:

Soil #1 sample label collection date/time omitted

LAST CHANCE ROAD – PRE-OPERATIONS SAMPLING

May 29, 2014

Vista Project I.D.: 1400373

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 21, 2014. This sample set was analyzed on a standard turn-around time, under your Project Name 'WA Pre Sampling'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

July 04, 2015

Vista Project I.D.: 1500497

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on June 04, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1500497

Case Narrative

Sample Condition on Receipt:

Fourteen soil samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	68
Certifications.....	69
Sample Receipt.....	70

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1500497-01	Soil #1	03-Jun-15 11:55	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-02	Soil #2	03-Jun-15 12:00	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-03	Soil #3	03-Jun-15 12:10	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-04	Soil #4	03-Jun-15 12:15	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-05	Soil #5	03-Jun-15 12:20	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-06	Soil #6	03-Jun-15 12:25	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-07	Soil #7	03-Jun-15 12:30	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-08	Soil #8	03-Jun-15 12:35	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-09	Soil #9	03-Jun-15 12:40	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-10	Soil #10	03-Jun-15 12:45	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-11	LCR #1	03-Jun-15 11:05	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-12	LCR #2	03-Jun-15 11:10	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-13	LCR #3	03-Jun-15 11:20	04-Jun-15 10:28	Amber Glass, 120 mL
1500497-14	LCR #4	03-Jun-15 11:25	04-Jun-15 10:28	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0040	Lab Sample: B5F0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Jun-2015 15:54	Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-43/49	ND	0.475		
PCB-2	ND	1.17			PCB-44	ND	0.600		
PCB-3	ND	1.17			PCB-45	ND	0.519		
PCB-4/10	ND	4.81			PCB-46	ND	0.569		
PCB-5/8	ND	4.06			PCB-47	ND	0.436		
PCB-6	ND	4.17			PCB-48/75	ND	0.394		
PCB-7/9	ND	4.12			PCB-50	ND	0.553		
PCB-11	ND	3.36			PCB-51	ND	0.465		
PCB-12/13	ND	3.99			PCB-52/69	ND	0.419		
PCB-14	ND	3.44			PCB-53	ND	0.475		
PCB-15	ND	3.51			PCB-54	ND	0.420		
PCB-16/32	ND	0.391			PCB-55	ND	0.303		
PCB-17	ND	0.428			PCB-56/60	ND	0.337		
PCB-18	ND	0.462			PCB-57	ND	0.339		
PCB-19	ND	0.501			PCB-58	ND	0.334		
PCB-20/21/33	ND	0.415			PCB-61/70	ND	0.337		
PCB-22	ND	0.413			PCB-62	ND	0.385		
PCB-23	ND	0.397			PCB-63	ND	0.326		
PCB-24/27	ND	0.315			PCB-65	ND	0.397		
PCB-25	ND	0.438			PCB-66/76	ND	0.321		
PCB-26	ND	0.388			PCB-67	ND	0.347		
PCB-28	ND	0.388			PCB-68	ND	0.325		
PCB-29	ND	0.397			PCB-73	ND	0.383		
PCB-30	ND	0.317			PCB-74	ND	0.313		
PCB-31	ND	0.384			PCB-77	ND	0.310		
PCB-34	ND	0.369			PCB-78	ND	0.336		
PCB-35	ND	0.378			PCB-79	ND	0.321		
PCB-36	ND	0.365			PCB-80	ND	0.281		
PCB-37	ND	0.352			PCB-81	ND	0.307		
PCB-38	ND	0.382			PCB-82	ND	1.11		
PCB-39	ND	0.376			PCB-83	ND	0.697		
PCB-40	ND	0.610			PCB-84/92	ND	0.943		
PCB-41/64/71/72	ND	0.391			PCB-85/116	ND	0.832		
PCB-42/59	ND	0.423			PCB-86	ND	1.12		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B5F0040
Date Extracted: 09-Jun-2015 15:54Lab Sample: B5F0040-BLK1
Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.728			PCB-133/142	ND	0.800		
PCB-88/91	ND	0.958			PCB-134/143	ND	0.781		
PCB-89	ND	1.01			PCB-135	ND	0.840		
PCB-90/101	ND	0.838			PCB-136	ND	0.586		
PCB-93	ND	1.01			PCB-137	ND	0.689		
PCB-94	ND	0.953			PCB-138/163/164	ND	0.593		
PCB-95/98/102	ND	0.835			PCB-139/149	ND	0.769		
PCB-96	ND	0.706			PCB-140	ND	0.861		
PCB-97	ND	0.892			PCB-141	ND	0.702		
PCB-99	ND	0.809			PCB-144	ND	0.782		
PCB-100	ND	0.801			PCB-145	ND	0.612		
PCB-103	ND	0.796			PCB-146/165	ND	0.672		
PCB-104	ND	0.610			PCB-147	ND	0.859		
PCB-105	ND	0.643			PCB-148	ND	0.819		
PCB-106/118	ND	0.606			PCB-150	ND	0.593		
PCB-107/109	ND	0.618			PCB-151	ND	0.818		
PCB-108/112	ND	0.824			PCB-152	ND	0.573		
PCB-110	ND	0.681			PCB-153	ND	0.607		
PCB-111/115	ND	0.624			PCB-154	ND	0.752		
PCB-113	ND	0.754			PCB-155	ND	0.559		
PCB-114	ND	0.669			PCB-156	ND	0.513		
PCB-119	ND	0.616			PCB-157	ND	0.516		
PCB-120	ND	0.583			PCB-158/160	ND	0.554		
PCB-121	ND	0.611			PCB-159	ND	0.527		
PCB-122	ND	0.796			PCB-166	ND	0.565		
PCB-123	ND	0.659			PCB-167	ND	0.548		
PCB-124	ND	0.633			PCB-168	ND	0.536		
PCB-126	ND	0.662			PCB-169	ND	0.529		
PCB-127	ND	0.664			PCB-170	ND	0.481		
PCB-128/162	ND	0.623			PCB-171	ND	0.476		
PCB-129	ND	0.827			PCB-172	ND	0.512		
PCB-130	ND	0.882			PCB-173	ND	0.627		
PCB-131	ND	0.860			PCB-174	ND	0.538		
PCB-132/161	ND	0.650			PCB-175	ND	0.526		

DL - Sample specific estimated detection limit

LCL-UCL - Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Solid		QC Batch: B5F0040			Lab Sample: B5F0040-BLK1				
Sample Size: 10.0 g		Date Extracted: 09-Jun-2015 15:54			Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.378			Total triCB	ND	0.501		
PCB-177	ND	0.547			Total tetraCB	ND	0.610		
PCB-178	ND	0.512			Total pentaCB	ND	1.12		
PCB-179	ND	0.396			Total hexaCB	ND	0.882		
PCB-180	ND	0.478			Total heptaCB	ND	0.627		
PCB-181	ND	0.514			Total octaCB	0.378			
PCB-182/187	ND	0.485			Total nonaCB	ND	0.504		
PCB-183	ND	0.450			DecaCB	ND	0.277		
PCB-184	ND	0.412			Total PCB	0.378			
PCB-185	ND	0.493							
PCB-186	ND	0.378							
PCB-188	ND	0.362							
PCB-189	ND	0.321							
PCB-190	ND	0.357							
PCB-191	ND	0.372							
PCB-192	ND	0.399							
PCB-193	ND	0.374							
PCB-194	0.378			J					
PCB-195	ND	0.413							
PCB-196/203	ND	0.790							
PCB-197	ND	0.562							
PCB-198	ND	0.869							
PCB-199	ND	0.884							
PCB-200	ND	0.633							
PCB-201	ND	0.598							
PCB-202	ND	0.643							
PCB-204	ND	0.610							
PCB-205	ND	0.292							
PCB-206	ND	0.504							
PCB-207	ND	0.317							
PCB-208	ND	0.321							
PCB-209	ND	0.277							
Total monoCB	ND	1.17							
Total diCB	ND	4.81							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0040	Lab Sample: B5F0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Jun-2015 15:54	Date Analyzed: 12-Jun-15 22:15 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	110	5-145		13C-PCB-157	96.7	10-145	
13C-PCB-3	107	5-145		13C-PCB-159	94.5	10-145	
13C-PCB-4	86.4	5-145		13C-PCB-167	94.8	10-145	
13C-PCB-11	93.1	5-145		13C-PCB-169	98.4	10-145	
13C-PCB-9	86.2	5-145		13C-PCB-170	98.4	10-145	
13C-PCB-19	106	5-145		13C-PCB-180	99.7	10-145	
13C-PCB-28	83.2	5-145		13C-PCB-188	93.7	10-145	
13C-PCB-32	107	5-145		13C-PCB-189	105	10-145	
13C-PCB-37	96.7	5-145		13C-PCB-194	99.7	10-145	
13C-PCB-47	93.3	5-145		13C-PCB-202	95.6	10-145	
13C-PCB-52	94.9	5-145		13C-PCB-206	105	10-145	
13C-PCB-54	80.4	5-145		13C-PCB-208	90.2	10-145	
13C-PCB-70	97.0	5-145		13C-PCB-209	106	10-145	
13C-PCB-77	96.3	10-145		CRS 13C-PCB-79	93.2	10-145	
13C-PCB-80	96.9	10-145		13C-PCB-178	98.4	10-145	
13C-PCB-81	94.2	10-145					
13C-PCB-95	97.8	10-145					
13C-PCB-97	98.4	10-145					
13C-PCB-101	97.7	10-145					
13C-PCB-104	95.9	10-145					
13C-PCB-105	95.6	10-145					
13C-PCB-114	91.0	10-145					
13C-PCB-118	101	10-145					
13C-PCB-123	104	10-145					
13C-PCB-126	104	10-145					
13C-PCB-127	101	10-145					
13C-PCB-138	93.0	10-145					
13C-PCB-141	94.8	10-145					
13C-PCB-153	91.3	10-145					
13C-PCB-155	89.0	10-145					
13C-PCB-156	98.9	10-145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B5F0040
Date Extracted: 09-Jun-2015 15:54

Lab Sample: B5F0040-BS1
Date Analyzed: 12-Jun-15 17:58 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	404	500	80.8	60 - 135	IS 13C-PCB-1	59.1	15 - 145
PCB-3	404	500	80.9	60 - 135	IS 13C-PCB-3	72.9	15 - 145
PCB-4/10	866	1000	86.6	60 - 135	IS 13C-PCB-4	64.0	15 - 145
PCB-15	438	500	87.7	60 - 135	IS 13C-PCB-11	80.4	15 - 145
PCB-19	477	500	95.4	60 - 135	IS 13C-PCB-9	66.8	15 - 145
PCB-37	520	500	104	60 - 135	IS 13C-PCB-19	89.5	15 - 145
PCB-54	486	500	97.1	60 - 135	IS 13C-PCB-28	82.1	15 - 145
PCB-77	466	500	93.2	60 - 135	IS 13C-PCB-32	94.6	15 - 145
PCB-81	454	500	90.9	60 - 135	IS 13C-PCB-37	96.4	15 - 145
PCB-104	493	500	98.5	60 - 135	IS 13C-PCB-47	86.1	15 - 145
PCB-105	433	500	86.5	60 - 135	IS 13C-PCB-52	89.2	15 - 145
PCB-106/118	971	1000	97.1	60 - 135	IS 13C-PCB-54	72.2	15 - 145
PCB-114	439	500	87.7	60 - 135	IS 13C-PCB-70	92.0	15 - 145
PCB-123	491	500	98.2	60 - 135	IS 13C-PCB-77	94.8	40 - 145
PCB-126	451	500	90.1	60 - 135	IS 13C-PCB-80	92.8	40 - 145
PCB-155	529	500	106	60 - 135	IS 13C-PCB-81	91.5	40 - 145
PCB-156	467	500	93.4	60 - 135	IS 13C-PCB-95	95.3	40 - 145
PCB-157	468	500	93.6	60 - 135	IS 13C-PCB-97	98.2	40 - 145
PCB-167	468	500	93.5	60 - 135	IS 13C-PCB-101	95.8	40 - 145
PCB-169	489	500	97.7	60 - 135	IS 13C-PCB-104	91.0	40 - 145
PCB-188	470	500	94.0	60 - 135	IS 13C-PCB-105	95.4	40 - 145
PCB-189	474	500	94.8	60 - 135	IS 13C-PCB-114	90.9	40 - 145
PCB-202	490	500	98.0	60 - 135	IS 13C-PCB-118	101	40 - 145
PCB-205	455	500	91.0	60 - 135	IS 13C-PCB-123	103	40 - 145
PCB-206	508	500	102	60 - 135	IS 13C-PCB-126	102	40 - 145
PCB-208	495	500	98.9	60 - 135	IS 13C-PCB-127	97.2	40 - 145
PCB-209	483	500	96.6	60 - 135	IS 13C-PCB-138	92.7	40 - 145
					IS 13C-PCB-141	90.9	40 - 145
					IS 13C-PCB-153	90.3	40 - 145
					IS 13C-PCB-155	85.6	40 - 145
					IS 13C-PCB-156	95.4	40 - 145
					IS 13C-PCB-157	94.8	40 - 145
					IS 13C-PCB-159	92.2	40 - 145
					IS 13C-PCB-167	96.3	40 - 145
					IS 13C-PCB-169	98.5	40 - 145
					IS 13C-PCB-170	99.8	40 - 145
					IS 13C-PCB-180	97.4	40 - 145
					IS 13C-PCB-188	95.4	40 - 145
					IS 13C-PCB-189	98.2	40 - 145
					IS 13C-PCB-194	100	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B5F0040
Date Extracted: 09-Jun-2015 15:54

Lab Sample: B5F0040-BS1
Date Analyzed: 12-Jun-15 17:58 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	96.3	40 - 145
					IS 13C-PCB-206	95.5	40 - 145
					IS 13C-PCB-208	85.4	40 - 145
					IS 13C-PCB-209	97.3	40 - 145
					CRS 13C-PCB-79	94.0	40 - 145
					CRS 13C-PCB-178	102	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.2 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	Date Analyzed :	12-Jun-15 23:19	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	11.1				PCB-44	9.89			
PCB-2	30.3				PCB-45	ND	0.856		
PCB-3	23.1				PCB-46	ND	0.938		
PCB-4/10	ND	3.48			PCB-47	5.68			
PCB-5/8	ND	2.80			PCB-48/75	0.790			J
PCB-6	ND	2.87			PCB-50	ND	0.838		
PCB-7/9	ND	2.84			PCB-51	ND	0.767		
PCB-11	27.4				PCB-52/69	16.4			
PCB-12/13	7.77				PCB-53	0.835			J
PCB-14	ND	2.18			PCB-54	ND	0.637		
PCB-15	9.38				PCB-55	ND		0.656	
PCB-16/32	ND	0.454			PCB-56/60	15.2			
PCB-17	ND	0.497			PCB-57	ND	0.572		
PCB-18	2.62				PCB-58	ND	0.563		
PCB-19	ND	0.623			PCB-61/70	40.0			
PCB-20/21/33	5.30			J	PCB-62	ND	0.616		
PCB-22	3.65				PCB-63	0.818			J
PCB-23	ND	0.538			PCB-65	ND	0.635		
PCB-24/27	ND	0.366			PCB-66/76	23.5			
PCB-25	0.939			J	PCB-67	ND	0.587		
PCB-26	1.43			J	PCB-68	1.12			J
PCB-28	8.90				PCB-73	ND	0.631		
PCB-29	ND	0.538			PCB-74	7.23			
PCB-30	ND	0.394			PCB-77	11.8			
PCB-31	7.84				PCB-78	ND	0.583		
PCB-34	ND	0.501			PCB-79	2.44			
PCB-35	ND		2.24		PCB-80	ND	0.481		
PCB-36	ND	0.505			PCB-81	ND	0.532		
PCB-37	11.3				PCB-82	12.4			
PCB-38	ND		1.65		PCB-83	ND	0.994		
PCB-39	ND	0.520			PCB-84/92	42.8			
PCB-40	1.53			J	PCB-85/116	37.6			
PCB-41/64/71/72	7.26			J	PCB-86	ND	1.60		
PCB-42/59	2.44			J	PCB-87/117/125	50.4			
PCB-43/49	18.5				PCB-88/91	14.8			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	QC Batch:	B5F0040
				Date Analyzed :	12-Jun-15 23:19
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.52			PCB-136	16.8			
PCB-90/101	150				PCB-137	16.5			
PCB-93	ND	1.56			PCB-138/163/164	330			
PCB-94	ND	1.46			PCB-139/149	192			
PCB-95/98/102	46.6				PCB-140	1.31			J
PCB-96	ND	1.06			PCB-141	40.9			
PCB-97	28.6				PCB-144	7.58			
PCB-99	89.6				PCB-145	ND	0.971		
PCB-100	ND	1.20			PCB-146/165	40.7			
PCB-103	0.786			J	PCB-147	8.17			
PCB-104	ND	0.912			PCB-148	ND	1.30		
PCB-105	71.5				PCB-150	ND	0.942		
PCB-106/118	161				PCB-151	45.2			
PCB-107/109	14.9				PCB-152	ND	0.909		
PCB-108/112	5.03				PCB-153	279			
PCB-110	165				PCB-154	2.44			
PCB-111/115	ND		1.21		PCB-155	ND	0.886		
PCB-113	ND	1.13			PCB-156	29.1			
PCB-114	2.00			J	PCB-157	10.3			
PCB-119	2.28			J	PCB-158/160	27.0			
PCB-120	0.931			J	PCB-159	ND	0.698		
PCB-121	ND	0.940			PCB-166	0.866			J
PCB-122	2.30			J	PCB-167	16.5			
PCB-123	6.05				PCB-168	0.567			J
PCB-124	11.7				PCB-169	0.762			J
PCB-126	3.43				PCB-170	65.0			
PCB-127	ND	2.72			PCB-171	17.7			
PCB-128/162	59.2				PCB-172	13.9			
PCB-129	10.6				PCB-173	1.77			J
PCB-130	25.5				PCB-174	75.6			
PCB-131	ND	1.05			PCB-175	3.24			
PCB-132/161	49.9				PCB-176	5.83			
PCB-133/142	7.36				PCB-177	46.6			
PCB-134/143	8.18				PCB-178	17.4			
PCB-135	32.8				PCB-179	28.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	QC Batch:	B5F0040
				Date Analyzed:	12-Jun-15 23:19
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	149				Total octaCB	218		219	
PCB-181	ND	0.676			Total nonaCB	78.8			
PCB-182/187	99.2				DecaCB	70.3			
PCB-183	29.9				Total PCB	3460			
PCB-184	ND		0.807						
PCB-185	8.33								
PCB-186	ND	0.471							
PCB-188	ND	0.450							
PCB-189	3.76								
PCB-190	16.2								
PCB-191	2.87								
PCB-192	ND	0.524							
PCB-193	9.44								
PCB-194	38.7			B					
PCB-195	17.5								
PCB-196/203	58.5								
PCB-197	ND		1.23						
PCB-198	3.18								
PCB-199	64.7								
PCB-200	8.00								
PCB-201	5.81								
PCB-202	19.2								
PCB-204	ND	0.705							
PCB-205	2.66								
PCB-206	53.7								
PCB-207	6.40								
PCB-208	18.7								
PCB-209	70.3								
Total monoCB	64.5								
Total diCB	44.5								
Total triCB	41.9		45.8						
Total tetraCB	165		166						
Total pentaCB	920		921						
Total hexaCB	1260								
Total heptaCB	594		595						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-01 Date Received: 04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.2 g	QC Batch:	B5F0040 Date Extracted: 10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:55	% Solids:	91.1	Date Analyzed :	12-Jun-15 23:19 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	91.6	5 -145		13C-PCB-170	98.6	10 -145	
13C-PCB-3	86.3	5 -145		13C-PCB-180	98.8	10 -145	
13C-PCB-4	76.7	5 -145		13C-PCB-188	99.2	10 -145	
13C-PCB-11	95.2	5 -145		13C-PCB-189	94.1	10 -145	
13C-PCB-9	79.9	5 -145		13C-PCB-194	96.2	10 -145	
13C-PCB-19	99.8	5 -145		13C-PCB-202	96.1	10 -145	
13C-PCB-28	95.2	5 -145		13C-PCB-206	99.9	10 -145	
13C-PCB-32	107	5 -145		13C-PCB-208	94.3	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	103	10 -145	
13C-PCB-47	96.0	5 -145		CRS 13C-PCB-79	94.1	10 -145	
13C-PCB-52	99.7	5 -145		13C-PCB-178	100	10 -145	
13C-PCB-54	85.8	5 -145					
13C-PCB-70	95.9	5 -145					
13C-PCB-77	97.0	10 -145					
13C-PCB-80	96.1	10 -145					
13C-PCB-81	92.8	10 -145					
13C-PCB-95	98.3	10 -145					
13C-PCB-97	104	10 -145					
13C-PCB-101	99.1	10 -145					
13C-PCB-104	99.1	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	95.2	10 -145					
13C-PCB-118	100	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	99.7	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	102	10 -145					
13C-PCB-153	97.9	10 -145					
13C-PCB-155	87.1	10 -145					
13C-PCB-156	97.7	10 -145					
13C-PCB-157	97.0	10 -145					
13C-PCB-159	98.2	10 -145					
13C-PCB-167	96.0	10 -145					
13C-PCB-169	94.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.2 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	Date Analyzed :	13-Jun-15 00:23	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.99			J	PCB-44	4.73			
PCB-2	4.78				PCB-45	ND	0.764		
PCB-3	4.83				PCB-46	ND	0.838		
PCB-4/10	ND	3.74			PCB-47	3.48			
PCB-5/8	ND	2.91			PCB-48/75	ND		0.425	
PCB-6	ND	2.99			PCB-50	ND	0.784		
PCB-7/9	ND	2.95			PCB-51	ND	0.685		
PCB-11	8.63				PCB-52/69	6.49			
PCB-12/13	ND	2.28			PCB-53	ND	0.699		
PCB-14	ND	1.97			PCB-54	ND	0.595		
PCB-15	5.53				PCB-55	ND	0.461		
PCB-16/32	ND	0.416			PCB-56/60	8.81			
PCB-17	ND	0.456			PCB-57	ND	0.513		
PCB-18	ND	0.492			PCB-58	ND	0.506		
PCB-19	ND	0.567			PCB-61/70	21.0			
PCB-20/21/33	ND		1.91		PCB-62	ND	0.588		
PCB-22	1.80			J	PCB-63	ND	0.494		
PCB-23	ND	0.564			PCB-65	ND	0.607		
PCB-24/27	ND	0.336			PCB-66/76	12.6			
PCB-25	ND	0.622			PCB-67	ND	0.527		
PCB-26	ND	0.551			PCB-68	0.688			J
PCB-28	5.65				PCB-73	ND	0.563		
PCB-29	ND	0.564			PCB-74	3.93			
PCB-30	ND	0.359			PCB-77	7.78			
PCB-31	3.89				PCB-78	ND	0.482		
PCB-34	ND	0.525			PCB-79	1.68			J
PCB-35	ND	0.549			PCB-80	ND	0.429		
PCB-36	ND	0.531			PCB-81	ND	0.440		
PCB-37	6.21				PCB-82	6.52			
PCB-38	ND	0.555			PCB-83	ND	0.768		
PCB-39	ND	0.547			PCB-84/92	21.0			
PCB-40	0.607			J	PCB-85/116	23.5			
PCB-41/64/71/72	3.83			J	PCB-86	ND	1.24		
PCB-42/59	1.33			J	PCB-87/117/125	27.1			
PCB-43/49	8.44				PCB-88/91	7.69			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	QC Batch:	B5F0040
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	Date Received:	04-Jun-2015 10:28
				Date Analyzed:	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.12			PCB-136	7.71			
PCB-90/101	83.9				PCB-137	11.6			
PCB-93	ND	1.19			PCB-138/163/164	229			
PCB-94	ND	1.12			PCB-139/149	121			
PCB-95/98/102	14.8				PCB-140	ND		0.449	
PCB-96	ND	0.788			PCB-141	26.6			
PCB-97	13.8				PCB-144	4.43			
PCB-99	55.9				PCB-145	ND	0.782		
PCB-100	ND	0.894			PCB-146/165	32.3			
PCB-103	ND	0.890			PCB-147	4.81			
PCB-104	ND	0.682			PCB-148	ND	1.05		
PCB-105	43.6				PCB-150	ND	0.758		
PCB-106/118	91.0				PCB-151	27.0			
PCB-107/109	11.3				PCB-152	ND	0.731		
PCB-108/112	2.66			J	PCB-153	195			
PCB-110	101				PCB-154	2.00			J
PCB-111/115	0.874			J	PCB-155	ND	0.713		
PCB-113	0.391			J	PCB-156	22.2			
PCB-114	1.07			J	PCB-157	7.71			
PCB-119	1.32			J	PCB-158/160	18.7			
PCB-120	0.910			J	PCB-159	ND	0.583		
PCB-121	ND	0.717			PCB-166	0.738			J
PCB-122	1.69			J	PCB-167	12.9			
PCB-123	3.95				PCB-168	ND	0.586		
PCB-124	7.51				PCB-169	ND	0.591		
PCB-126	2.21			J	PCB-170	47.8			
PCB-127	ND	1.67			PCB-171	11.7			
PCB-128/162	44.0				PCB-172	9.61			
PCB-129	8.35				PCB-173	1.57			J
PCB-130	20.1				PCB-174	49.0			
PCB-131	ND	0.941			PCB-175	1.77			J
PCB-132/161	34.7				PCB-176	4.06			
PCB-133/142	5.34				PCB-177	30.8			
PCB-134/143	4.23			J	PCB-178	12.6			
PCB-135	20.3				PCB-179	17.2			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	105				Total octaCB	158			
PCB-181	0.680			J	Total nonaCB	47.8		51.5	
PCB-182/187	71.4				DecaCB	37.0			
PCB-183	23.7				Total PCB	2160			
PCB-184	ND	0.407							
PCB-185	ND		4.80						
PCB-186	ND	0.374							
PCB-188	ND	0.358							
PCB-189	2.32			J					
PCB-190	10.8								
PCB-191	1.74			J					
PCB-192	ND	0.388							
PCB-193	6.52								
PCB-194	29.5			B					
PCB-195	10.8								
PCB-196/203	41.4								
PCB-197	1.12			J					
PCB-198	2.66								
PCB-199	49.7								
PCB-200	4.85								
PCB-201	4.57								
PCB-202	12.1								
PCB-204	ND	0.600							
PCB-205	1.70			J					
PCB-206	35.7								
PCB-207	ND		3.66						
PCB-208	12.1								
PCB-209	37.0								
Total monoCB	11.6								
Total diCB	14.2								
Total triCB	17.5		19.5						
Total tetraCB	85.4		85.9						
Total pentaCB	524								
Total hexaCB	861								
Total heptaCB	408		413						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-02
Project:	Stiller Pond	Sample Size:	11.2 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:00	% Solids:	90.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 00:23
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.4	5 -145		13C-PCB-170	101	10 -145	
13C-PCB-3	84.7	5 -145		13C-PCB-180	97.9	10 -145	
13C-PCB-4	67.5	5 -145		13C-PCB-188	92.5	10 -145	
13C-PCB-11	95.2	5 -145		13C-PCB-189	100	10 -145	
13C-PCB-9	73.2	5 -145		13C-PCB-194	94.9	10 -145	
13C-PCB-19	96.2	5 -145		13C-PCB-202	93.9	10 -145	
13C-PCB-28	97.1	5 -145		13C-PCB-206	97.8	10 -145	
13C-PCB-32	104	5 -145		13C-PCB-208	88.3	10 -145	
13C-PCB-37	105	5 -145		13C-PCB-209	102	10 -145	
13C-PCB-47	93.3	5 -145		CRS 13C-PCB-79	95.7	10 -145	
13C-PCB-52	98.3	5 -145		13C-PCB-178	96.8	10 -145	
13C-PCB-54	78.5	5 -145					
13C-PCB-70	94.4	5 -145					
13C-PCB-77	97.8	10 -145					
13C-PCB-80	93.6	10 -145					
13C-PCB-81	94.4	10 -145					
13C-PCB-95	94.6	10 -145					
13C-PCB-97	101	10 -145					
13C-PCB-101	97.0	10 -145					
13C-PCB-104	98.3	10 -145					
13C-PCB-105	95.9	10 -145					
13C-PCB-114	90.2	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	106	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	99.5	10 -145					
13C-PCB-138	95.1	10 -145					
13C-PCB-141	93.5	10 -145					
13C-PCB-153	89.4	10 -145					
13C-PCB-155	86.1	10 -145					
13C-PCB-156	98.8	10 -145					
13C-PCB-157	96.4	10 -145					
13C-PCB-159	96.0	10 -145					
13C-PCB-167	98.2	10 -145					
13C-PCB-169	99.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	10.8 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	Date Analyzed :	13-Jun-15 01:28	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.98			PCB-44	5.50			
PCB-2	ND	1.92			PCB-45	ND	0.663		
PCB-3	ND	1.92			PCB-46	ND	0.727		
PCB-4/10	ND	4.05			PCB-47	3.47			
PCB-5/8	ND	3.11			PCB-48/75	ND		0.664	
PCB-6	ND	3.20			PCB-50	ND	0.753		
PCB-7/9	ND	3.16			PCB-51	ND	0.594		
PCB-11	4.58				PCB-52/69	9.29			
PCB-12/13	ND	2.63			PCB-53	ND	0.607		
PCB-14	ND	2.27			PCB-54	ND	0.572		
PCB-15	2.95				PCB-55	ND	0.391		
PCB-16/32	ND	0.400			PCB-56/60	7.09			
PCB-17	ND	0.438			PCB-57	ND	0.436		
PCB-18	1.55			J	PCB-58	ND	0.429		
PCB-19	ND	0.567			PCB-61/70	18.2			
PCB-20/21/33	ND		1.52		PCB-62	ND	0.487		
PCB-22	ND		1.42		PCB-63	ND	0.420		
PCB-23	ND	0.496			PCB-65	ND	0.502		
PCB-24/27	ND	0.323			PCB-66/76	7.67			
PCB-25	ND	0.547			PCB-67	ND	0.447		
PCB-26	ND	0.485			PCB-68	0.385			J
PCB-28	ND		3.10		PCB-73	ND	0.489		
PCB-29	ND	0.496			PCB-74	2.48			
PCB-30	ND	0.359			PCB-77	2.93			
PCB-31	3.51				PCB-78	ND	0.413		
PCB-34	ND	0.461			PCB-79	0.923			J
PCB-35	ND	0.500			PCB-80	ND	0.363		
PCB-36	ND	0.483			PCB-81	ND	0.377		
PCB-37	3.38				PCB-82	5.16			
PCB-38	ND	0.505			PCB-83	ND	0.728		
PCB-39	ND	0.498			PCB-84/92	17.3			
PCB-40	0.939			J	PCB-85/116	15.8			
PCB-41/64/71/72	4.27			J	PCB-86	ND	1.17		
PCB-42/59	1.58			J	PCB-87/117/125	19.7			
PCB-43/49	9.66				PCB-88/91	6.12			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03
Project:	Stiller Pond	Sample Size:	10.8 g	QC Batch:	B5F0040
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	Date Received:	04-Jun-2015 10:28
				Date Analyzed:	13-Jun-15 01:28
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.04			PCB-136	5.56			
PCB-90/101	65.7				PCB-137	5.79			
PCB-93	ND	1.05			PCB-138/163/164	119			
PCB-94	ND	0.983			PCB-139/149	65.9			
PCB-95/98/102	22.4				PCB-140	0.665			J
PCB-96	ND	0.760			PCB-141	15.6			
PCB-97	12.6				PCB-144	ND		1.80	
PCB-99	37.0				PCB-145	ND	0.895		
PCB-100	ND	0.861			PCB-146/165	15.2			
PCB-103	ND	0.857			PCB-147	2.86			
PCB-104	ND	0.657			PCB-148	ND	1.20		
PCB-105	28.7				PCB-150	ND	0.867		
PCB-106/118	68.3				PCB-151	17.3			
PCB-107/109	6.68				PCB-152	ND	0.837		
PCB-108/112	2.13			J	PCB-153	104			
PCB-110	71.6				PCB-154	1.19			J
PCB-111/115	0.792			J	PCB-155	ND	0.817		
PCB-113	ND	0.772			PCB-156	11.3			
PCB-114	0.791			J	PCB-157	4.15			
PCB-119	1.10			J	PCB-158/160	9.94			
PCB-120	ND	0.609			PCB-159	ND	0.471		
PCB-121	ND	0.631			PCB-166	0.518			J
PCB-122	0.947			J	PCB-167	6.03			
PCB-123	2.51				PCB-168	ND	0.473		
PCB-124	5.02				PCB-169	ND	0.476		
PCB-126	0.700			J	PCB-170	21.3			
PCB-127	ND	1.35			PCB-171	4.98			
PCB-128/162	22.9				PCB-172	4.72			
PCB-129	3.81				PCB-173	ND	0.546		
PCB-130	10.2				PCB-174	22.7			
PCB-131	ND	0.759			PCB-175	ND		0.774	
PCB-132/161	15.6				PCB-176	1.83			J
PCB-133/142	3.00			J	PCB-177	15.6			
PCB-134/143	3.48			J	PCB-178	7.33			
PCB-135	12.1				PCB-179	11.0			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03
Project:	Stiller Pond	Sample Size:	10.8 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 01:28
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	45.8				Total octaCB	85.2		86.0	
PCB-181	ND	0.444			Total nonaCB	37.1			
PCB-182/187	37.5				DecaCB	39.4			
PCB-183	10.6				Total PCB	1300			
PCB-184	ND	0.393							
PCB-185	2.76								
PCB-186	ND	0.361							
PCB-188	ND	0.346							
PCB-189	1.09			J					
PCB-190	5.09								
PCB-191	0.810			J					
PCB-192	ND	0.347							
PCB-193	3.29								
PCB-194	15.0			B					
PCB-195	5.39								
PCB-196/203	22.8								
PCB-197	0.626			J					
PCB-198	ND		0.764						
PCB-199	27.9								
PCB-200	2.66								
PCB-201	2.68								
PCB-202	7.29								
PCB-204	ND	0.597							
PCB-205	0.844			J					
PCB-206	24.9								
PCB-207	3.16								
PCB-208	9.08								
PCB-209	39.4								
Total monoCB	ND	1.98							
Total diCB	7.53								
Total triCB	8.45		14.5						
Total tetraCB	74.4		75.1						
Total pentaCB	391								
Total hexaCB	456		458						
Total heptaCB	196		197						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-03
Project:	Stiller Pond	Sample Size:	10.8 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:10	% Solids:	94.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 01:28
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	61.7	5 -145		13C-PCB-170	95.6	10 -145	
13C-PCB-3	68.1	5 -145		13C-PCB-180	95.5	10 -145	
13C-PCB-4	57.2	5 -145		13C-PCB-188	86.5	10 -145	
13C-PCB-11	78.1	5 -145		13C-PCB-189	98.4	10 -145	
13C-PCB-9	63.1	5 -145		13C-PCB-194	95.1	10 -145	
13C-PCB-19	82.9	5 -145		13C-PCB-202	87.8	10 -145	
13C-PCB-28	87.6	5 -145		13C-PCB-206	95.4	10 -145	
13C-PCB-32	93.0	5 -145		13C-PCB-208	83.5	10 -145	
13C-PCB-37	95.4	5 -145		13C-PCB-209	96.1	10 -145	
13C-PCB-47	86.2	5 -145		CRS 13C-PCB-79	93.6	10 -145	
13C-PCB-52	89.0	5 -145		13C-PCB-178	94.8	10 -145	
13C-PCB-54	70.9	5 -145					
13C-PCB-70	91.8	5 -145					
13C-PCB-77	93.4	10 -145					
13C-PCB-80	91.4	10 -145					
13C-PCB-81	92.3	10 -145					
13C-PCB-95	92.0	10 -145					
13C-PCB-97	96.6	10 -145					
13C-PCB-101	92.7	10 -145					
13C-PCB-104	87.4	10 -145					
13C-PCB-105	92.7	10 -145					
13C-PCB-114	87.7	10 -145					
13C-PCB-118	99.0	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	103	10 -145					
13C-PCB-127	94.1	10 -145					
13C-PCB-138	90.2	10 -145					
13C-PCB-141	88.2	10 -145					
13C-PCB-153	88.3	10 -145					
13C-PCB-155	82.7	10 -145					
13C-PCB-156	96.2	10 -145					
13C-PCB-157	94.9	10 -145					
13C-PCB-159	90.9	10 -145					
13C-PCB-167	94.4	10 -145					
13C-PCB-169	96.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	Date Analyzed :	13-Jun-15 02:32	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	2.44				PCB-44	5.21			
PCB-2	0.803			J	PCB-45	ND	0.684		
PCB-3	1.30			J	PCB-46	ND	0.750		
PCB-4/10	5.77				PCB-47	3.23			
PCB-5/8	5.10				PCB-48/75	ND		0.560	
PCB-6	ND	2.97			PCB-50	ND	0.720		
PCB-7/9	ND	2.93			PCB-51	ND	0.613		
PCB-11	5.51				PCB-52/69	10.5			
PCB-12/13	ND	2.55			PCB-53	ND	0.626		
PCB-14	ND	2.19			PCB-54	ND	0.547		
PCB-15	3.41				PCB-55	ND	0.413		
PCB-16/32	1.45			J	PCB-56/60	7.18			
PCB-17	ND	0.311			PCB-57	ND	0.473		
PCB-18	1.75			J	PCB-58	ND	0.466		
PCB-19	ND	0.367			PCB-61/70	16.6			
PCB-20/21/33	2.59			J	PCB-62	ND	0.489		
PCB-22	1.69			J	PCB-63	ND	0.455		
PCB-23	ND	0.516			PCB-65	ND	0.504		
PCB-24/27	ND	0.229			PCB-66/76	9.69			
PCB-25	ND	0.569			PCB-67	ND	0.485		
PCB-26	ND	0.504			PCB-68	0.539			J
PCB-28	4.99				PCB-73	ND	0.504		
PCB-29	ND	0.516			PCB-74	3.12			
PCB-30	ND	0.232			PCB-77	3.71			
PCB-31	4.16				PCB-78	ND	0.448		
PCB-34	ND	0.480			PCB-79	0.960			J
PCB-35	ND	0.492			PCB-80	ND	0.383		
PCB-36	ND	0.476			PCB-81	ND	0.409		
PCB-37	4.23				PCB-82	5.31			
PCB-38	ND	0.498			PCB-83	ND	0.907		
PCB-39	ND	0.490			PCB-84/92	18.2			
PCB-40	0.704			J	PCB-85/116	18.0			
PCB-41/64/71/72	4.46			J	PCB-86	ND	1.46		
PCB-42/59	1.76			J	PCB-87/117/125	21.4			
PCB-43/49	9.58				PCB-88/91	6.13			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	Date Analyzed :	13-Jun-15 02:32	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.32			PCB-136	5.66			
PCB-90/101	73.6				PCB-137	7.36			
PCB-93	ND	1.39			PCB-138/163/164	142			
PCB-94	ND	1.31			PCB-139/149	77.2			
PCB-95/98/102	22.3				PCB-140	0.729			J
PCB-96	ND	1.03			PCB-141	17.6			
PCB-97	13.7				PCB-144	2.98			
PCB-99	41.4				PCB-145	ND	0.934		
PCB-100	ND	1.17			PCB-146/165	17.3			
PCB-103	ND	1.16			PCB-147	3.48			
PCB-104	ND	0.890			PCB-148	ND	1.25		
PCB-105	34.2				PCB-150	ND	0.905		
PCB-106/118	75.3				PCB-151	18.3			
PCB-107/109	7.52				PCB-152	ND	0.874		
PCB-108/112	2.23			J	PCB-153	122			
PCB-110	75.5				PCB-154	1.10			J
PCB-111/115	0.698			J	PCB-155	ND	0.852		
PCB-113	ND	0.979			PCB-156	12.8			
PCB-114	0.877			J	PCB-157	4.51			
PCB-119	1.27			J	PCB-158/160	11.0			
PCB-120	0.548			J	PCB-159	ND	0.449		
PCB-121	ND	0.839			PCB-166	0.443			J
PCB-122	0.966			J	PCB-167	7.68			
PCB-123	2.88				PCB-168	ND	0.444		
PCB-124	5.96				PCB-169	ND	0.467		
PCB-126	1.34			J	PCB-170	24.8			
PCB-127	ND	1.64			PCB-171	5.92			
PCB-128/162	26.4				PCB-172	4.84			
PCB-129	4.82				PCB-173	ND	0.542		
PCB-130	11.4				PCB-174	28.0			
PCB-131	ND	0.713			PCB-175	ND		0.999	
PCB-132/161	18.7				PCB-176	2.14			J
PCB-133/142	3.16			J	PCB-177	19.4			
PCB-134/143	4.13			J	PCB-178	8.28			
PCB-135	15.3				PCB-179	11.4			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 02:32
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	55.3				Total octaCB	89.7		96.0	
PCB-181	ND	0.443			Total nonaCB	40.1			
PCB-182/187	43.5				DecaCB	36.3			
PCB-183	11.4				Total PCB	1480			
PCB-184	ND	0.368							
PCB-185	3.34								
PCB-186	ND	0.338							
PCB-188	ND	0.323							
PCB-189	1.36			J					
PCB-190	6.29								
PCB-191	0.983			J					
PCB-192	ND	0.344							
PCB-193	3.70								
PCB-194	16.7			B					
PCB-195	ND		6.26						
PCB-196/203	25.5								
PCB-197	0.563			J					
PCB-198	0.931			J					
PCB-199	30.4								
PCB-200	3.11								
PCB-201	3.32								
PCB-202	7.96								
PCB-204	ND	0.559							
PCB-205	1.27			J					
PCB-206	26.8								
PCB-207	3.10								
PCB-208	10.2								
PCB-209	36.3								
Total monoCB	4.55								
Total diCB	19.8								
Total triCB	20.9								
Total tetraCB	77.3		77.8						
Total pentaCB	429								
Total hexaCB	536								
Total heptaCB	231		232						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-04
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:15	% Solids:	91.7	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 02:32
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	89.6	5 -145		13C-PCB-170	99.0	10 -145	
13C-PCB-3	90.1	5 -145		13C-PCB-180	98.6	10 -145	
13C-PCB-4	69.9	5 -145		13C-PCB-188	90.9	10 -145	
13C-PCB-11	89.9	5 -145		13C-PCB-189	98.5	10 -145	
13C-PCB-9	74.8	5 -145		13C-PCB-194	91.7	10 -145	
13C-PCB-19	97.9	5 -145		13C-PCB-202	93.6	10 -145	
13C-PCB-28	94.3	5 -145		13C-PCB-206	94.6	10 -145	
13C-PCB-32	102	5 -145		13C-PCB-208	82.6	10 -145	
13C-PCB-37	107	5 -145		13C-PCB-209	94.2	10 -145	
13C-PCB-47	89.9	5 -145		CRS 13C-PCB-79	95.7	10 -145	
13C-PCB-52	92.5	5 -145		13C-PCB-178	101	10 -145	
13C-PCB-54	76.0	5 -145					
13C-PCB-70	92.5	5 -145					
13C-PCB-77	94.6	10 -145					
13C-PCB-80	92.9	10 -145					
13C-PCB-81	93.9	10 -145					
13C-PCB-95	92.5	10 -145					
13C-PCB-97	96.5	10 -145					
13C-PCB-101	93.6	10 -145					
13C-PCB-104	90.1	10 -145					
13C-PCB-105	97.0	10 -145					
13C-PCB-114	95.9	10 -145					
13C-PCB-118	98.4	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	103	10 -145					
13C-PCB-127	98.3	10 -145					
13C-PCB-138	94.5	10 -145					
13C-PCB-141	91.8	10 -145					
13C-PCB-153	93.3	10 -145					
13C-PCB-155	82.8	10 -145					
13C-PCB-156	99.2	10 -145					
13C-PCB-157	96.6	10 -145					
13C-PCB-159	95.2	10 -145					
13C-PCB-167	97.4	10 -145					
13C-PCB-169	98.6	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	Date Analyzed :	13-Jun-15 03:36	Column:	ZB-1
				Analyst:	DMS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.64			PCB-44	4.28			
PCB-2	ND		0.534		PCB-45	ND	0.624		
PCB-3	0.951			J	PCB-46	ND	0.684		
PCB-4/10	ND	3.60			PCB-47	2.97			
PCB-5/8	ND	2.75			PCB-48/75	ND		0.635	
PCB-6	ND	2.82			PCB-50	ND	0.659		
PCB-7/9	ND	2.79			PCB-51	ND	0.559		
PCB-11	3.46				PCB-52/69	8.72			
PCB-12/13	ND	2.54			PCB-53	ND	0.571		
PCB-14	ND	2.19			PCB-54	ND	0.501		
PCB-15	4.34				PCB-55	ND	0.352		
PCB-16/32	ND	0.354			PCB-56/60	8.83			
PCB-17	ND	0.387			PCB-57	ND	0.397		
PCB-18	ND	0.418			PCB-58	0.196			J
PCB-19	ND	0.472			PCB-61/70	30.7			
PCB-20/21/33	ND		1.51		PCB-62	ND	0.444		
PCB-22	1.27			J	PCB-63	ND		0.784	
PCB-23	ND	0.533			PCB-65	ND	0.458		
PCB-24/27	ND	0.285			PCB-66/76	11.2			
PCB-25	ND	0.588			PCB-67	ND		0.243	
PCB-26	ND	0.522			PCB-68	1.07			J
PCB-28	5.24				PCB-73	ND	0.460		
PCB-29	ND	0.534			PCB-74	3.97			
PCB-30	ND	0.298			PCB-77	4.62			
PCB-31	3.83				PCB-78	ND	0.384		
PCB-34	ND	0.496			PCB-79	1.54			J
PCB-35	ND	0.506			PCB-80	ND	0.327		
PCB-36	ND	0.489			PCB-81	ND	0.350		
PCB-37	5.02				PCB-82	4.79			
PCB-38	ND	0.511			PCB-83	ND	0.650		
PCB-39	ND	0.504			PCB-84/92	22.3			
PCB-40	ND	0.704			PCB-85/116	33.7			
PCB-41/64/71/72	6.59			J	PCB-86	ND	1.04		
PCB-42/59	1.13			J	PCB-87/117/125	26.9			
PCB-43/49	11.6				PCB-88/91	5.94			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	Date Analyzed :	13-Jun-15 03:36	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.938			PCB-136	6.21			
PCB-90/101	106				PCB-137	10.5			
PCB-93	ND	0.981			PCB-138/163/164	242			
PCB-94	ND	0.922			PCB-139/149	102			
PCB-95/98/102	16.4				PCB-140	ND		0.688	
PCB-96	ND	0.684			PCB-141	25.9			
PCB-97	14.1				PCB-144	4.03			
PCB-99	69.0				PCB-145	ND	0.696		
PCB-100	ND	0.776			PCB-146/165	33.9			
PCB-103	ND	0.772			PCB-147	ND		5.28	
PCB-104	ND	0.592			PCB-148	ND	0.931		
PCB-105	55.7				PCB-150	ND	0.675		
PCB-106/118	139				PCB-151	31.7			
PCB-107/109	18.4				PCB-152	ND	0.651		
PCB-108/112	1.40			J	PCB-153	192			
PCB-110	145				PCB-154	1.83			J
PCB-111/115	2.02			J	PCB-155	ND	0.635		
PCB-113	ND	0.697			PCB-156	26.8			
PCB-114	2.51				PCB-157	7.12			
PCB-119	2.91				PCB-158/160	22.0			
PCB-120	1.06			J	PCB-159	ND	0.586		
PCB-121	ND	0.592			PCB-166	ND		1.04	
PCB-122	2.21			J	PCB-167	12.7			
PCB-123	4.98				PCB-168	ND	0.633		
PCB-124	8.51				PCB-169	ND	0.609		
PCB-126	1.89			J	PCB-170	41.9			
PCB-127	ND	0.803			PCB-171	10.4			
PCB-128/162	43.4				PCB-172	8.67			
PCB-129	5.78				PCB-173	1.37			J
PCB-130	19.7				PCB-174	38.4			
PCB-131	ND	1.02			PCB-175	1.52			J
PCB-132/161	23.6				PCB-176	3.13			
PCB-133/142	5.05				PCB-177	28.7			
PCB-134/143	3.12			J	PCB-178	10.9			
PCB-135	15.7				PCB-179	16.6			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 03:36
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	88.1				Total octaCB	171			
PCB-181	0.596			J	Total nonaCB	38.3			
PCB-182/187	62.5				DecaCB	26.2			
PCB-183	19.8				Total PCB	2230			
PCB-184	ND	0.480							
PCB-185	4.54								
PCB-186	ND	0.440							
PCB-188	ND	0.422							
PCB-189	2.29			J					
PCB-190	10.0								
PCB-191	1.64			J					
PCB-192	ND	0.466							
PCB-193	5.26								
PCB-194	23.4			B					
PCB-195	10.1								
PCB-196/203	36.0								
PCB-197	0.805			J					
PCB-198	40.0								
PCB-199	40.7								
PCB-200	4.52								
PCB-201	3.78								
PCB-202	9.85								
PCB-204	ND	0.781							
PCB-205	1.53			J					
PCB-206	26.4								
PCB-207	3.05								
PCB-208	8.85								
PCB-209	26.2								
Total monoCB	0.951		1.48						
Total diCB	7.81								
Total triCB	15.4		16.9						
Total tetraCB	97.3		99.0						
Total pentaCB	685								
Total hexaCB	835		842						
Total heptaCB	356								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-05
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:20	% Solids:	90.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 03:36
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	81.8	5 -145		13C-PCB-170	97.4	10 -145	
13C-PCB-3	81.9	5 -145		13C-PCB-180	94.5	10 -145	
13C-PCB-4	65.2	5 -145		13C-PCB-188	87.9	10 -145	
13C-PCB-11	84.0	5 -145		13C-PCB-189	97.6	10 -145	
13C-PCB-9	72.4	5 -145		13C-PCB-194	92.3	10 -145	
13C-PCB-19	88.4	5 -145		13C-PCB-202	88.0	10 -145	
13C-PCB-28	77.5	5 -145		13C-PCB-206	101	10 -145	
13C-PCB-32	95.3	5 -145		13C-PCB-208	88.4	10 -145	
13C-PCB-37	91.4	5 -145		13C-PCB-209	103	10 -145	
13C-PCB-47	85.1	5 -145		CRS 13C-PCB-79	89.9	10 -145	
13C-PCB-52	86.3	5 -145		13C-PCB-178	93.5	10 -145	
13C-PCB-54	71.7	5 -145					
13C-PCB-70	89.7	5 -145					
13C-PCB-77	92.2	10 -145					
13C-PCB-80	89.6	10 -145					
13C-PCB-81	89.3	10 -145					
13C-PCB-95	92.3	10 -145					
13C-PCB-97	94.6	10 -145					
13C-PCB-101	95.1	10 -145					
13C-PCB-104	89.0	10 -145					
13C-PCB-105	92.5	10 -145					
13C-PCB-114	86.7	10 -145					
13C-PCB-118	98.0	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	99.4	10 -145					
13C-PCB-127	95.0	10 -145					
13C-PCB-138	92.3	10 -145					
13C-PCB-141	93.1	10 -145					
13C-PCB-153	88.1	10 -145					
13C-PCB-155	80.3	10 -145					
13C-PCB-156	96.0	10 -145					
13C-PCB-157	93.3	10 -145					
13C-PCB-159	94.3	10 -145					
13C-PCB-167	94.0	10 -145					
13C-PCB-169	98.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1500497-06	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond		Sample Size:	11.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 12:25		% Solids:	85.5	Date Analyzed :	13-Jun-15 08:06	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.24			PCB-44	2.07			J
PCB-2	ND	1.17			PCB-45	ND	0.964		
PCB-3	0.844			J	PCB-46	ND	1.06		
PCB-4/10	ND	3.48			PCB-47	1.15			J
PCB-5/8	ND	2.53			PCB-48/75	ND		0.372	
PCB-6	ND	2.59			PCB-50	ND	1.14		
PCB-7/9	ND	2.56			PCB-51	ND	0.864		
PCB-11	ND	2.26			PCB-52/69	3.87			J
PCB-12/13	ND	2.29			PCB-53	ND	0.882		
PCB-14	ND	1.98			PCB-54	ND	0.866		
PCB-15	ND	2.02			PCB-55	ND	0.600		
PCB-16/32	ND	0.376			PCB-56/60	1.87			J
PCB-17	ND	0.412			PCB-57	ND	0.666		
PCB-18	ND		0.948		PCB-58	ND	0.656		
PCB-19	ND	0.506			PCB-61/70	6.81			
PCB-20/21/33	1.24			J	PCB-62	ND	0.731		
PCB-22	ND		0.730		PCB-63	ND	0.641		
PCB-23	ND	0.547			PCB-65	ND	0.754		
PCB-24/27	ND	0.303			PCB-66/76	2.56			J
PCB-25	ND	0.603			PCB-67	ND	0.683		
PCB-26	ND	0.535			PCB-68	ND	0.617		
PCB-28	2.30			J	PCB-73	ND	0.711		
PCB-29	ND	0.547			PCB-74	1.20			J
PCB-30	ND	0.320			PCB-77	0.643			J
PCB-31	2.07			J	PCB-78	ND	0.639		
PCB-34	ND	0.509			PCB-79	ND	0.637		
PCB-35	ND	0.527			PCB-80	ND	0.558		
PCB-36	ND	0.509			PCB-81	ND	0.583		
PCB-37	1.18			J	PCB-82	1.44			J
PCB-38	ND	0.533			PCB-83	ND	1.05		
PCB-39	ND	0.525			PCB-84/92	5.92			
PCB-40	ND	1.16			PCB-85/116	7.99			
PCB-41/64/71/72	2.73			J	PCB-86	ND	1.68		
PCB-42/59	0.582			J	PCB-87/117/125	6.54			J
PCB-43/49	3.80			J	PCB-88/91	2.00			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	Date Analyzed :	13-Jun-15 08:06	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.53			PCB-136	1.71			J
PCB-90/101	23.8				PCB-137	2.78			
PCB-93	ND	1.61			PCB-138/163/164	51.9			
PCB-94	ND	1.52			PCB-139/149	23.4			
PCB-95/98/102	5.32			J	PCB-140	ND	1.20		
PCB-96	ND	1.15			PCB-141	6.13			
PCB-97	2.96				PCB-144	0.942			J
PCB-99	17.7				PCB-145	ND	0.853		
PCB-100	ND	1.31			PCB-146/165	7.52			
PCB-103	ND	1.30			PCB-147	1.71			J
PCB-104	ND	0.995			PCB-148	ND	1.14		
PCB-105	9.06				PCB-150	ND	0.827		
PCB-106/118	23.2				PCB-151	7.75			
PCB-107/109	3.44			J	PCB-152	ND	0.798		
PCB-108/112	ND	1.24			PCB-153	44.5			
PCB-110	30.3				PCB-154	ND	1.05		
PCB-111/115	0.683			J	PCB-155	ND	0.778		
PCB-113	ND	1.14			PCB-156	5.14			
PCB-114	0.428			J	PCB-157	ND		1.05	
PCB-119	0.908			J	PCB-158/160	4.78			J
PCB-120	ND	0.876			PCB-159	ND	0.467		
PCB-121	ND	0.972			PCB-166	ND	0.500		
PCB-122	ND	0.629			PCB-167	2.25			J
PCB-123	0.744			J	PCB-168	ND	0.455		
PCB-124	ND		1.60		PCB-169	ND	0.457		
PCB-126	ND	0.545			PCB-170	8.61			
PCB-127	ND	0.532			PCB-171	2.77			
PCB-128/162	9.44				PCB-172	1.89			J
PCB-129	1.30			J	PCB-173	ND	0.528		
PCB-130	3.87				PCB-174	8.11			
PCB-131	ND	0.730			PCB-175	0.476			J
PCB-132/161	4.96			J	PCB-176	ND		0.716	
PCB-133/142	1.23			J	PCB-177	6.36			
PCB-134/143	ND		0.922		PCB-178	2.90			
PCB-135	3.81				PCB-179	3.98			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06
Project:	Stiller Pond	Sample Size:	11.6 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 08:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	18.4				Total octaCB	17.4		24.7	
PCB-181	ND	0.432			Total nonaCB	9.26			
PCB-182/187	15.7				DecaCB	5.70			
PCB-183	4.76				Total PCB	474			
PCB-184	ND	0.359							
PCB-185	1.14			J					
PCB-186	ND	0.330							
PCB-188	ND	0.316							
PCB-189	0.584			J					
PCB-190	1.79			J					
PCB-191	0.274			J					
PCB-192	ND	0.335							
PCB-193	1.28			J					
PCB-194	4.83			B					
PCB-195	2.23			J					
PCB-196/203	7.28								
PCB-197	ND	0.405							
PCB-198	ND	0.626							
PCB-199	ND		6.80						
PCB-200	0.887			J					
PCB-201	ND		0.480						
PCB-202	2.16			J					
PCB-204	ND	0.440							
PCB-205	ND	0.300							
PCB-206	6.12								
PCB-207	0.664			J					
PCB-208	2.47			J					
PCB-209	5.70								
Total monoCB	0.844								
Total diCB	ND	3.48							
Total triCB	6.77		8.45						
Total tetraCB	27.3		27.6						
Total pentaCB	142		144						
Total hexaCB	185		187						
Total heptaCB	79.0		79.7						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-06
Project:	Stiller Pond	Sample Size:	11.6 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:25	% Solids:	85.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 08:06
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	65.2	5 -145		13C-PCB-170	95.4	10 -145	
13C-PCB-3	74.5	5 -145		13C-PCB-180	95.5	10 -145	
13C-PCB-4	57.6	5 -145		13C-PCB-188	86.8	10 -145	
13C-PCB-11	74.8	5 -145		13C-PCB-189	98.1	10 -145	
13C-PCB-9	64.5	5 -145		13C-PCB-194	93.5	10 -145	
13C-PCB-19	83.3	5 -145		13C-PCB-202	93.6	10 -145	
13C-PCB-28	80.2	5 -145		13C-PCB-206	95.2	10 -145	
13C-PCB-32	90.9	5 -145		13C-PCB-208	87.1	10 -145	
13C-PCB-37	90.8	5 -145		13C-PCB-209	93.0	10 -145	
13C-PCB-47	87.3	5 -145		CRS 13C-PCB-79	92.8	10 -145	
13C-PCB-52	92.4	5 -145		13C-PCB-178	94.3	10 -145	
13C-PCB-54	72.0	5 -145					
13C-PCB-70	89.8	5 -145					
13C-PCB-77	94.4	10 -145					
13C-PCB-80	89.6	10 -145					
13C-PCB-81	91.2	10 -145					
13C-PCB-95	89.7	10 -145					
13C-PCB-97	95.1	10 -145					
13C-PCB-101	91.4	10 -145					
13C-PCB-104	87.9	10 -145					
13C-PCB-105	93.1	10 -145					
13C-PCB-114	87.8	10 -145					
13C-PCB-118	97.6	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	100	10 -145					
13C-PCB-127	95.3	10 -145					
13C-PCB-138	91.4	10 -145					
13C-PCB-141	88.6	10 -145					
13C-PCB-153	88.2	10 -145					
13C-PCB-155	90.1	10 -145					
13C-PCB-156	96.6	10 -145					
13C-PCB-157	95.2	10 -145					
13C-PCB-159	92.2	10 -145					
13C-PCB-167	94.9	10 -145					
13C-PCB-169	97.9	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1500497-07	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond		Sample Size:	11.3 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 12:30		% Solids:	89.8	Date Analyzed :	13-Jun-15 09:10	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	0.706			J	PCB-44	5.26			
PCB-2	1.04			J	PCB-45	ND	0.494		
PCB-3	1.97			J	PCB-46	ND	0.541		
PCB-4/10	ND	4.08			PCB-47	5.93			
PCB-5/8	ND	3.07			PCB-48/75	0.698			J
PCB-6	ND	3.15			PCB-50	ND	0.571		
PCB-7/9	ND	3.11			PCB-51	ND	0.442		
PCB-11	7.95				PCB-52/69	10.0			
PCB-12/13	ND	2.48			PCB-53	ND	0.452		
PCB-14	ND	2.14			PCB-54	ND	0.434		
PCB-15	8.05				PCB-55	ND	0.286		
PCB-16/32	ND	0.407			PCB-56/60	11.3			
PCB-17	ND	0.446			PCB-57	ND	0.323		
PCB-18	1.28			J	PCB-58	ND	0.318		
PCB-19	ND	0.600			PCB-61/70	33.8			
PCB-20/21/33	2.35			J	PCB-62	ND	0.359		
PCB-22	2.00			J	PCB-63	0.912			J
PCB-23	ND	0.355			PCB-65	ND	0.370		
PCB-24/27	ND	0.328			PCB-66/76	17.4			
PCB-25	ND	0.392			PCB-67	ND	0.332		
PCB-26	1.06			J	PCB-68	1.04			J
PCB-28	7.15				PCB-73	ND	0.364		
PCB-29	ND	0.355			PCB-74	5.23			
PCB-30	ND	0.379			PCB-77	7.34			
PCB-31	5.31				PCB-78	ND	0.299		
PCB-34	ND	0.331			PCB-79	1.90			J
PCB-35	ND	0.365			PCB-80	ND	0.266		
PCB-36	ND	0.353			PCB-81	ND	0.273		
PCB-37	6.61				PCB-82	7.73			
PCB-38	ND	0.370			PCB-83	ND	0.630		
PCB-39	ND	0.364			PCB-84/92	31.4			
PCB-40	ND	0.568			PCB-85/116	31.4			
PCB-41/64/71/72	5.30			J	PCB-86	ND	1.01		
PCB-42/59	1.80			J	PCB-87/117/125	38.2			
PCB-43/49	15.7				PCB-88/91	9.27			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.928			PCB-136	8.99			
PCB-90/101	123				PCB-137	11.0			
PCB-93	ND	0.978			PCB-138/163/164	246			
PCB-94	ND	0.919			PCB-139/149	124			
PCB-95/98/102	31.9				PCB-140	ND		0.828	
PCB-96	ND	0.690			PCB-141	31.9			
PCB-97	22.5				PCB-144	5.76			
PCB-99	72.8				PCB-145	ND	0.541		
PCB-100	ND	0.783			PCB-146/165	35.0			
PCB-103	0.627			J	PCB-147	4.97			
PCB-104	ND	0.597			PCB-148	ND	0.723		
PCB-105	56.3				PCB-150	ND	0.524		
PCB-106/118	133				PCB-151	30.9			
PCB-107/109	13.5				PCB-152	ND	0.506		
PCB-108/112	2.83			J	PCB-153	205			
PCB-110	127				PCB-154	ND		1.58	
PCB-111/115	1.11			J	PCB-155	ND	0.493		
PCB-113	ND	0.690			PCB-156	23.1			
PCB-114	1.68			J	PCB-157	7.32			
PCB-119	2.15			J	PCB-158/160	18.5			
PCB-120	1.16			J	PCB-159	ND	0.657		
PCB-121	ND	0.590			PCB-166	ND	0.704		
PCB-122	2.06			J	PCB-167	13.7			
PCB-123	4.53				PCB-168	ND	0.697		
PCB-124	8.43				PCB-169	ND	0.653		
PCB-126	1.86			J	PCB-170	46.9			
PCB-127	ND	1.21			PCB-171	10.7			
PCB-128/162	43.9				PCB-172	9.55			
PCB-129	7.59				PCB-173	1.41			J
PCB-130	22.8				PCB-174	50.8			
PCB-131	ND	1.12			PCB-175	1.74			J
PCB-132/161	33.1				PCB-176	4.23			
PCB-133/142	5.68				PCB-177	32.2			
PCB-134/143	5.95				PCB-178	12.6			
PCB-135	20.6				PCB-179	18.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	105				Total octaCB	158			
PCB-181	ND	0.548			Total nonaCB	51.5			
PCB-182/187	75.3				DecaCB	39.7			
PCB-183	22.9				Total PCB	2470			
PCB-184	ND	0.460							
PCB-185	6.37								
PCB-186	ND	0.423							
PCB-188	ND	0.405							
PCB-189	2.32			J					
PCB-190	9.86								
PCB-191	1.84			J					
PCB-192	ND	0.426							
PCB-193	7.01								
PCB-194	28.9			B					
PCB-195	11.0								
PCB-196/203	42.8								
PCB-197	1.14			J					
PCB-198	1.95			J					
PCB-199	49.5								
PCB-200	5.41								
PCB-201	4.16								
PCB-202	11.9								
PCB-204	ND	0.669							
PCB-205	1.78			J					
PCB-206	34.6								
PCB-207	4.28								
PCB-208	12.6								
PCB-209	39.7								
Total monoCB	3.71								
Total diCB	16.0								
Total triCB	25.8								
Total tetraCB	124								
Total pentaCB	724								
Total hexaCB	906		908						
Total heptaCB	419								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-07
Project:	Stiller Pond	Sample Size:	11.3 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:30	% Solids:	89.8	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 09:10
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	59.2	5 -145		13C-PCB-170	98.6	10 -145	
13C-PCB-3	66.1	5 -145		13C-PCB-180	93.3	10 -145	
13C-PCB-4	54.2	5 -145		13C-PCB-188	85.4	10 -145	
13C-PCB-11	78.5	5 -145		13C-PCB-189	99.4	10 -145	
13C-PCB-9	61.4	5 -145		13C-PCB-194	90.6	10 -145	
13C-PCB-19	79.7	5 -145		13C-PCB-202	91.3	10 -145	
13C-PCB-28	79.0	5 -145		13C-PCB-206	95.5	10 -145	
13C-PCB-32	93.0	5 -145		13C-PCB-208	78.4	10 -145	
13C-PCB-37	85.8	5 -145		13C-PCB-209	99.1	10 -145	
13C-PCB-47	84.1	5 -145		CRS 13C-PCB-79	96.2	10 -145	
13C-PCB-52	87.2	5 -145		13C-PCB-178	92.3	10 -145	
13C-PCB-54	67.8	5 -145					
13C-PCB-70	87.7	5 -145					
13C-PCB-77	90.6	10 -145					
13C-PCB-80	89.4	10 -145					
13C-PCB-81	90.5	10 -145					
13C-PCB-95	84.9	10 -145					
13C-PCB-97	94.0	10 -145					
13C-PCB-101	89.8	10 -145					
13C-PCB-104	84.1	10 -145					
13C-PCB-105	91.9	10 -145					
13C-PCB-114	85.7	10 -145					
13C-PCB-118	95.5	10 -145					
13C-PCB-123	101	10 -145					
13C-PCB-126	98.1	10 -145					
13C-PCB-127	93.0	10 -145					
13C-PCB-138	90.1	10 -145					
13C-PCB-141	88.4	10 -145					
13C-PCB-153	85.1	10 -145					
13C-PCB-155	89.7	10 -145					
13C-PCB-156	95.7	10 -145					
13C-PCB-157	94.8	10 -145					
13C-PCB-159	92.5	10 -145					
13C-PCB-167	92.8	10 -145					
13C-PCB-169	99.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08
Project:	Stiller Pond	Sample Size:	11.5 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 10:14
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.51			J	PCB-44	4.49			
PCB-2	1.24			J	PCB-45	ND	0.700		
PCB-3	2.09			J	PCB-46	ND	0.768		
PCB-4/10	4.65			J	PCB-47	5.03			
PCB-5/8	ND		4.58		PCB-48/75	ND		0.499	
PCB-6	ND	3.47			PCB-50	ND	0.696		
PCB-7/9	ND	3.43			PCB-51	ND	0.627		
PCB-11	7.57				PCB-52/69	8.83			
PCB-12/13	ND	3.10			PCB-53	ND	0.641		
PCB-14	ND	2.67			PCB-54	ND	0.529		
PCB-15	7.90				PCB-55	ND	0.416		
PCB-16/32	ND	0.548			PCB-56/60	10.8			
PCB-17	ND	0.601			PCB-57	ND	0.477		
PCB-18	ND	2.10			PCB-58	ND	0.470		
PCB-19	ND	0.698			PCB-61/70	30.1			
PCB-20/21/33	ND		1.99		PCB-62	ND	0.495		
PCB-22	ND		1.74		PCB-63	0.791			J
PCB-23	ND	0.421			PCB-65	ND	0.510		
PCB-24/27	ND	0.442			PCB-66/76	15.7			
PCB-25	ND		0.714		PCB-67	ND	0.489		
PCB-26	0.971			J	PCB-68	0.925			J
PCB-28	6.53				PCB-73	ND	0.516		
PCB-29	ND	0.421			PCB-74	4.79			
PCB-30	ND	0.441			PCB-77	6.68			
PCB-31	4.54				PCB-78	ND	0.442		
PCB-34	ND	0.392			PCB-79	2.01			J
PCB-35	ND	0.417			PCB-80	ND	0.386		
PCB-36	ND	0.403			PCB-81	0.336			J
PCB-37	6.11				PCB-82	7.36			
PCB-38	ND	0.422			PCB-83	ND	0.739		
PCB-39	ND	0.415			PCB-84/92	28.7			
PCB-40	ND	0.784			PCB-85/116	29.7			
PCB-41/64/71/72	4.81			J	PCB-86	ND	1.19		
PCB-42/59	1.34			J	PCB-87/117/125	34.6			
PCB-43/49	14.6				PCB-88/91	8.91			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08
Project:	Stiller Pond	Sample Size:	11.5 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 10:14
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.11			PCB-136	8.66			
PCB-90/101	122				PCB-137	12.5			
PCB-93	ND	1.19			PCB-138/163/164	237			
PCB-94	ND	1.12			PCB-139/149	120			
PCB-95/98/102	27.1				PCB-140	ND		0.604	
PCB-96	ND	0.809			PCB-141	29.8			
PCB-97	19.8				PCB-144	4.75			
PCB-99	70.0				PCB-145	ND	0.690		
PCB-100	ND	0.917			PCB-146/165	30.9			
PCB-103	ND	0.912			PCB-147	ND		4.31	
PCB-104	ND	0.699			PCB-148	ND	0.922		
PCB-105	55.5				PCB-150	ND	0.669		
PCB-106/118	128				PCB-151	29.2			
PCB-107/109	13.0				PCB-152	ND	0.645		
PCB-108/112	2.59			J	PCB-153	196			
PCB-110	124				PCB-154	ND		1.74	
PCB-111/115	1.07			J	PCB-155	ND	0.629		
PCB-113	ND	0.825			PCB-156	23.2			
PCB-114	1.76			J	PCB-157	7.43			
PCB-119	2.46			J	PCB-158/160	18.5			
PCB-120	1.12			J	PCB-159	ND	0.742		
PCB-121	ND	0.716			PCB-166	0.839			J
PCB-122	1.87			J	PCB-167	13.0			
PCB-123	4.30				PCB-168	ND	0.747		
PCB-124	9.13				PCB-169	ND	0.747		
PCB-126	2.14			J	PCB-170	45.1			
PCB-127	ND	1.99			PCB-171	11.6			
PCB-128/162	41.4				PCB-172	8.96			
PCB-129	7.32				PCB-173	ND		0.838	
PCB-130	20.0				PCB-174	49.1			
PCB-131	ND	1.20			PCB-175	1.81			J
PCB-132/161	33.4				PCB-176	ND		3.53	
PCB-133/142	5.54				PCB-177	32.6			
PCB-134/143	5.45				PCB-178	12.8			
PCB-135	20.0				PCB-179	19.5			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.5 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	Date Analyzed :	13-Jun-15 10:14	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	101				Total octaCB	155			
PCB-181	ND		0.555		Total nonaCB	49.9			
PCB-182/187	74.6				DecaCB	38.9			
PCB-183	21.8				Total PCB	2370			
PCB-184	ND	0.511							
PCB-185	5.96								
PCB-186	ND	0.469							
PCB-188	ND	0.449							
PCB-189	2.31			J					
PCB-190	11.1								
PCB-191	1.54			J					
PCB-192	ND	0.477							
PCB-193	6.21								
PCB-194	26.7			B					
PCB-195	11.3								
PCB-196/203	40.3								
PCB-197	1.22			J					
PCB-198	2.10			J					
PCB-199	50.2								
PCB-200	4.57								
PCB-201	4.41								
PCB-202	12.5								
PCB-204	ND	0.782							
PCB-205	1.36			J					
PCB-206	34.0								
PCB-207	4.01								
PCB-208	12.0								
PCB-209	38.9								
Total monoCB	4.83								
Total diCB	20.1		24.7						
Total triCB	18.2		22.6						
Total tetraCB	111		112						
Total pentaCB	696								
Total hexaCB	865		872						
Total heptaCB	406		411						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-08
Project:	Stiller Pond	Sample Size:	11.5 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:35	% Solids:	86.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 10:14
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.7	5 -145		13C-PCB-170	103	10 -145	
13C-PCB-3	95.1	5 -145		13C-PCB-180	101	10 -145	
13C-PCB-4	76.5	5 -145		13C-PCB-188	91.4	10 -145	
13C-PCB-11	92.9	5 -145		13C-PCB-189	104	10 -145	
13C-PCB-9	83.4	5 -145		13C-PCB-194	97.9	10 -145	
13C-PCB-19	104	5 -145		13C-PCB-202	98.0	10 -145	
13C-PCB-28	100	5 -145		13C-PCB-206	103	10 -145	
13C-PCB-32	108	5 -145		13C-PCB-208	87.3	10 -145	
13C-PCB-37	105	5 -145		13C-PCB-209	107	10 -145	
13C-PCB-47	94.8	5 -145		CRS 13C-PCB-79	98.0	10 -145	
13C-PCB-52	96.3	5 -145		13C-PCB-178	101	10 -145	
13C-PCB-54	81.9	5 -145					
13C-PCB-70	95.0	5 -145					
13C-PCB-77	99.2	10 -145					
13C-PCB-80	96.4	10 -145					
13C-PCB-81	97.9	10 -145					
13C-PCB-95	97.3	10 -145					
13C-PCB-97	103	10 -145					
13C-PCB-101	98.7	10 -145					
13C-PCB-104	95.2	10 -145					
13C-PCB-105	96.9	10 -145					
13C-PCB-114	92.3	10 -145					
13C-PCB-118	106	10 -145					
13C-PCB-123	111	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	100	10 -145					
13C-PCB-138	97.6	10 -145					
13C-PCB-141	95.1	10 -145					
13C-PCB-153	92.9	10 -145					
13C-PCB-155	96.8	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	103	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	106	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	13.1 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	Date Analyzed:	13-Jun-15 11:18	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.05			J	PCB-44	7.40			
PCB-2	1.29			J	PCB-45	ND	0.579		
PCB-3	3.38				PCB-46	ND	0.635		
PCB-4/10	ND	3.57			PCB-47	5.21			
PCB-5/8	4.04			J	PCB-48/75	1.04			J
PCB-6	ND	2.68			PCB-50	ND	0.643		
PCB-7/9	ND	2.65			PCB-51	ND	0.519		
PCB-11	4.84				PCB-52/69	12.6			
PCB-12/13	ND	2.32			PCB-53	ND	0.530		
PCB-14	ND	2.00			PCB-54	ND	0.489		
PCB-15	12.7				PCB-55	ND	0.329		
PCB-16/32	ND	0.526			PCB-56/60	11.3			
PCB-17	ND	0.576			PCB-57	ND	0.364		
PCB-18	ND		1.68		PCB-58	ND		0.532	
PCB-19	ND	0.749			PCB-61/70	41.8			
PCB-20/21/33	4.08			J	PCB-62	ND	0.406		
PCB-22	2.15			J	PCB-63	ND		0.855	
PCB-23	ND	0.446			PCB-65	ND	0.419		
PCB-24/27	ND	0.424			PCB-66/76	21.9			
PCB-25	1.15			J	PCB-67	ND		0.496	
PCB-26	1.34			J	PCB-68	0.890			J
PCB-28	11.5				PCB-73	ND	0.427		
PCB-29	ND	0.446			PCB-74	7.11			
PCB-30	ND	0.474			PCB-77	7.18			
PCB-31	7.60				PCB-78	ND	0.354		
PCB-34	ND	0.415			PCB-79	ND		1.64	
PCB-35	ND	0.425			PCB-80	ND	0.306		
PCB-36	ND	0.410			PCB-81	0.498			J
PCB-37	8.93				PCB-82	9.22			
PCB-38	ND	0.429			PCB-83	ND	0.824		
PCB-39	ND	0.423			PCB-84/92	32.0			
PCB-40	ND		0.701		PCB-85/116	29.7			
PCB-41/64/71/72	7.87			J	PCB-86	ND	1.33		
PCB-42/59	1.98			J	PCB-87/117/125	38.7			
PCB-43/49	18.9				PCB-88/91	10.0			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 11:18
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.24			PCB-136	10.5			
PCB-90/101	131				PCB-137	10.6			
PCB-93	ND	1.28			PCB-138/163/164	223			
PCB-94	ND	1.20			PCB-139/149	128			
PCB-95/98/102	32.8				PCB-140	1.19			J
PCB-96	ND	0.894			PCB-141	27.8			
PCB-97	21.4				PCB-144	4.94			
PCB-99	76.7				PCB-145	ND	0.724		
PCB-100	ND	1.01			PCB-146/165	34.4			
PCB-103	0.928			J	PCB-147	4.72			
PCB-104	ND	0.773			PCB-148	0.419			J
PCB-105	40.7				PCB-150	ND	0.702		
PCB-106/118	126				PCB-151	34.0			
PCB-107/109	15.4				PCB-152	ND	0.678		
PCB-108/112	3.51			J	PCB-153	193			
PCB-110	154				PCB-154	2.21			J
PCB-111/115	1.02			J	PCB-155	ND	0.661		
PCB-113	ND	0.923			PCB-156	24.0			
PCB-114	1.63			J	PCB-157	5.93			
PCB-119	2.88				PCB-158/160	16.8			
PCB-120	1.29			J	PCB-159	ND	0.650		
PCB-121	ND	0.771			PCB-166	0.990			J
PCB-122	1.91			J	PCB-167	11.1			
PCB-123	3.54				PCB-168	ND	0.627		
PCB-124	7.91				PCB-169	ND	0.652		
PCB-126	2.22			J	PCB-170	46.2			
PCB-127	ND	0.657			PCB-171	12.1			
PCB-128/162	41.0				PCB-172	8.89			
PCB-129	7.65				PCB-173	ND		1.23	
PCB-130	20.1				PCB-174	48.4			
PCB-131	ND	1.01			PCB-175	1.88			J
PCB-132/161	34.5				PCB-176	4.00			
PCB-133/142	5.43				PCB-177	30.9			
PCB-134/143	5.34				PCB-178	13.1			
PCB-135	21.3				PCB-179	19.1			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 11:18
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	102				Total octaCB	154		155	
PCB-181	ND	0.654			Total nonaCB	47.1			
PCB-182/187	72.1				DecaCB	28.5			
PCB-183	24.7				Total PCB	2460			
PCB-184	ND	0.524							
PCB-185	6.18								
PCB-186	ND	0.482							
PCB-188	ND	0.461							
PCB-189	2.35			J					
PCB-190	10.3								
PCB-191	1.51			J					
PCB-192	ND	0.508							
PCB-193	6.35								
PCB-194	30.6			B					
PCB-195	12.2								
PCB-196/203	41.7								
PCB-197	ND		0.991						
PCB-198	2.10			J					
PCB-199	46.3								
PCB-200	4.63								
PCB-201	4.93								
PCB-202	10.3								
PCB-204	ND	0.713							
PCB-205	1.72			J					
PCB-206	32.4								
PCB-207	3.68								
PCB-208	11.1								
PCB-209	28.5								
Total monoCB	5.72								
Total diCB	21.6								
Total triCB	36.7		38.4						
Total tetraCB	146		150						
Total pentaCB	744								
Total hexaCB	869								
Total heptaCB	410		412						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-09
Project:	Stiller Pond	Sample Size:	13.1 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:40	% Solids:	77.5	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 11:18
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	60.6	5 -145		13C-PCB-170	96.9	10 -145	
13C-PCB-3	71.9	5 -145		13C-PCB-180	97.5	10 -145	
13C-PCB-4	60.5	5 -145		13C-PCB-188	89.5	10 -145	
13C-PCB-11	83.5	5 -145		13C-PCB-189	99.7	10 -145	
13C-PCB-9	67.3	5 -145		13C-PCB-194	96.2	10 -145	
13C-PCB-19	86.3	5 -145		13C-PCB-202	94.4	10 -145	
13C-PCB-28	79.6	5 -145		13C-PCB-206	98.5	10 -145	
13C-PCB-32	96.9	5 -145		13C-PCB-208	86.1	10 -145	
13C-PCB-37	92.4	5 -145		13C-PCB-209	101	10 -145	
13C-PCB-47	89.0	5 -145		CRS 13C-PCB-79	97.5	10 -145	
13C-PCB-52	89.3	5 -145		13C-PCB-178	99.0	10 -145	
13C-PCB-54	71.6	5 -145					
13C-PCB-70	92.2	5 -145					
13C-PCB-77	95.1	10 -145					
13C-PCB-80	92.8	10 -145					
13C-PCB-81	93.3	10 -145					
13C-PCB-95	94.7	10 -145					
13C-PCB-97	98.1	10 -145					
13C-PCB-101	95.3	10 -145					
13C-PCB-104	92.0	10 -145					
13C-PCB-105	100	10 -145					
13C-PCB-114	92.5	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	102	10 -145					
13C-PCB-138	96.3	10 -145					
13C-PCB-141	94.6	10 -145					
13C-PCB-153	94.7	10 -145					
13C-PCB-155	92.3	10 -145					
13C-PCB-156	99.4	10 -145					
13C-PCB-157	99.2	10 -145					
13C-PCB-159	95.6	10 -145					
13C-PCB-167	99.2	10 -145					
13C-PCB-169	102	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.42			PCB-44	2.46			J
PCB-2	ND	1.32			PCB-45	ND	0.493		
PCB-3	ND		1.27		PCB-46	ND	0.541		
PCB-4/10	ND	3.57			PCB-47	1.89			J
PCB-5/8	ND	2.77			PCB-48/75	ND	0.354		
PCB-6	ND	2.84			PCB-50	ND	0.517		
PCB-7/9	ND	2.81			PCB-51	ND	0.442		
PCB-11	ND		2.40		PCB-52/69	4.17			J
PCB-12/13	ND	2.38			PCB-53	ND	0.451		
PCB-14	ND	2.05			PCB-54	ND	0.393		
PCB-15	4.13				PCB-55	ND	0.289		
PCB-16/32	ND	0.340			PCB-56/60	4.15			J
PCB-17	ND	0.372			PCB-57	ND	0.321		
PCB-18	ND	0.402			PCB-58	ND	0.316		
PCB-19	ND	0.432			PCB-61/70	13.4			
PCB-20/21/33	1.35			J	PCB-62	ND	0.345		
PCB-22	ND	0.412			PCB-63	ND	0.309		
PCB-23	ND	0.396			PCB-65	ND	0.356		
PCB-24/27	ND	0.274			PCB-66/76	7.03			
PCB-25	ND	0.436			PCB-67	ND	0.329		
PCB-26	ND	0.387			PCB-68	0.462			J
PCB-28	3.55				PCB-73	ND	0.364		
PCB-29	ND	0.396			PCB-74	2.29			J
PCB-30	ND	0.273			PCB-77	2.68			
PCB-31	2.28			J	PCB-78	ND	0.309		
PCB-34	ND	0.368			PCB-79	0.612			J
PCB-35	ND	0.410			PCB-80	ND	0.269		
PCB-36	ND	0.396			PCB-81	ND	0.282		
PCB-37	ND		2.60		PCB-82	2.57			
PCB-38	ND	0.415			PCB-83	ND	0.584		
PCB-39	ND	0.408			PCB-84/92	12.0			
PCB-40	ND	0.547			PCB-85/116	10.8			
PCB-41/64/71/72	2.84			J	PCB-86	ND	0.940		
PCB-42/59	0.977			J	PCB-87/117/125	13.7			
PCB-43/49	6.43				PCB-88/91	3.39			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.871			PCB-136	3.96			
PCB-90/101	47.4				PCB-137	3.99			
PCB-93	ND	0.933			PCB-138/163/164	84.2			
PCB-94	ND	0.877			PCB-139/149	50.6			
PCB-95/98/102	11.8				PCB-140	ND	0.837		
PCB-96	ND	0.673			PCB-141	10.4			
PCB-97	7.44				PCB-144	1.83			J
PCB-99	27.7				PCB-145	ND	0.595		
PCB-100	ND	0.763			PCB-146/165	13.4			
PCB-103	ND	0.759			PCB-147	ND		1.75	
PCB-104	ND	0.582			PCB-148	ND	0.796		
PCB-105	15.2				PCB-150	ND	0.577		
PCB-106/118	46.6				PCB-151	13.7			
PCB-107/109	6.06				PCB-152	ND	0.557		
PCB-108/112	ND		0.959		PCB-153	72.7			
PCB-110	53.6				PCB-154	1.08			J
PCB-111/115	0.480			J	PCB-155	ND	0.543		
PCB-113	ND	0.648			PCB-156	8.43			
PCB-114	ND		0.491		PCB-157	2.35			J
PCB-119	0.950			J	PCB-158/160	6.05			
PCB-120	ND	0.489			PCB-159	ND	0.676		
PCB-121	ND	0.563			PCB-166	ND	0.723		
PCB-122	ND		0.593		PCB-167	4.10			
PCB-123	1.09			J	PCB-168	ND	0.683		
PCB-124	2.86				PCB-169	ND	0.648		
PCB-126	0.935			J	PCB-170	17.3			
PCB-127	ND	0.766			PCB-171	4.23			
PCB-128/162	15.1				PCB-172	3.64			
PCB-129	2.53				PCB-173	ND	0.881		
PCB-130	7.34				PCB-174	19.8			
PCB-131	ND	1.10			PCB-175	0.831			J
PCB-132/161	14.6				PCB-176	1.58			J
PCB-133/142	2.32			J	PCB-177	12.0			
PCB-134/143	2.05			J	PCB-178	5.39			
PCB-135	8.36				PCB-179	7.57			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	13.0 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	Date Analyzed :	13-Jun-15 12:23	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	37.8				Total octaCB	57.0		60.9	
PCB-181	ND	0.721			Total nonaCB	18.4		19.7	
PCB-182/187	28.8				DecaCB	11.5			
PCB-183	9.46				Total PCB	899			
PCB-184	ND	0.585							
PCB-185	2.17			J					
PCB-186	ND	0.538							
PCB-188	ND	0.515							
PCB-189	0.971			J					
PCB-190	4.10								
PCB-191	ND		0.383						
PCB-192	ND	0.560							
PCB-193	2.18			J					
PCB-194	11.5			B					
PCB-195	4.48								
PCB-196/203	17.2								
PCB-197	0.589			J					
PCB-198	0.871			J					
PCB-199	18.3								
PCB-200	1.69			J					
PCB-201	1.68			J					
PCB-202	ND		3.91						
PCB-204	ND	0.772							
PCB-205	0.746			J					
PCB-206	13.7								
PCB-207	ND		1.30						
PCB-208	4.71								
PCB-209	11.5								
Total monoCB	ND		1.27						
Total diCB	4.13		6.53						
Total triCB	7.18		9.78						
Total tetraCB	49.4								
Total pentaCB	264		266						
Total hexaCB	329		331						
Total heptaCB	158								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-10
Project:	Stiller Pond	Sample Size:	13.0 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 12:45	% Solids:	77.6	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 12:23
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	82.9	5 -145		13C-PCB-170	100	10 -145	
13C-PCB-3	94.6	5 -145		13C-PCB-180	97.0	10 -145	
13C-PCB-4	69.3	5 -145		13C-PCB-188	89.9	10 -145	
13C-PCB-11	90.6	5 -145		13C-PCB-189	103	10 -145	
13C-PCB-9	74.0	5 -145		13C-PCB-194	93.7	10 -145	
13C-PCB-19	98.0	5 -145		13C-PCB-202	94.1	10 -145	
13C-PCB-28	93.9	5 -145		13C-PCB-206	96.0	10 -145	
13C-PCB-32	101	5 -145		13C-PCB-208	80.0	10 -145	
13C-PCB-37	99.9	5 -145		13C-PCB-209	98.1	10 -145	
13C-PCB-47	89.5	5 -145		CRS 13C-PCB-79	95.8	10 -145	
13C-PCB-52	90.0	5 -145		13C-PCB-178	97.1	10 -145	
13C-PCB-54	73.8	5 -145					
13C-PCB-70	91.9	5 -145					
13C-PCB-77	94.1	10 -145					
13C-PCB-80	92.8	10 -145					
13C-PCB-81	92.7	10 -145					
13C-PCB-95	92.2	10 -145					
13C-PCB-97	98.8	10 -145					
13C-PCB-101	95.9	10 -145					
13C-PCB-104	90.1	10 -145					
13C-PCB-105	96.0	10 -145					
13C-PCB-114	90.8	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	99.9	10 -145					
13C-PCB-127	96.8	10 -145					
13C-PCB-138	93.4	10 -145					
13C-PCB-141	91.3	10 -145					
13C-PCB-153	89.2	10 -145					
13C-PCB-155	90.8	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	98.0	10 -145					
13C-PCB-159	97.0	10 -145					
13C-PCB-167	97.3	10 -145					
13C-PCB-169	106	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	11.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	Date Analyzed :	13-Jun-15 13:27	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	0.767			J	PCB-44	1.80			J
PCB-2	1.14			J	PCB-45	ND	0.435		
PCB-3	0.838			J	PCB-46	ND	0.476		
PCB-4/10	ND	3.48			PCB-47	2.24			J
PCB-5/8	ND	2.72			PCB-48/75	ND	0.343		
PCB-6	ND	2.79			PCB-50	ND	0.474		
PCB-7/9	ND	2.76			PCB-51	ND	0.389		
PCB-11	ND	2.68			PCB-52/69	1.78			J
PCB-12/13	ND	2.71			PCB-53	ND	0.398		
PCB-14	ND	2.34			PCB-54	ND	0.360		
PCB-15	ND	2.39			PCB-55	ND	0.279		
PCB-16/32	1.23			J	PCB-56/60	2.14			J
PCB-17	ND	0.298			PCB-57	ND	0.314		
PCB-18	1.20			J	PCB-58	ND	0.310		
PCB-19	ND	0.366			PCB-61/70	5.18			
PCB-20/21/33	ND		1.32		PCB-62	ND	0.335		
PCB-22	0.946			J	PCB-63	ND	0.303		
PCB-23	ND	0.303			PCB-65	ND	0.345		
PCB-24/27	ND	0.219			PCB-66/76	2.85			J
PCB-25	ND	0.335			PCB-67	ND	0.323		
PCB-26	ND	0.297			PCB-68	0.421			J
PCB-28	1.53			J	PCB-73	ND	0.320		
PCB-29	ND	0.303			PCB-74	0.982			J
PCB-30	ND	0.231			PCB-77	2.09			J
PCB-31	1.93			J	PCB-78	ND	0.290		
PCB-34	ND	0.282			PCB-79	ND	0.296		
PCB-35	ND	0.304			PCB-80	ND	0.259		
PCB-36	ND	0.294			PCB-81	ND	0.265		
PCB-37	1.23			J	PCB-82	1.41			J
PCB-38	ND	0.307			PCB-83	ND	0.514		
PCB-39	ND	0.303			PCB-84/92	4.35			J
PCB-40	ND	0.531			PCB-85/116	3.81			J
PCB-41/64/71/72	ND		1.35		PCB-86	ND	0.828		
PCB-42/59	0.756			J	PCB-87/117/125	4.36			J
PCB-43/49	2.46			J	PCB-88/91	2.05			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	Date Analyzed :	13-Jun-15 13:27	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.727			PCB-136	ND		1.41	
PCB-90/101	15.3				PCB-137	1.80			J
PCB-93	ND	0.774			PCB-138/163/164	25.8			
PCB-94	ND	0.727			PCB-139/149	19.4			
PCB-95/98/102	6.50			J	PCB-140	ND	0.780		
PCB-96	ND	0.567			PCB-141	3.95			
PCB-97	3.38				PCB-144	ND		0.813	
PCB-99	7.59				PCB-145	ND	0.555		
PCB-100	ND	0.643			PCB-146/165	4.72			J
PCB-103	ND	0.639			PCB-147	0.816			J
PCB-104	ND	0.490			PCB-148	ND	0.742		
PCB-105	6.35				PCB-150	ND	0.537		
PCB-106/118	14.2				PCB-151	4.81			
PCB-107/109	1.36			J	PCB-152	ND	0.519		
PCB-108/112	0.724			J	PCB-153	25.0			
PCB-110	13.5				PCB-154	ND	0.681		
PCB-111/115	0.592			J	PCB-155	ND	0.506		
PCB-113	ND	0.541			PCB-156	2.12			J
PCB-114	ND	0.678			PCB-157	0.741			J
PCB-119	ND		0.357		PCB-158/160	2.65			J
PCB-120	ND	0.430			PCB-159	ND	0.533		
PCB-121	ND	0.467			PCB-166	ND	0.571		
PCB-122	ND	0.807			PCB-167	1.62			J
PCB-123	ND	0.465			PCB-168	ND	0.536		
PCB-124	ND		0.676		PCB-169	ND	0.512		
PCB-126	0.540			J	PCB-170	6.92			
PCB-127	ND	0.725			PCB-171	2.03			J
PCB-128/162	4.76			J	PCB-172	2.38			J
PCB-129	0.898			J	PCB-173	ND	0.661		
PCB-130	2.48				PCB-174	8.46			
PCB-131	ND	0.859			PCB-175	ND	0.584		
PCB-132/161	4.84			J	PCB-176	0.966			J
PCB-133/142	0.983			J	PCB-177	4.92			
PCB-134/143	0.998			J	PCB-178	2.48			
PCB-135	3.03				PCB-179	3.67			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11
Project:	Stiller Pond	Sample Size:	11.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 13:27
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	18.7				Total octaCB	33.7			
PCB-181	ND	0.541			Total nonaCB	15.9			
PCB-182/187	13.8				DecaCB	12.0			
PCB-183	4.54				Total PCB	365			
PCB-184	ND	0.457							
PCB-185	ND		0.710						
PCB-186	ND	0.420							
PCB-188	ND	0.402							
PCB-189	0.396			J					
PCB-190	1.65			J					
PCB-191	0.422			J					
PCB-192	ND	0.420							
PCB-193	1.24			J					
PCB-194	5.66			B					
PCB-195	1.73			J					
PCB-196/203	9.06								
PCB-197	ND	0.559							
PCB-198	0.524			J					
PCB-199	10.3								
PCB-200	1.11			J					
PCB-201	1.67			J					
PCB-202	3.26								
PCB-204	ND	0.607							
PCB-205	0.392			J					
PCB-206	9.67								
PCB-207	2.08			J					
PCB-208	4.12								
PCB-209	12.0								
Total monoCB	2.74								
Total diCB	ND	3.48							
Total triCB	8.07		9.40						
Total tetraCB	22.7		24.0						
Total pentaCB	86.1		87.1						
Total hexaCB	111		114						
Total heptaCB	72.5		73.3						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-11	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	11.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:05	% Solids:	90.0	Date Analyzed:	13-Jun-15 13:27	Column:	ZB-1
				Analyst:	DMS		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.7	5 -145		13C-PCB-170	96.5	10 -145	
13C-PCB-3	90.8	5 -145		13C-PCB-180	95.9	10 -145	
13C-PCB-4	74.4	5 -145		13C-PCB-188	87.6	10 -145	
13C-PCB-11	83.9	5 -145		13C-PCB-189	102	10 -145	
13C-PCB-9	79.6	5 -145		13C-PCB-194	90.3	10 -145	
13C-PCB-19	99.2	5 -145		13C-PCB-202	91.0	10 -145	
13C-PCB-28	89.6	5 -145		13C-PCB-206	94.7	10 -145	
13C-PCB-32	105	5 -145		13C-PCB-208	77.4	10 -145	
13C-PCB-37	98.2	5 -145		13C-PCB-209	95.6	10 -145	
13C-PCB-47	88.7	5 -145		CRS 13C-PCB-79	92.4	10 -145	
13C-PCB-52	93.1	5 -145		13C-PCB-178	94.1	10 -145	
13C-PCB-54	77.5	5 -145					
13C-PCB-70	90.4	5 -145					
13C-PCB-77	93.2	10 -145					
13C-PCB-80	90.0	10 -145					
13C-PCB-81	92.4	10 -145					
13C-PCB-95	92.3	10 -145					
13C-PCB-97	97.5	10 -145					
13C-PCB-101	94.8	10 -145					
13C-PCB-104	88.0	10 -145					
13C-PCB-105	93.5	10 -145					
13C-PCB-114	90.7	10 -145					
13C-PCB-118	99.8	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	95.0	10 -145					
13C-PCB-138	93.3	10 -145					
13C-PCB-141	90.0	10 -145					
13C-PCB-153	87.4	10 -145					
13C-PCB-155	91.2	10 -145					
13C-PCB-156	96.8	10 -145					
13C-PCB-157	98.0	10 -145					
13C-PCB-159	94.8	10 -145					
13C-PCB-167	95.6	10 -145					
13C-PCB-169	99.9	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:10	% Solids:	81.6	Date Analyzed :	13-Jun-15 14:31	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.784			PCB-44	ND	0.490		
PCB-2	ND	0.782			PCB-45	ND	0.421		
PCB-3	ND	0.780			PCB-46	ND	0.461		
PCB-4/10	ND	2.84			PCB-47	0.657			J
PCB-5/8	ND	2.10			PCB-48/75	ND	0.321		
PCB-6	ND	2.15			PCB-50	ND	0.459		
PCB-7/9	ND	2.13			PCB-51	ND	0.377		
PCB-11	2.37			J	PCB-52/69	0.338			J
PCB-12/13	ND	2.08			PCB-53	ND	0.385		
PCB-14	ND	1.80			PCB-54	ND	0.348		
PCB-15	ND	1.83			PCB-55	ND	0.262		
PCB-16/32	ND	0.332			PCB-56/60	0.474			J
PCB-17	ND	0.364			PCB-57	ND	0.297		
PCB-18	ND	0.392			PCB-58	ND	0.293		
PCB-19	ND	0.440			PCB-61/70	0.987			J
PCB-20/21/33	ND	0.348			PCB-62	ND	0.314		
PCB-22	ND	0.346			PCB-63	ND	0.286		
PCB-23	ND	0.333			PCB-65	ND	0.324		
PCB-24/27	ND	0.268			PCB-66/76	0.574			J
PCB-25	ND	0.367			PCB-67	ND	0.305		
PCB-26	ND	0.325			PCB-68	0.381			J
PCB-28	ND	0.326			PCB-73	ND	0.310		
PCB-29	ND	0.333			PCB-74	0.242			J
PCB-30	ND	0.278			PCB-77	ND	0.274		
PCB-31	ND	0.322			PCB-78	ND	0.278		
PCB-34	ND	0.310			PCB-79	ND	0.278		
PCB-35	ND	0.329			PCB-80	ND	0.243		
PCB-36	ND	0.318			PCB-81	ND	0.254		
PCB-37	ND	0.306			PCB-82	ND	0.944		
PCB-38	ND	0.332			PCB-83	ND	0.653		
PCB-39	ND	0.327			PCB-84/92	ND		0.666	
PCB-40	ND	0.497			PCB-85/116	ND	0.780		
PCB-41/64/71/72	0.443			J	PCB-86	ND	1.05		
PCB-42/59	ND	0.345			PCB-87/117/125	ND	0.682		
PCB-43/49	0.474			J	PCB-88/91	ND	0.909		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:10	% Solids:	81.6	Date Analyzed :	13-Jun-15 14:31	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.954			PCB-136	ND	0.520		
PCB-90/101	2.68			J	PCB-137	ND	0.532		
PCB-93	ND	0.962			PCB-138/163/164	3.62			J
PCB-94	ND	0.904			PCB-139/149	2.50			J
PCB-95/98/102	ND		1.04		PCB-140	ND	0.764		
PCB-96	ND	0.689			PCB-141	ND	0.542		
PCB-97	ND	0.836			PCB-144	ND	0.694		
PCB-99	1.29			J	PCB-145	ND	0.543		
PCB-100	ND	0.781			PCB-146/165	ND	0.511		
PCB-103	ND	0.777			PCB-147	ND	0.762		
PCB-104	ND	0.596			PCB-148	ND	0.726		
PCB-105	0.977			J	PCB-150	ND	0.527		
PCB-106/118	2.17			J	PCB-151	ND	0.726		
PCB-107/109	ND	0.525			PCB-152	ND	0.508		
PCB-108/112	ND	0.772			PCB-153	3.24			
PCB-110	2.41			J	PCB-154	ND	0.667		
PCB-111/115	ND	0.585			PCB-155	ND	0.496		
PCB-113	ND	0.709			PCB-156	ND	0.381		
PCB-114	ND	0.413			PCB-157	ND	0.398		
PCB-119	ND	0.578			PCB-158/160	ND	0.398		
PCB-120	ND	0.547			PCB-159	ND	0.408		
PCB-121	ND	0.580			PCB-166	ND	0.437		
PCB-122	ND	0.491			PCB-167	ND	0.408		
PCB-123	ND	0.560			PCB-168	ND	0.408		
PCB-124	ND	0.538			PCB-169	ND	0.396		
PCB-126	ND	0.473			PCB-170	ND		0.660	
PCB-127	ND	0.458			PCB-171	ND	0.334		
PCB-128/162	0.855			J	PCB-172	ND	0.359		
PCB-129	ND	0.594			PCB-173	ND	0.440		
PCB-130	ND	0.681			PCB-174	1.04			J
PCB-131	ND	0.654			PCB-175	ND	0.388		
PCB-132/161	ND		0.696		PCB-176	ND	0.279		
PCB-133/142	ND	0.609			PCB-177	ND	0.384		
PCB-134/143	ND	0.594			PCB-178	ND	0.377		
PCB-135	ND	0.745			PCB-179	ND	0.292		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data			Sample Data			Laboratory Data					
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil		Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond		Sample Size:	12.6 g		QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:10		% Solids:	81.6		Date Analyzed:	13-Jun-15 14:31	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	2.27			J	Total octaCB	1.04		2.62	
PCB-181	ND	0.360			Total nonaCB	1.84			
PCB-182/187	2.19			J	DecaCB	1.27			
PCB-183	ND	0.332			Total PCB	36.3			
PCB-184	ND	0.303							
PCB-185	ND	0.346							
PCB-186	ND	0.278							
PCB-188	ND	0.267							
PCB-189	ND	0.212							
PCB-190	ND	0.240							
PCB-191	ND	0.261							
PCB-192	ND	0.280							
PCB-193	ND	0.262							
PCB-194	1.04			J, B					
PCB-195	ND	0.429							
PCB-196/203	ND		0.963						
PCB-197	ND	0.432							
PCB-198	ND	0.669							
PCB-199	ND		0.622						
PCB-200	ND	0.487							
PCB-201	ND	0.460							
PCB-202	ND	0.495							
PCB-204	ND	0.469							
PCB-205	ND	0.303							
PCB-206	1.28			J					
PCB-207	ND	0.603							
PCB-208	0.560			J					
PCB-209	1.27			J					
Total monoCB	ND	0.784							
Total diCB	2.37								
Total triCB	ND	0.440							
Total tetraCB	4.57								
Total pentaCB	9.54		11.2						
Total hexaCB	10.2		10.9						
Total heptaCB	5.50		6.16						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-12	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	12.6 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:10	% Solids:	81.6	Date Analyzed:	13-Jun-15 14:31	Column:	ZB-1
				Analyst: DMS			

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	84.9	5 -145		13C-PCB-170	104	10 -145	
13C-PCB-3	89.2	5 -145		13C-PCB-180	103	10 -145	
13C-PCB-4	72.7	5 -145		13C-PCB-188	96.4	10 -145	
13C-PCB-11	86.1	5 -145		13C-PCB-189	113	10 -145	
13C-PCB-9	80.3	5 -145		13C-PCB-194	99.5	10 -145	
13C-PCB-19	96.2	5 -145		13C-PCB-202	102	10 -145	
13C-PCB-28	88.9	5 -145		13C-PCB-206	113	10 -145	
13C-PCB-32	100	5 -145		13C-PCB-208	86.3	10 -145	
13C-PCB-37	99.0	5 -145		13C-PCB-209	117	10 -145	
13C-PCB-47	93.8	5 -145		CRS 13C-PCB-79	99.7	10 -145	
13C-PCB-52	96.9	5 -145		13C-PCB-178	103	10 -145	
13C-PCB-54	80.7	5 -145					
13C-PCB-70	93.9	5 -145					
13C-PCB-77	96.0	10 -145					
13C-PCB-80	95.6	10 -145					
13C-PCB-81	95.4	10 -145					
13C-PCB-95	97.1	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	97.4	10 -145					
13C-PCB-104	95.1	10 -145					
13C-PCB-105	108	10 -145					
13C-PCB-114	110	10 -145					
13C-PCB-118	112	10 -145					
13C-PCB-123	115	10 -145					
13C-PCB-126	112	10 -145					
13C-PCB-127	107	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	99.3	10 -145					
13C-PCB-153	97.8	10 -145					
13C-PCB-155	96.8	10 -145					
13C-PCB-156	104	10 -145					
13C-PCB-157	103	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	103	10 -145					
13C-PCB-169	111	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13
Project:	Stiller Pond	Sample Size:	14.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 15:35
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.727			PCB-44	1.18			J
PCB-2	ND		0.535		PCB-45	ND	0.547		
PCB-3	ND	0.771			PCB-46	ND	0.600		
PCB-4/10	ND	3.21			PCB-47	ND		0.518	
PCB-5/8	ND	2.52			PCB-48/75	ND	0.411		
PCB-6	ND	2.59			PCB-50	ND	0.586		
PCB-7/9	ND	2.56			PCB-51	ND	0.490		
PCB-11	ND	2.48			PCB-52/69	1.98			J
PCB-12/13	ND	2.52			PCB-53	ND	0.501		
PCB-14	ND	2.17			PCB-54	ND	0.446		
PCB-15	ND	2.21			PCB-55	ND	0.324		
PCB-16/32	ND	0.424			PCB-56/60	1.21			J
PCB-17	ND	0.465			PCB-57	ND	0.363		
PCB-18	ND	0.502			PCB-58	ND	0.357		
PCB-19	ND	0.538			PCB-61/70	ND		1.94	
PCB-20/21/33	ND	0.387			PCB-62	ND	0.402		
PCB-22	ND	0.385			PCB-63	ND	0.349		
PCB-23	ND	0.370			PCB-65	ND	0.414		
PCB-24/27	ND	0.342			PCB-66/76	1.43			J
PCB-25	ND	0.408			PCB-67	ND	0.372		
PCB-26	ND	0.362			PCB-68	ND	0.339		
PCB-28	1.30			J	PCB-73	ND	0.404		
PCB-29	ND	0.370			PCB-74	0.628			J
PCB-30	ND	0.340			PCB-77	0.665			J
PCB-31	1.40			J	PCB-78	ND	0.341		
PCB-34	ND	0.344			PCB-79	ND	0.344		
PCB-35	ND	0.343			PCB-80	ND	0.301		
PCB-36	ND	0.331			PCB-81	ND	0.311		
PCB-37	0.739			J	PCB-82	ND	1.25		
PCB-38	ND	0.347			PCB-83	ND	0.822		
PCB-39	ND	0.341			PCB-84/92	2.06			J
PCB-40	ND	0.636			PCB-85/116	2.89			J
PCB-41/64/71/72	ND		0.742		PCB-86	ND	1.32		
PCB-42/59	ND	0.441			PCB-87/117/125	2.41			J
PCB-43/49	ND		1.11		PCB-88/91	0.782			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	14.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	Date Analyzed:	13-Jun-15 15:35	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.19			PCB-136	0.670			J
PCB-90/101	7.02				PCB-137	ND		1.19	
PCB-93	ND	1.23			PCB-138/163/164	21.0			
PCB-94	ND	1.16			PCB-139/149	9.17			
PCB-95/98/102	3.02			J	PCB-140	ND	0.951		
PCB-96	ND	0.850			PCB-141	2.07			J
PCB-97	1.56			J	PCB-144	ND	0.864		
PCB-99	5.57				PCB-145	ND	0.676		
PCB-100	ND	0.964			PCB-146/165	3.24			J
PCB-103	ND	0.959			PCB-147	ND	0.949		
PCB-104	ND	0.735			PCB-148	ND	0.904		
PCB-105	4.79				PCB-150	ND	0.655		
PCB-106/118	7.02				PCB-151	2.38			J
PCB-107/109	0.866			J	PCB-152	ND	0.632		
PCB-108/112	ND	0.972			PCB-153	19.5			
PCB-110	8.42				PCB-154	ND	0.830		
PCB-111/115	ND	0.736			PCB-155	ND	0.617		
PCB-113	ND	0.881			PCB-156	1.66			J
PCB-114	ND	0.606			PCB-157	ND		0.670	
PCB-119	ND	0.727			PCB-158/160	2.22			J
PCB-120	ND	0.688			PCB-159	ND	0.542		
PCB-121	ND	0.741			PCB-166	ND	0.580		
PCB-122	ND	0.721			PCB-167	1.03			J
PCB-123	ND	0.742			PCB-168	ND	0.554		
PCB-124	ND	0.712			PCB-169	ND	0.532		
PCB-126	ND	0.636			PCB-170	4.31			
PCB-127	ND	0.652			PCB-171	ND		1.19	
PCB-128/162	3.38			J	PCB-172	1.01			J
PCB-129	0.745			J	PCB-173	ND	0.693		
PCB-130	1.10			J	PCB-174	5.53			
PCB-131	ND	0.888			PCB-175	ND		0.443	
PCB-132/161	2.02			J	PCB-176	ND	0.438		
PCB-133/142	ND		0.416		PCB-177	3.41			
PCB-134/143	0.448			J	PCB-178	1.88			J
PCB-135	1.64			J	PCB-179	2.09			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13
Project:	Stiller Pond	Sample Size:	14.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 15:35
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	12.2				Total octaCB	20.6		21.8	
PCB-181	ND	0.567			Total nonaCB	9.65			
PCB-182/187	9.79				DecaCB	6.18			
PCB-183	2.60				Total PCB	212			
PCB-184	ND	0.477							
PCB-185	0.755			J					
PCB-186	ND	0.438							
PCB-188	ND	0.419							
PCB-189	0.456			J					
PCB-190	1.26			J					
PCB-191	ND	0.411							
PCB-192	ND	0.440							
PCB-193	0.929			J					
PCB-194	3.68			B					
PCB-195	ND		1.08						
PCB-196/203	5.82								
PCB-197	ND	0.704							
PCB-198	ND	1.09							
PCB-199	7.29								
PCB-200	ND	0.794							
PCB-201	1.07			J					
PCB-202	2.71								
PCB-204	ND	0.764							
PCB-205	ND		0.178						
PCB-206	6.27								
PCB-207	1.31			J					
PCB-208	2.06			J					
PCB-209	6.18								
Total monoCB	ND		0.535						
Total diCB	ND	3.21							
Total triCB	3.43								
Total tetraCB	7.09		11.4						
Total pentaCB	46.4								
Total hexaCB	72.3		74.6						
Total heptaCB	46.2		47.8						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-13	Date Received:	04-Jun-2015 10:28
Project:	Stiller Pond	Sample Size:	14.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18
Date Collected:	03-Jun-2015 11:20	% Solids:	69.1	Date Analyzed:	13-Jun-15 15:35	Column:	ZB-1
				Analyst:	DMS		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	86.5	5 -145		13C-PCB-170	92.5	10 -145	
13C-PCB-3	85.9	5 -145		13C-PCB-180	90.3	10 -145	
13C-PCB-4	72.9	5 -145		13C-PCB-188	84.4	10 -145	
13C-PCB-11	80.8	5 -145		13C-PCB-189	95.9	10 -145	
13C-PCB-9	76.1	5 -145		13C-PCB-194	87.0	10 -145	
13C-PCB-19	93.7	5 -145		13C-PCB-202	88.9	10 -145	
13C-PCB-28	76.9	5 -145		13C-PCB-206	94.4	10 -145	
13C-PCB-32	96.1	5 -145		13C-PCB-208	78.8	10 -145	
13C-PCB-37	90.1	5 -145		13C-PCB-209	90.5	10 -145	
13C-PCB-47	83.9	5 -145		CRS 13C-PCB-79	90.1	10 -145	
13C-PCB-52	86.5	5 -145		13C-PCB-178	92.5	10 -145	
13C-PCB-54	71.6	5 -145					
13C-PCB-70	84.8	5 -145					
13C-PCB-77	89.3	10 -145					
13C-PCB-80	85.9	10 -145					
13C-PCB-81	87.2	10 -145					
13C-PCB-95	86.1	10 -145					
13C-PCB-97	90.5	10 -145					
13C-PCB-101	88.6	10 -145					
13C-PCB-104	84.3	10 -145					
13C-PCB-105	91.8	10 -145					
13C-PCB-114	89.4	10 -145					
13C-PCB-118	97.1	10 -145					
13C-PCB-123	99.6	10 -145					
13C-PCB-126	99.8	10 -145					
13C-PCB-127	93.6	10 -145					
13C-PCB-138	90.2	10 -145					
13C-PCB-141	88.5	10 -145					
13C-PCB-153	87.0	10 -145					
13C-PCB-155	86.8	10 -145					
13C-PCB-156	92.8	10 -145					
13C-PCB-157	91.3	10 -145					
13C-PCB-159	90.1	10 -145					
13C-PCB-167	92.5	10 -145					
13C-PCB-169	95.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	13.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	Date Analyzed :	13-Jun-15 16:39	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.945			PCB-44	ND	0.542		
PCB-2	ND	1.04			PCB-45	ND	0.490		
PCB-3	ND	1.04			PCB-46	ND	0.537		
PCB-4/10	ND	3.17			PCB-47	ND	0.394		
PCB-5/8	ND	2.61			PCB-48/75	ND	0.356		
PCB-6	ND	2.67			PCB-50	ND	0.489		
PCB-7/9	ND	2.64			PCB-51	ND	0.439		
PCB-11	ND	2.99			PCB-52/69	ND	0.395		
PCB-12/13	ND	3.04			PCB-53	ND	0.448		
PCB-14	ND	2.23			PCB-54	ND	0.372		
PCB-15	ND	2.67			PCB-55	ND	0.305		
PCB-16/32	ND	0.346			PCB-56/60	ND	0.339		
PCB-17	ND	0.379			PCB-57	ND	0.321		
PCB-18	ND	0.409			PCB-58	ND	0.316		
PCB-19	ND	0.436			PCB-61/70	ND	0.319		
PCB-20/21/33	ND	0.357			PCB-62	ND	0.348		
PCB-22	ND	0.355			PCB-63	ND	0.309		
PCB-23	ND	0.341			PCB-65	ND	0.359		
PCB-24/27	ND	0.279			PCB-66/76	ND	0.304		
PCB-25	ND	0.376			PCB-67	ND	0.329		
PCB-26	ND	0.334			PCB-68	ND	0.293		
PCB-28	ND	0.334			PCB-73	ND	0.361		
PCB-29	ND	0.341			PCB-74	ND	0.296		
PCB-30	ND	0.276			PCB-77	ND	0.295		
PCB-31	ND	0.330			PCB-78	ND	0.326		
PCB-34	ND	0.317			PCB-79	ND	0.324		
PCB-35	ND	0.367			PCB-80	ND	0.283		
PCB-36	ND	0.355			PCB-81	ND	0.298		
PCB-37	ND	0.342			PCB-82	ND	1.08		
PCB-38	ND	0.371			PCB-83	ND	0.694		
PCB-39	ND	0.366			PCB-84/92	ND	0.994		
PCB-40	ND	0.551			PCB-85/116	ND	0.828		
PCB-41/64/71/72	ND	0.353			PCB-86	ND	1.12		
PCB-42/59	ND	0.382			PCB-87/117/125	ND	0.725		
PCB-43/49	ND	0.447			PCB-88/91	ND	1.04		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14	Date Received:	04-Jun-2015 10:28		
Project:	Stiller Pond	Sample Size:	13.4 g	QC Batch:	B5F0040	Date Extracted:	10-Jun-2015 11:18		
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	Date Analyzed :	13-Jun-15 16:39	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.07			PCB-136	ND	0.572		
PCB-90/101	ND	0.883			PCB-137	ND	0.642		
PCB-93	ND	1.10			PCB-138/163/164	ND	0.526		
PCB-94	ND	1.04			PCB-139/149	ND	0.750		
PCB-95/98/102	ND	0.910			PCB-140	ND	0.840		
PCB-96	ND	0.759			PCB-141	ND	0.654		
PCB-97	ND	0.889			PCB-144	ND	0.763		
PCB-99	ND	0.853			PCB-145	ND	0.597		
PCB-100	ND	0.860			PCB-146/165	ND	0.595		
PCB-103	ND	0.856			PCB-147	ND	0.838		
PCB-104	ND	0.656			PCB-148	ND	0.799		
PCB-105	ND	0.472			PCB-150	ND	0.579		
PCB-106/118	ND	0.618			PCB-151	ND	0.798		
PCB-107/109	ND	0.599			PCB-152	ND	0.559		
PCB-108/112	ND	0.820			PCB-153	ND		0.493	
PCB-110	ND	0.678			PCB-154	ND	0.733		
PCB-111/115	ND	0.621			PCB-155	ND	0.545		
PCB-113	ND	0.795			PCB-156	ND	0.449		
PCB-114	ND	0.532			PCB-157	ND	0.457		
PCB-119	ND	0.614			PCB-158/160	ND	0.491		
PCB-120	ND	0.581			PCB-159	ND	0.455		
PCB-121	ND	0.666			PCB-166	ND	0.487		
PCB-122	ND	0.633			PCB-167	ND	0.487		
PCB-123	ND	0.639			PCB-168	ND	0.474		
PCB-124	ND	0.614			PCB-169	ND	0.442		
PCB-126	ND	0.532			PCB-170	ND	0.369		
PCB-127	ND	0.551			PCB-171	ND	0.395		
PCB-128/162	ND	0.538			PCB-172	ND	0.425		
PCB-129	ND	0.733			PCB-173	ND	0.521		
PCB-130	ND	0.822			PCB-174	ND	0.446		
PCB-131	ND	0.761			PCB-175	ND	0.432		
PCB-132/161	ND	0.575			PCB-176	ND	0.311		
PCB-133/142	ND	0.708			PCB-177	ND	0.454		
PCB-134/143	ND	0.691			PCB-178	ND	0.421		
PCB-135	ND	0.819			PCB-179	ND	0.325		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	QC Batch:	B5F0040
				Date Analyzed :	13-Jun-15 16:39
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.397			Total octaCB	ND	0.837		
PCB-181	ND	0.426			Total nonaCB	ND	0.711		
PCB-182/187	ND	0.398			DecaCB	ND	0.467		
PCB-183	ND	0.370			Total PCB	ND			
PCB-184	ND	0.338							
PCB-185	ND	0.409							
PCB-186	ND	0.311							
PCB-188	ND	0.297							
PCB-189	ND	0.263							
PCB-190	ND	0.275							
PCB-191	ND	0.309							
PCB-192	ND	0.331							
PCB-193	ND	0.311							
PCB-194	ND	0.453							
PCB-195	ND	0.513							
PCB-196/203	ND	0.749							
PCB-197	ND	0.532							
PCB-198	ND	0.823							
PCB-199	ND	0.837							
PCB-200	ND	0.600							
PCB-201	ND	0.566							
PCB-202	ND	0.609							
PCB-204	ND	0.578							
PCB-205	ND	0.363							
PCB-206	ND	0.711							
PCB-207	ND	0.493							
PCB-208	ND	0.500							
PCB-209	ND	0.467							
Total monoCB	ND	1.04							
Total diCB	ND	3.17							
Total triCB	ND	0.436							
Total tetraCB	ND	0.551							
Total pentaCB	ND	1.12							
Total hexaCB	ND		0.493						
Total heptaCB	ND	0.521							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: LCR #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500497-14
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Jun-2015 10:28
Date Collected:	03-Jun-2015 11:25	% Solids:	75.9	QC Batch:	B5F0040
				Date Analyzed:	13-Jun-15 16:39
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	108	5 -145		13C-PCB-170	97.9	10 -145	
13C-PCB-3	102	5 -145		13C-PCB-180	94.1	10 -145	
13C-PCB-4	83.7	5 -145		13C-PCB-188	89.4	10 -145	
13C-PCB-11	90.3	5 -145		13C-PCB-189	101	10 -145	
13C-PCB-9	86.0	5 -145		13C-PCB-194	92.5	10 -145	
13C-PCB-19	103	5 -145		13C-PCB-202	94.1	10 -145	
13C-PCB-28	90.0	5 -145		13C-PCB-206	109	10 -145	
13C-PCB-32	104	5 -145		13C-PCB-208	79.7	10 -145	
13C-PCB-37	96.6	5 -145		13C-PCB-209	99.4	10 -145	
13C-PCB-47	93.7	5 -145		CRS 13C-PCB-79	94.9	10 -145	
13C-PCB-52	96.2	5 -145		13C-PCB-178	96.3	10 -145	
13C-PCB-54	82.3	5 -145					
13C-PCB-70	95.5	5 -145					
13C-PCB-77	93.0	10 -145					
13C-PCB-80	90.7	10 -145					
13C-PCB-81	92.6	10 -145					
13C-PCB-95	92.2	10 -145					
13C-PCB-97	95.8	10 -145					
13C-PCB-101	91.4	10 -145					
13C-PCB-104	90.8	10 -145					
13C-PCB-105	99.7	10 -145					
13C-PCB-114	92.8	10 -145					
13C-PCB-118	100	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	98.4	10 -145					
13C-PCB-138	93.2	10 -145					
13C-PCB-141	90.7	10 -145					
13C-PCB-153	90.3	10 -145					
13C-PCB-155	92.0	10 -145					
13C-PCB-156	98.7	10 -145					
13C-PCB-157	97.4	10 -145					
13C-PCB-159	94.8	10 -145					
13C-PCB-167	94.7	10 -145					
13C-PCB-169	102	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured Yes No

Laboratory Project ID: 1500497

Storage ID: WR-2

Temp: 1.4 °C

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Project I.D.: STILWAX POND P.O.# _____ Sampler: STEVEN PATTEN
(Name)

Invoice to: Name WALLA WALLA BASIN LANDFILL Company LOWBWC Address 810 S MAPU City MELTON-FREEWATER State OR Zip 97862 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 6-3-15 Time: 13:45 Received by: (Signature and Printed Name) UPS Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) UPS Date: _____ Time: _____ Received by: (Signature and Printed Name) Barbara Benedict Date: 6/04/15 Time: 1110

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: UPS
Tracking No.: _____

Container(s)		Add Analysis(es) Requested															
Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
SOIL #1	6-3-15	11:55	STILWAX POND	1	G	SO										X						
SOIL #2	6-3-15	12:00	STILWAX POND	1	G	SO										X						
SOIL #3	6-3-15	12:10	STILWAX POND	1	G	SO										X						
SOIL #4	6-3-15	12:15	STILWAX POND	1	G	SO										X						
SOIL #5	6-3-15	12:20	STILWAX POND	1	G	SO										X						
SOIL #6	6-3-15	12:25	STILWAX POND	1	G	SO										X						
SOIL #7	6-3-15	12:30	STILWAX POND	1	G	SD										X						
SOIL #8	6-3-15	12:35	STILWAX POND	1	G	SD										X						
SOIL #9	6-3-15	12:40	STILWAX POND	1	G	SD										X						
SOIL #10	6-3-15	12:45	STILWAX POND	1	G	SD										X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
 Company: LOWBWC
 Address: 810 S MAPU
 City: MELTON-FREEWATER State: OR Zip: 97862
 Phone: 541-938-2170 Fax: SAME
 Email: steven.patten@lowbwc.org
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate, O = Other _____



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY
 Storage Secured Yes No
 Laboratory Project ID: 1500497
 Storage ID: WR-2 Temp: 1.4 °C

TAT: (Check One):
 Standard: 21 Days
 Rush (surcharge may apply):
 14 days 7 days Specify: _____

Project I.D.: SOPR PRE-SAMPLE P.O.# _____ Sampler: STEVEN PATTEN
 (Name)

Invoice to: Name CHIES STREETS Company LWJBWC Address 810 S. MAIN ST City MELTON-FIREWATER State OR Zip 97662 Ph# 541-938-2170 Fax# _____
 Relinquished by: (Signature and Printed Name) STEVEN PATTEN Date: 6-30-15 Time: 13:45 Received by: (Signature and Printed Name) WPS Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) URS Date: _____ Time: _____ Received by: (Signature and Printed Name) Detta Benedict B. Benedict Date: 06/04/15 Time: 1100

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 • Fax (916) 673-0106
 Method of Shipment: _____
 Tracking No.: _____

Add Analysis(es) Requested
 EPA1613 EPA8290 EPA8280 EPA1668 EPA1614 CARB429

Container(s)		Add Analysis(es) Requested															
Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29		
LCR #1	6-3-15	11:05	SURFACE	1	G	SO																X	
LCR #2	6-3-15	11:10	PROJECT DEPTH	1	G	SO																	X
LCR #3	6-3-15	11:20	SURFACE	1	G	SO																	X
LCR #4	6-3-15	11:25	PROJECT DEPTH	1	G	SO																	X
L2 #1			SURFACE	1	G	SO																	X
L2 #2			PROJECT DEPTH	1	G	SO																	X
L2 #3			SURFACE	1	G	SO																	X
L2 #4			PROJECT DEPTH	1	G	SO																	X
GFID #1			SURFACE	1	G	SO																	X
GFID #2			PROJECT DEPTH	1	G	SO																	X

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
 Company: LWJBWC
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: 541-938-2170 Fax: _____
 Email: steven.patten@lwjbc.org
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other _____

Container Types: A = 1 Liter Amber, G = Glass Jar
 P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate,
 O = Other _____

WHITE - ORIGINAL

YELLOW - ARCHIVE

PINK - COPY

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1500497 TAT Std

Samples Arrival:	Date/Time	Initials:	Location:
	06/04/15 1028	UBB	WR-2
Logged In:	Date/Time	Initials:	Location:
	06/04/15 1245	UBB	WR-2
Delivered By:	FedEx	UPS	On Trac
			DHL
Preservation:	Ice	Blue Ice	Dry Ice
			None
Temp °C:	1.3 (uncorrected)	Time: 1109	Thermometer ID: IR-1
Temp °C:	1.4 (corrected)		

		YES	NO	NA
Adequate Sample Volume Received?		✓		
Holding Time Acceptable?		✓		
Shipping Container(s) Intact?		✓		
Shipping Custody Seals Intact?		✓		
Shipping Documentation Present?		✓		
Airbill	Trk # 1E 62E 3F7 01 0635 0966	✓		
Sample Container Intact?		✓		
Sample Custody Seals Intact?				✓
Chain of Custody / Sample Documentation Present?		✓		
COC Anomaly/Sample Acceptance Form completed?				✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				✓
Na ₂ S ₂ O ₃ Preservation Documented?	COC	Sample Container	None	
Shipping Container	Vista	Client	Retain	Return
				Dispose

Comments: Soil #1 sample label collection date/time omitted

Vista Work Order No. 1400373

Case Narrative

Sample Condition on Receipt:

Six aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	36
Certifications.....	37
Sample Receipt.....	38

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/ Containers
1400373-01	GW-126	20-May-14 10:55	21-May-14 10:00	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400373-02	S-609	20-May-14 10:10	21-May-14 10:00	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400373-03	S-227	20-May-14 11:25	21-May-14 10:00	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400373-04	Reser Intake	20-May-14 13:00	21-May-14 10:00	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400373-05	GW-148	20-May-14 12:45	21-May-14 10:00	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1400373-06	GW-149	20-May-14 12:00	21-May-14 10:00	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4E0070	Lab Sample: B4E0070-BLK1
Sample Size: 1.00 L	Date Extracted: 22-May-2014 7:40	Date Analyzed: 24-May-14 03:27 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	0.868			PCB-43/49	ND	0.513		
PCB-2	ND	0.880			PCB-44	ND	0.589		
PCB-3	ND	0.860			PCB-45	ND	0.575		
PCB-4/10	ND	0.675			PCB-46	ND	0.638		
PCB-5/8	ND	0.603			PCB-47	ND	0.497		
PCB-6	ND	0.607			PCB-48/75	ND	0.402		
PCB-7/9	ND	0.601			PCB-50	ND	0.516		
PCB-11	8.46			J	PCB-51	ND	0.476		
PCB-12/13	ND	0.586			PCB-52/69	1.70			J
PCB-14	ND	0.490			PCB-53	ND	0.470		
PCB-15	ND	0.573			PCB-54	ND	0.388		
PCB-16/32	ND		1.92		PCB-55	ND	0.359		
PCB-17	ND	0.340			PCB-56/60	ND		0.947	
PCB-18	ND		1.63		PCB-57	ND	0.332		
PCB-19	ND	0.359			PCB-58	ND	0.351		
PCB-20/21/33	ND	1.16			PCB-61/70	ND		0.933	
PCB-22	ND	1.10			PCB-62	ND	0.405		
PCB-23	ND	0.314			PCB-63	ND	0.339		
PCB-24/27	ND	0.257			PCB-65	ND	0.403		
PCB-25	ND	0.345			PCB-67	ND	0.367		
PCB-26	ND	0.359			PCB-68	ND	0.364		
PCB-28	2.12			J	PCB-73	ND	0.384		
PCB-29	ND	0.344			PCB-74	ND	0.309		
PCB-30	ND	0.239			PCB-76/66	ND	0.326		
PCB-31	2.06			J	PCB-77	ND	0.310		
PCB-34	ND	0.350			PCB-78	ND	0.355		
PCB-35	ND	0.979			PCB-79	ND	0.383		
PCB-36	ND	0.962			PCB-80	ND	0.321		
PCB-37	ND	1.04			PCB-81	ND	0.310		
PCB-38	ND	0.918			PCB-82	ND	1.06		
PCB-39	ND	0.928			PCB-83	ND	0.690		
PCB-40	ND	0.690			PCB-84/92	ND	1.00		
PCB-41/64/71/72	ND	0.406			PCB-85/116	ND	0.802		
PCB-42/59	ND	0.441			PCB-86	ND	1.06		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4E0070	Lab Sample: B4E0070-BLK1
Sample Size: 1.00 L	Date Extracted: 22-May-2014 7:40	Date Analyzed: 24-May-14 03:27 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.698			PCB-133/142	ND	0.909		
PCB-88/91	ND	1.02			PCB-134/143	ND	0.895		
PCB-89	ND	1.03			PCB-135	ND	1.92		
PCB-90/101	ND	0.875			PCB-136	ND	1.37		
PCB-93	ND	0.998			PCB-137	ND	0.761		
PCB-94	ND	1.01			PCB-138/163/164	1.28			J
PCB-95/98/102	2.72			J	PCB-139/149	ND	1.67		
PCB-96	ND	0.790			PCB-140	ND	1.91		
PCB-97	ND	0.860			PCB-141	ND	0.817		
PCB-99	ND	0.835			PCB-144	ND	1.79		
PCB-100	ND	0.854			PCB-145	ND	1.24		
PCB-103	ND	0.917			PCB-146/165	ND	0.697		
PCB-104	ND	0.670			PCB-147	ND	1.74		
PCB-105	ND	0.845			PCB-148	ND	1.73		
PCB-106/118	ND	0.645			PCB-150	ND	1.27		
PCB-107/109	ND	0.615			PCB-151	ND	1.86		
PCB-108/112	ND	0.831			PCB-152	ND	1.24		
PCB-110	ND		0.938		PCB-153	ND	0.707		
PCB-111/115	ND	0.619			PCB-154	ND	1.61		
PCB-113	ND	0.734			PCB-155	ND	1.18		
PCB-114	ND	0.854			PCB-156	ND	0.546		
PCB-119	ND	0.618			PCB-157	ND	0.605		
PCB-120	ND	0.605			PCB-158/160	ND	0.621		
PCB-121	ND	0.675			PCB-159	ND	0.644		
PCB-122	ND	0.951			PCB-166	ND	0.625		
PCB-123	ND	0.660			PCB-167	ND	0.566		
PCB-124	ND	0.588			PCB-168	ND	0.614		
PCB-126	ND	0.841			PCB-169	ND	0.481		
PCB-127	ND	0.877			PCB-170	ND	0.600		
PCB-128/162	ND	0.709			PCB-171	ND	0.636		
PCB-129	ND	0.913			PCB-172	ND	0.711		
PCB-130	ND	0.887			PCB-173	ND	0.758		
PCB-131	ND	0.952			PCB-174	ND	0.632		
PCB-132/161	ND	0.739			PCB-175	ND	0.867		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4E0070	Lab Sample: B4E0070-BLK1
Sample Size: 1.00 L	Date Extracted: 22-May-2014 7:40	Date Analyzed: 24-May-14 03:27 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.631			Total triCB	4.18		7.73	
PCB-177	ND	0.682			Total tetraCB	1.70		3.58	J
PCB-178	ND	0.919			Total pentaCB	2.72		3.66	J
PCB-179	ND	0.652			Total hexaCB	1.28			J
PCB-180	ND	0.622			Total heptaCB	ND	0.919		
PCB-181	ND	0.614			Total octaCB	ND	1.23		
PCB-182/187	ND	0.805			Total nonaCB	ND	0.584		
PCB-183	ND	0.783			DecaCB	ND	0.585		
PCB-184	ND	0.678			Total PCB	18.3			
PCB-185	ND	0.634							
PCB-186	ND	0.634							
PCB-188	ND	0.581							
PCB-189	ND	0.338							
PCB-190	ND	0.429							
PCB-191	ND	0.519							
PCB-192	ND	0.543							
PCB-193	ND	0.506							
PCB-194	ND	0.432							
PCB-195	ND	0.433							
PCB-196/203	ND	1.09							
PCB-197	ND	0.855							
PCB-198	ND	1.23							
PCB-199	ND	1.14							
PCB-200	ND	0.886							
PCB-201	ND	0.836							
PCB-202	ND	0.850							
PCB-204	ND	0.901							
PCB-205	ND	0.359							
PCB-206	ND	0.584							
PCB-207	ND	0.333							
PCB-208	ND	0.321							
PCB-209	ND	0.585							
Total monoCB	ND	0.880							
Total diCB	8.46			J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B4E0070	Lab Sample: B4E0070-BLK1
Sample Size: 1.00 L	Date Extracted: 22-May-2014 7:40	Date Analyzed: 24-May-14 03:27 Column: ZB-1 Analyst: ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	74.2	5 - 145		13C-PCB-157	100	10 - 145	
13C-PCB-3	85.0	5 - 145		13C-PCB-159	90.1	10 - 145	
13C-PCB-4	67.7	5 - 145		13C-PCB-167	96.4	10 - 145	
13C-PCB-11	78.7	5 - 145		13C-PCB-169	128	10 - 145	
13C-PCB-9	65.8	5 - 145		13C-PCB-170	92.7	10 - 145	
13C-PCB-19	80.9	5 - 145		13C-PCB-180	85.7	10 - 145	
13C-PCB-28	80.8	5 - 145		13C-PCB-188	63.9	10 - 145	
13C-PCB-32	81.9	5 - 145		13C-PCB-189	104	10 - 145	
13C-PCB-37	108	5 - 145		13C-PCB-194	92.3	10 - 145	
13C-PCB-47	78.1	5 - 145		13C-PCB-202	63.5	10 - 145	
13C-PCB-52	80.6	5 - 145		13C-PCB-206	74.0	10 - 145	
13C-PCB-54	73.5	5 - 145		13C-PCB-208	67.7	10 - 145	
13C-PCB-70	88.6	5 - 145		13C-PCB-209	59.7	10 - 145	
13C-PCB-77	115	10 - 145		CRS 13C-PCB-79	112	10 - 145	
13C-PCB-80	87.5	10 - 145		13C-PCB-178	86.1	10 - 145	
13C-PCB-81	104	10 - 145					
13C-PCB-95	83.8	10 - 145					
13C-PCB-97	91.2	10 - 145					
13C-PCB-101	88.3	10 - 145					
13C-PCB-104	80.3	10 - 145					
13C-PCB-105	93.4	10 - 145					
13C-PCB-114	88.9	10 - 145					
13C-PCB-118	100	10 - 145					
13C-PCB-123	106	10 - 145					
13C-PCB-126	115	10 - 145					
13C-PCB-127	102	10 - 145					
13C-PCB-138	87.0	10 - 145					
13C-PCB-141	87.4	10 - 145					
13C-PCB-153	82.4	10 - 145					
13C-PCB-155	68.4	10 - 145					
13C-PCB-156	102	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0070
Date Extracted: 22-May-2014 7:40

Lab Sample: B4E0070-BS1
Date Analyzed: 24-May-14 01:20 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	899	1000	89.9	60 - 135	IS 13C-PCB-1	66.5	15 - 145
PCB-3	877	1000	87.7	60 - 135	IS 13C-PCB-3	79.1	15 - 145
PCB-4/10	4340	4000	108	60 - 135	IS 13C-PCB-4	63.8	15 - 145
PCB-15	2400	2000	120	60 - 135	IS 13C-PCB-11	73.4	15 - 145
PCB-19	1050	1000	105	60 - 135	IS 13C-PCB-9	62.2	15 - 145
PCB-37	1300	1000	130	60 - 135	IS 13C-PCB-19	72.1	15 - 145
PCB-54	1120	1000	112	60 - 135	IS 13C-PCB-28	89.5	15 - 145
PCB-77	1000	1000	100	60 - 135	IS 13C-PCB-32	73.3	15 - 145
PCB-81	990	1000	99.0	60 - 135	IS 13C-PCB-37	99.4	15 - 145
PCB-104	1090	1000	109	60 - 135	IS 13C-PCB-47	73.5	15 - 145
PCB-105	1050	1000	105	60 - 135	IS 13C-PCB-52	72.9	15 - 145
PCB-106/118	2150	2000	107	60 - 135	IS 13C-PCB-54	68.6	15 - 145
PCB-114	1070	1000	107	60 - 135	IS 13C-PCB-70	83.0	15 - 145
PCB-126	1030	1000	103	60 - 135	IS 13C-PCB-77	109	40 - 145
PCB-155	1080	1000	108	60 - 135	IS 13C-PCB-80	83.6	40 - 145
PCB-156	955	1000	95.5	60 - 135	IS 13C-PCB-81	102	40 - 145
PCB-157	982	1000	98.2	60 - 135	IS 13C-PCB-95	81.1	40 - 145
PCB-167	952	1000	95.2	60 - 135	IS 13C-PCB-97	86.7	40 - 145
PCB-169	961	1000	96.1	60 - 135	IS 13C-PCB-101	84.2	40 - 145
PCB-188	1090	1000	109	60 - 135	IS 13C-PCB-104	77.2	40 - 145
PCB-189	1040	1000	104	60 - 135	IS 13C-PCB-105	89.4	40 - 145
PCB-202	1030	1000	103	60 - 135	IS 13C-PCB-114	85.8	40 - 145
PCB-205	1040	1000	104	60 - 135	IS 13C-PCB-118	98.5	40 - 145
PCB-206	989	1000	98.9	60 - 135	IS 13C-PCB-123	103	40 - 145
PCB-208	1030	1000	103	60 - 135	IS 13C-PCB-126	112	40 - 145
PCB-209	1030	1000	103	60 - 135	IS 13C-PCB-127	96.2	40 - 145
					IS 13C-PCB-138	82.6	40 - 145
					IS 13C-PCB-141	81.1	40 - 145
					IS 13C-PCB-153	77.5	40 - 145
					IS 13C-PCB-155	65.1	40 - 145
					IS 13C-PCB-156	94.8	40 - 145
					IS 13C-PCB-157	94.2	40 - 145
					IS 13C-PCB-159	86.6	40 - 145
					IS 13C-PCB-167	91.3	40 - 145
					IS 13C-PCB-169	120	40 - 145
					IS 13C-PCB-170	87.3	40 - 145
					IS 13C-PCB-180	79.0	40 - 145
					IS 13C-PCB-188	58.0	40 - 145
					IS 13C-PCB-189	97.7	40 - 145
					IS 13C-PCB-194	87.4	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B4E0070
Date Extracted: 22-May-2014 7:40

Lab Sample: B4E0070-BS1
Date Analyzed: 24-May-14 01:20 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	58.1	40 - 145
					IS 13C-PCB-206	69.1	40 - 145
					IS 13C-PCB-208	59.9	40 - 145
					IS 13C-PCB-209	52.7	40 - 145
					CRS 13C-PCB-79	102	40 - 145
					CRS 13C-PCB-178	78.6	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-126

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-01	Date Received:	21-May-2014 10:00		
Project:	WA Pre Sampling	Sample Size:	0.971 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40		
Date Collected:	20-May-2014 10:55			Date Analyzed :	24-May-14 04:31	Column:	ZB-1	Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	27.3				PCB-44	21.1			
PCB-2	2.13			J	PCB-45	9.03			
PCB-3	10.7				PCB-46	3.86			J
PCB-4/10	69.8				PCB-47	4.65			J
PCB-5/8	172				PCB-48/75	5.03			J
PCB-6	33.3				PCB-50	ND	0.568		
PCB-7/9	16.0			J	PCB-51	2.00			J
PCB-11	26.6			B	PCB-52/69	20.1			B
PCB-12/13	13.6			J	PCB-53	6.11			
PCB-14	ND	3.20			PCB-54	ND	0.427		
PCB-15	63.3				PCB-55	ND	0.375		
PCB-16/32	80.0				PCB-56/60	4.32			J
PCB-17	40.3				PCB-57	ND	0.352		
PCB-18	121				PCB-58	ND	0.372		
PCB-19	13.2				PCB-61/70	8.69			J
PCB-20/21/33	75.5				PCB-62	ND	0.438		
PCB-22	39.3				PCB-63	ND	0.360		
PCB-23	ND	1.12			PCB-65	ND	0.436		
PCB-24/27	9.53			J	PCB-67	ND	0.389		
PCB-25	8.11				PCB-68	ND	0.394		
PCB-26	19.9				PCB-73	ND	0.417		
PCB-28	77.7			B	PCB-74	2.50			J
PCB-29	ND	1.23			PCB-76/66	4.99			J
PCB-30	ND	0.343			PCB-77	0.503			J
PCB-31	106			B	PCB-78	ND	0.355		
PCB-34	ND	1.25			PCB-79	ND	0.400		
PCB-35	ND	1.08			PCB-80	ND	0.335		
PCB-36	ND	1.07			PCB-81	ND	0.309		
PCB-37	16.8				PCB-82	ND	1.64		
PCB-38	ND	1.02			PCB-83	ND	1.20		
PCB-39	ND	1.03			PCB-84/92	3.15			J
PCB-40	6.43				PCB-85/116	ND	1.39		
PCB-41/64/71/72	17.4			J	PCB-86	ND	1.85		
PCB-42/59	7.64			J	PCB-87/117/125	ND	1.21		
PCB-43/49	13.5				PCB-88/91	ND	1.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-126

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-01
Project:	WA Pre Sampling	Sample Size:	0.971 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 10:55			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 04:31
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.72			PCB-136	ND	1.69		
PCB-90/101	3.99			J	PCB-137	ND	1.51		
PCB-93	ND	1.58			PCB-138/163/164	ND	1.31		
PCB-94	ND	1.60			PCB-139/149	ND	2.06		
PCB-95/98/102	ND		2.99		PCB-140	ND	2.36		
PCB-96	ND	1.30			PCB-141	ND	1.62		
PCB-97	ND	1.49			PCB-144	ND	2.22		
PCB-99	ND	1.39			PCB-145	ND	1.53		
PCB-100	ND	1.41			PCB-146/165	ND	1.40		
PCB-103	ND	1.51			PCB-147	ND	2.16		
PCB-104	ND	1.10			PCB-148	ND	2.14		
PCB-105	ND	0.763			PCB-150	ND	1.57		
PCB-106/118	ND	1.03			PCB-151	ND	2.30		
PCB-107/109	ND	0.950			PCB-152	ND	1.54		
PCB-108/112	ND	1.44			PCB-153	ND	1.42		
PCB-110	4.03			J	PCB-154	ND	1.99		
PCB-111/115	ND	1.07			PCB-155	ND	1.47		
PCB-113	ND	1.22			PCB-156	ND	1.09		
PCB-114	ND	0.810			PCB-157	ND	1.20		
PCB-119	ND	1.07			PCB-158/160	ND	1.27		
PCB-120	ND	1.05			PCB-159	ND	1.22		
PCB-121	ND	1.07			PCB-166	ND	1.18		
PCB-122	ND	0.901			PCB-167	ND	1.16		
PCB-123	ND	1.02			PCB-168	ND	1.23		
PCB-124	ND	0.908			PCB-169	ND	0.970		
PCB-126	ND	0.773			PCB-170	ND	0.594		
PCB-127	ND	0.845			PCB-171	ND	0.637		
PCB-128/162	ND	1.34			PCB-172	ND	0.711		
PCB-129	ND	1.86			PCB-173	ND	0.759		
PCB-130	ND	1.76			PCB-174	ND	0.633		
PCB-131	ND	1.91			PCB-175	ND	0.872		
PCB-132/161	ND	1.48			PCB-176	ND	0.634		
PCB-133/142	ND	1.82			PCB-177	ND	0.683		
PCB-134/143	ND	1.80			PCB-178	ND	0.923		
PCB-135	ND	2.37			PCB-179	ND	0.655		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-126

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-01
Project:	WA Pre Sampling	Sample Size:	0.971 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 10:55			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 04:31
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.623			Total octaCB	ND	1.60		
PCB-181	ND	0.615			Total nonaCB	ND	0.572		
PCB-182/187	ND	0.809			DecaCB	ND	1.60		
PCB-183	ND	0.787			Total PCB	1190			B
PCB-184	ND	0.681							
PCB-185	ND	0.635							
PCB-186	ND	0.637							
PCB-188	ND	0.582							
PCB-189	ND	0.352							
PCB-190	ND	0.424							
PCB-191	ND	0.519							
PCB-192	ND	0.544							
PCB-193	ND	0.506							
PCB-194	ND	0.473							
PCB-195	ND	0.477							
PCB-196/203	ND	1.43							
PCB-197	ND	1.12							
PCB-198	ND	1.60							
PCB-199	ND	1.49							
PCB-200	ND	1.16							
PCB-201	ND	1.09							
PCB-202	ND	1.11							
PCB-204	ND	1.18							
PCB-205	ND	0.394							
PCB-206	ND	0.572							
PCB-207	ND	0.308							
PCB-208	ND	0.297							
PCB-209	ND	1.60							
Total monoCB	40.2								
Total diCB	395			B					
Total triCB	608			B					
Total tetraCB	138			B					
Total pentaCB	11.2		14.2	B					
Total hexaCB	ND	2.37							
Total heptaCB	ND	0.923							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-126

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-01
Project:	WA Pre Sampling	Sample Size:	0.971 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 10:55			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 04:31
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	71.3	5 -145		13C-PCB-170	94.4	10 -145	
13C-PCB-3	80.8	5 -145		13C-PCB-180	84.8	10 -145	
13C-PCB-4	64.6	5 -145		13C-PCB-188	63.8	10 -145	
13C-PCB-11	74.7	5 -145		13C-PCB-189	105	10 -145	
13C-PCB-9	62.5	5 -145		13C-PCB-194	93.2	10 -145	
13C-PCB-19	73.6	5 -145		13C-PCB-202	63.3	10 -145	
13C-PCB-28	79.0	5 -145		13C-PCB-206	71.7	10 -145	
13C-PCB-32	77.0	5 -145		13C-PCB-208	67.8	10 -145	
13C-PCB-37	103	5 -145		13C-PCB-209	58.2	10 -145	
13C-PCB-47	76.6	5 -145		CRS 13C-PCB-79	117	10 -145	
13C-PCB-52	75.0	5 -145		13C-PCB-178	87.0	10 -145	
13C-PCB-54	70.1	5 -145					
13C-PCB-70	89.8	5 -145					
13C-PCB-77	113	10 -145					
13C-PCB-80	89.8	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	84.9	10 -145					
13C-PCB-97	91.4	10 -145					
13C-PCB-101	89.0	10 -145					
13C-PCB-104	80.4	10 -145					
13C-PCB-105	94.2	10 -145					
13C-PCB-114	91.0	10 -145					
13C-PCB-118	103	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	118	10 -145					
13C-PCB-127	104	10 -145					
13C-PCB-138	87.7	10 -145					
13C-PCB-141	86.3	10 -145					
13C-PCB-153	82.9	10 -145					
13C-PCB-155	71.2	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	102	10 -145					
13C-PCB-159	92.9	10 -145					
13C-PCB-167	97.4	10 -145					
13C-PCB-169	129	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-609

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-02
Project:	WA Pre Sampling	Sample Size:	0.971 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 10:10			QC Batch:	B4E0070
				Date Analyzed:	24-May-14 05:34
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-44	ND	0.986		
PCB-2	ND	1.06			PCB-45	ND	0.935		
PCB-3	ND	1.04			PCB-46	ND	1.03		
PCB-4/10	ND	3.03			PCB-47	ND	0.833		
PCB-5/8	ND	2.66			PCB-48/75	ND	0.673		
PCB-6	ND	2.68			PCB-50	ND	0.768		
PCB-7/9	ND	2.65			PCB-51	ND	0.773		
PCB-11	7.74			J, B	PCB-52/69	3.01			J, B
PCB-12/13	ND	2.65			PCB-53	ND	0.764		
PCB-14	ND	2.22			PCB-54	ND	0.578		
PCB-15	ND	2.59			PCB-55	ND	0.585		
PCB-16/32	ND		1.69		PCB-56/60	ND	0.621		
PCB-17	ND	0.680			PCB-57	ND	0.549		
PCB-18	ND		1.58		PCB-58	ND	0.580		
PCB-19	ND	0.753			PCB-61/70	ND		1.41	
PCB-20/21/33	ND	0.976			PCB-62	ND	0.678		
PCB-22	ND	0.926			PCB-63	ND	0.561		
PCB-23	ND	0.910			PCB-65	ND	0.675		
PCB-24/27	ND	0.513			PCB-67	ND	0.607		
PCB-25	ND	0.998			PCB-68	ND	0.610		
PCB-26	ND	1.04			PCB-73	ND	0.624		
PCB-28	2.44			J, B	PCB-74	0.936			J
PCB-29	ND	0.995			PCB-76/66	1.10			J
PCB-30	ND	0.502			PCB-77	ND	0.536		
PCB-31	ND		1.96		PCB-78	ND	0.532		
PCB-34	ND	1.01			PCB-79	ND	0.624		
PCB-35	ND	1.03			PCB-80	ND	0.523		
PCB-36	ND	1.01			PCB-81	ND	0.464		
PCB-37	ND	1.10			PCB-82	ND	1.50		
PCB-38	ND	0.968			PCB-83	ND	1.07		
PCB-39	ND	0.978			PCB-84/92	ND	1.44		
PCB-40	ND	1.16			PCB-85/116	ND	1.24		
PCB-41/64/71/72	ND	0.679			PCB-86	ND	1.65		
PCB-42/59	ND	0.738			PCB-87/117/125	ND	1.08		
PCB-43/49	ND	0.833			PCB-88/91	ND	1.45		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-609

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-02
Project:	WA Pre Sampling	Sample Size:	0.971 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 10:10			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 05:34
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.48			PCB-136	ND	1.00		
PCB-90/101	ND	1.26			PCB-137	ND	0.516		
PCB-93	ND	1.41			PCB-138/163/164	1.33			J, B
PCB-94	ND	1.43			PCB-139/149	ND	1.22		
PCB-95/98/102	1.56			J, B	PCB-140	ND	1.40		
PCB-96	ND	1.16			PCB-141	ND	0.554		
PCB-97	ND	1.33			PCB-144	ND	1.31		
PCB-99	ND	1.20			PCB-145	ND	0.905		
PCB-100	ND	1.25			PCB-146/165	ND	0.437		
PCB-103	ND	1.34			PCB-147	ND	1.28		
PCB-104	ND	0.981			PCB-148	ND	1.27		
PCB-105	ND	0.541			PCB-150	ND	0.930		
PCB-106/118	0.883			J	PCB-151	ND	1.36		
PCB-107/109	ND	0.870			PCB-152	ND	0.909		
PCB-108/112	ND	1.29			PCB-153	1.10			J
PCB-110	1.81			J	PCB-154	ND	1.18		
PCB-111/115	ND	0.960			PCB-155	ND	0.867		
PCB-113	ND	1.06			PCB-156	ND	0.344		
PCB-114	ND	0.587			PCB-157	ND	0.370		
PCB-119	ND	0.958			PCB-158/160	ND	0.425		
PCB-120	ND	0.938			PCB-159	ND	0.401		
PCB-121	ND	0.957			PCB-166	ND	0.389		
PCB-122	ND	0.652			PCB-167	ND	0.383		
PCB-123	ND	0.933			PCB-168	ND	0.385		
PCB-124	ND	0.832			PCB-169	ND	0.320		
PCB-126	ND	0.595			PCB-170	ND	0.518		
PCB-127	ND	0.620			PCB-171	ND	0.494		
PCB-128/162	ND	0.441			PCB-172	ND	0.551		
PCB-129	ND	0.624			PCB-173	ND	0.589		
PCB-130	ND	0.601			PCB-174	ND	0.491		
PCB-131	ND	0.597			PCB-175	ND	0.714		
PCB-132/161	ND	0.462			PCB-176	ND	0.520		
PCB-133/142	ND	0.570			PCB-177	ND	0.530		
PCB-134/143	ND	0.562			PCB-178	ND	0.756		
PCB-135	ND	1.41			PCB-179	ND	0.537		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-609

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-02	Date Received:	21-May-2014 10:00		
Project:	WA Pre Sampling	Sample Size:	0.971 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40		
Date Collected:	20-May-2014 10:10			Date Analyzed:	24-May-14 05:34	Column:	ZB-1	Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.483			Total octaCB	ND	1.30		
PCB-181	ND	0.477			Total nonaCB	ND	0.657		
PCB-182/187	ND	0.662			DecaCB	ND	0.851		
PCB-183	ND	0.645			Total PCB	21.9			B
PCB-184	ND	0.558							
PCB-185	ND	0.492							
PCB-186	ND	0.522							
PCB-188	ND	0.479							
PCB-189	ND	0.303							
PCB-190	ND	0.370							
PCB-191	ND	0.403							
PCB-192	ND	0.422							
PCB-193	ND	0.393							
PCB-194	ND	0.573							
PCB-195	ND	0.573							
PCB-196/203	ND	1.16							
PCB-197	ND	0.908							
PCB-198	ND	1.30							
PCB-199	ND	1.21							
PCB-200	ND	0.940							
PCB-201	ND	0.887							
PCB-202	ND	0.902							
PCB-204	ND	0.956							
PCB-205	ND	0.476							
PCB-206	ND	0.657							
PCB-207	ND	0.367							
PCB-208	ND	0.354							
PCB-209	ND	0.851							
Total monoCB	ND	1.08							
Total diCB	7.74			J, B					
Total triCB	2.44		7.67	B					
Total tetraCB	5.04		6.45	B					
Total pentaCB	4.25			J, B					
Total hexaCB	2.43			J, B					
Total heptaCB	ND	0.756							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-609

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-02	Date Received:	21-May-2014 10:00
Project:	WA Pre Sampling	Sample Size:	0.971 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40
Date Collected:	20-May-2014 10:10			Date Analyzed:	24-May-14 05:34	Column:	ZB-1
				Analyst:	ANP		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	76.9	5 -145		13C-PCB-170	91.1	10 -145	
13C-PCB-3	88.1	5 -145		13C-PCB-180	83.6	10 -145	
13C-PCB-4	68.8	5 -145		13C-PCB-188	62.2	10 -145	
13C-PCB-11	79.2	5 -145		13C-PCB-189	104	10 -145	
13C-PCB-9	67.1	5 -145		13C-PCB-194	92.8	10 -145	
13C-PCB-19	80.8	5 -145		13C-PCB-202	62.1	10 -145	
13C-PCB-28	89.1	5 -145		13C-PCB-206	73.5	10 -145	
13C-PCB-32	83.7	5 -145		13C-PCB-208	68.0	10 -145	
13C-PCB-37	107	5 -145		13C-PCB-209	56.8	10 -145	
13C-PCB-47	77.7	5 -145		CRS 13C-PCB-79	106	10 -145	
13C-PCB-52	79.3	5 -145		13C-PCB-178	82.2	10 -145	
13C-PCB-54	74.8	5 -145					
13C-PCB-70	88.7	5 -145					
13C-PCB-77	111	10 -145					
13C-PCB-80	88.8	10 -145					
13C-PCB-81	103	10 -145					
13C-PCB-95	83.7	10 -145					
13C-PCB-97	91.3	10 -145					
13C-PCB-101	89.2	10 -145					
13C-PCB-104	80.9	10 -145					
13C-PCB-105	90.9	10 -145					
13C-PCB-114	85.0	10 -145					
13C-PCB-118	103	10 -145					
13C-PCB-123	108	10 -145					
13C-PCB-126	114	10 -145					
13C-PCB-127	98.8	10 -145					
13C-PCB-138	85.5	10 -145					
13C-PCB-141	84.7	10 -145					
13C-PCB-153	81.0	10 -145					
13C-PCB-155	71.0	10 -145					
13C-PCB-156	98.2	10 -145					
13C-PCB-157	97.9	10 -145					
13C-PCB-159	91.0	10 -145					
13C-PCB-167	95.5	10 -145					
13C-PCB-169	124	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-227

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-03
Project:	WA Pre Sampling	Sample Size:	0.991 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 11:25			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 06:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.32			PCB-44	1.87			J
PCB-2	ND	1.31			PCB-45	ND	1.62		
PCB-3	ND	1.28			PCB-46	ND	1.79		
PCB-4/10	ND	8.40			PCB-47	ND		2.45	
PCB-5/8	ND	7.39			PCB-48/75	ND	1.16		
PCB-6	ND	7.43			PCB-50	ND	1.47		
PCB-7/9	ND	7.34			PCB-51	ND	1.34		
PCB-11	9.40			J, B	PCB-52/69	2.12			J, B
PCB-12/13	ND	7.68			PCB-53	ND	1.32		
PCB-14	ND	6.42			PCB-54	ND	1.11		
PCB-15	ND	7.50			PCB-55	ND	0.905		
PCB-16/32	ND	1.21			PCB-56/60	ND	0.960		
PCB-17	ND	0.981			PCB-57	ND	0.927		
PCB-18	ND	1.50			PCB-58	ND	0.980		
PCB-19	ND	1.06			PCB-61/70	1.84			J
PCB-20/21/33	ND	1.51			PCB-62	ND	1.17		
PCB-22	ND	0.888			PCB-63	ND	0.948		
PCB-23	ND	0.872			PCB-65	ND	1.17		
PCB-24/27	ND	0.740			PCB-67	ND	1.02		
PCB-25	ND	0.957			PCB-68	1.33			J
PCB-26	ND	0.997			PCB-73	ND	1.08		
PCB-28	1.64			J, B	PCB-74	ND	0.862		
PCB-29	ND	0.954			PCB-76/66	ND	0.911		
PCB-30	ND	0.705			PCB-77	ND	0.863		
PCB-31	ND		1.62		PCB-78	ND	0.962		
PCB-34	ND	0.971			PCB-79	ND	0.965		
PCB-35	ND	0.881			PCB-80	ND	0.809		
PCB-36	ND	0.866			PCB-81	ND	0.838		
PCB-37	ND	0.940			PCB-82	ND	3.04		
PCB-38	ND	0.826			PCB-83	ND	2.20		
PCB-39	ND	0.835			PCB-84/92	ND	3.02		
PCB-40	ND	2.00			PCB-85/116	ND	2.55		
PCB-41/64/71/72	1.30			J	PCB-86	ND	3.39		
PCB-42/59	ND	1.28			PCB-87/117/125	ND	2.22		
PCB-43/49	ND	1.44			PCB-88/91	ND	3.16		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-227

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-03
Project:	WA Pre Sampling	Sample Size:	0.991 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 11:25			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 06:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	3.10			PCB-136	ND	2.09		
PCB-90/101	3.21			J	PCB-137	ND	1.27		
PCB-93	ND	3.08			PCB-138/163/164	2.44			J, B
PCB-94	ND	3.11			PCB-139/149	ND		1.82	
PCB-95/98/102	1.62			J, B	PCB-140	ND	2.92		
PCB-96	ND	2.45			PCB-141	ND	1.36		
PCB-97	ND	2.74			PCB-144	ND	2.74		
PCB-99	ND	2.51			PCB-145	ND	1.89		
PCB-100	ND	2.65			PCB-146/165	ND	1.06		
PCB-103	ND	2.84			PCB-147	ND	2.67		
PCB-104	ND	2.08			PCB-148	ND	2.65		
PCB-105	ND		0.616		PCB-150	ND	1.94		
PCB-106/118	1.76			J	PCB-151	ND	2.85		
PCB-107/109	ND	1.77			PCB-152	ND	1.90		
PCB-108/112	ND	2.65			PCB-153	1.85			J
PCB-110	2.37			J	PCB-154	ND	2.47		
PCB-111/115	ND	1.97			PCB-155	ND	1.81		
PCB-113	ND	2.21			PCB-156	ND	0.813		
PCB-114	ND	1.36			PCB-157	ND	0.917		
PCB-119	ND	1.97			PCB-158/160	ND	0.973		
PCB-120	ND	1.93			PCB-159	ND	0.979		
PCB-121	ND	2.09			PCB-166	ND	0.949		
PCB-122	ND	1.51			PCB-167	ND	0.879		
PCB-123	ND	1.89			PCB-168	ND	0.938		
PCB-124	ND	1.69			PCB-169	ND	0.810		
PCB-126	ND	1.30			PCB-170	ND	0.822		
PCB-127	ND	1.29			PCB-171	ND	0.793		
PCB-128/162	ND	1.08			PCB-172	ND	0.886		
PCB-129	ND	1.43			PCB-173	ND	0.945		
PCB-130	ND	1.48			PCB-174	ND	0.788		
PCB-131	ND	1.46			PCB-175	ND	1.07		
PCB-132/161	ND	1.13			PCB-176	ND	0.778		
PCB-133/142	ND	1.39			PCB-177	ND	0.850		
PCB-134/143	ND	1.37			PCB-178	ND	1.13		
PCB-135	ND	2.94			PCB-179	ND	0.805		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-227

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-03
Project:	WA Pre Sampling	Sample Size:	0.991 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 11:25			QC Batch:	B4E0070
				Date Analyzed:	24-May-14 06:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		0.664		Total octaCB	ND	2.01		
PCB-181	ND	0.765			Total nonaCB	0.773			J
PCB-182/187	ND	0.993			DecaCB	1.76			J
PCB-183	ND	0.966			Total PCB	35.3			B
PCB-184	ND	0.836							
PCB-185	ND	0.790							
PCB-186	ND	0.782							
PCB-188	ND	0.717							
PCB-189	ND	0.486							
PCB-190	ND	0.587							
PCB-191	ND	0.647							
PCB-192	ND	0.677							
PCB-193	ND	0.630							
PCB-194	ND	0.815							
PCB-195	ND	0.817							
PCB-196/203	ND	1.79							
PCB-197	ND	1.40							
PCB-198	ND	2.01							
PCB-199	ND	1.87							
PCB-200	ND	1.45							
PCB-201	ND	1.37							
PCB-202	ND	1.39							
PCB-204	ND	1.48							
PCB-205	ND	0.677							
PCB-206	ND	1.18							
PCB-207	ND	0.629							
PCB-208	0.773			J					
PCB-209	1.76			J					
Total monoCB	ND	1.32							
Total diCB	9.40			J, B					
Total triCB	1.64		3.26	J, B					
Total tetraCB	8.46		10.9	B					
Total pentaCB	8.96		9.57	B					
Total hexaCB	4.28		6.10	B					
Total heptaCB	ND		0.664	J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: S-227

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-03
Project:	WA Pre Sampling	Sample Size:	0.991 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 11:25			QC Batch:	B4E0070
				Date Analyzed:	24-May-14 06:38
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	80.4	5 -145		13C-PCB-170	98.1	10 -145	
13C-PCB-3	93.1	5 -145		13C-PCB-180	90.4	10 -145	
13C-PCB-4	72.0	5 -145		13C-PCB-188	68.7	10 -145	
13C-PCB-11	81.9	5 -145		13C-PCB-189	109	10 -145	
13C-PCB-9	69.8	5 -145		13C-PCB-194	96.6	10 -145	
13C-PCB-19	83.3	5 -145		13C-PCB-202	67.5	10 -145	
13C-PCB-28	86.7	5 -145		13C-PCB-206	78.0	10 -145	
13C-PCB-32	85.6	5 -145		13C-PCB-208	71.5	10 -145	
13C-PCB-37	103	5 -145		13C-PCB-209	63.6	10 -145	
13C-PCB-47	80.7	5 -145		CRS 13C-PCB-79	113	10 -145	
13C-PCB-52	82.0	5 -145		13C-PCB-178	87.2	10 -145	
13C-PCB-54	75.4	5 -145					
13C-PCB-70	93.6	5 -145					
13C-PCB-77	117	10 -145					
13C-PCB-80	92.6	10 -145					
13C-PCB-81	108	10 -145					
13C-PCB-95	88.5	10 -145					
13C-PCB-97	95.7	10 -145					
13C-PCB-101	92.0	10 -145					
13C-PCB-104	85.1	10 -145					
13C-PCB-105	98.0	10 -145					
13C-PCB-114	94.8	10 -145					
13C-PCB-118	107	10 -145					
13C-PCB-123	114	10 -145					
13C-PCB-126	122	10 -145					
13C-PCB-127	108	10 -145					
13C-PCB-138	90.8	10 -145					
13C-PCB-141	90.4	10 -145					
13C-PCB-153	86.6	10 -145					
13C-PCB-155	75.9	10 -145					
13C-PCB-156	107	10 -145					
13C-PCB-157	104	10 -145					
13C-PCB-159	97.2	10 -145					
13C-PCB-167	101	10 -145					
13C-PCB-169	134	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Reser Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-04
Project:	WA Pre Sampling	Sample Size:	0.962 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 13:00			QC Batch:	B4E0070
				Date Analyzed:	24-May-14 07:42
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.22			PCB-44	2.31			J
PCB-2	ND	1.20			PCB-45	ND	1.28		
PCB-3	ND	1.17			PCB-46	ND	1.42		
PCB-4/10	ND	7.51			PCB-47	1.30			J
PCB-5/8	ND	6.65			PCB-48/75	ND	0.899		
PCB-6	ND	6.68			PCB-50	ND	1.11		
PCB-7/9	ND	6.60			PCB-51	ND	1.06		
PCB-11	8.40			J, B	PCB-52/69	ND		2.76	
PCB-12/13	ND	6.78			PCB-53	ND	1.05		
PCB-14	ND	5.67			PCB-54	ND	0.839		
PCB-15	ND	6.62			PCB-55	ND	0.744		
PCB-16/32	2.71			J	PCB-56/60	1.22			J
PCB-17	1.43			J	PCB-57	ND	0.747		
PCB-18	3.15			J	PCB-58	ND	0.790		
PCB-19	ND	0.793			PCB-61/70	2.32			J
PCB-20/21/33	3.37			J	PCB-62	ND	0.906		
PCB-22	2.13			J	PCB-63	ND	0.764		
PCB-23	ND	0.811			PCB-65	ND	0.901		
PCB-24/27	ND	0.556			PCB-67	ND	0.825		
PCB-25	ND	0.890			PCB-68	ND	0.814		
PCB-26	ND	0.927			PCB-73	ND	0.853		
PCB-28	4.69			J, B	PCB-74	ND	0.694		
PCB-29	ND	0.887			PCB-76/66	ND		1.03	
PCB-30	ND	0.528			PCB-77	ND	0.681		
PCB-31	5.10			J, B	PCB-78	ND	0.783		
PCB-34	ND	0.903			PCB-79	ND	0.793		
PCB-35	ND	0.758			PCB-80	ND	0.665		
PCB-36	ND	0.745			PCB-81	ND	0.682		
PCB-37	ND		1.17		PCB-82	ND	2.63		
PCB-38	ND	0.711			PCB-83	ND	1.94		
PCB-39	ND	0.718			PCB-84/92	ND	2.59		
PCB-40	ND	1.54			PCB-85/116	ND	2.25		
PCB-41/64/71/72	1.84			J	PCB-86	ND	2.99		
PCB-42/59	ND		1.15		PCB-87/117/125	1.46			J
PCB-43/49	2.03			J	PCB-88/91	ND	2.69		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Reser Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-04
Project:	WA Pre Sampling	Sample Size:	0.962 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 13:00			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 07:42
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.67			PCB-136	ND	1.58		
PCB-90/101	2.45			J	PCB-137	ND	1.10		
PCB-93	ND	2.62			PCB-138/163/164	2.38			J, B
PCB-94	ND	2.65			PCB-139/149	2.05			J
PCB-95/98/102	2.05			J, B	PCB-140	ND	2.20		
PCB-96	ND	1.94			PCB-141	ND	1.18		
PCB-97	ND	2.42			PCB-144	ND	2.07		
PCB-99	ND		1.40		PCB-145	ND	1.43		
PCB-100	ND	2.10			PCB-146/165	ND	0.906		
PCB-103	ND	2.25			PCB-147	ND	2.02		
PCB-104	ND	1.64			PCB-148	ND	2.00		
PCB-105	0.938			J	PCB-150	ND	1.47		
PCB-106/118	ND		1.36		PCB-151	ND	2.15		
PCB-107/109	ND	1.53			PCB-152	ND	1.44		
PCB-108/112	ND	2.34			PCB-153	1.97			J
PCB-110	2.73			J	PCB-154	ND	1.86		
PCB-111/115	ND	1.74			PCB-155	ND	1.37		
PCB-113	ND	1.90			PCB-156	ND	0.736		
PCB-114	ND	1.30			PCB-157	ND	0.798		
PCB-119	ND	1.74			PCB-158/160	ND	0.818		
PCB-120	ND	1.70			PCB-159	ND	0.873		
PCB-121	ND	1.78			PCB-166	ND	0.846		
PCB-122	ND	1.44			PCB-167	ND	0.763		
PCB-123	ND	1.64			PCB-168	ND	0.798		
PCB-124	ND	1.46			PCB-169	ND	0.650		
PCB-126	ND	1.23			PCB-170	ND	0.824		
PCB-127	ND	1.21			PCB-171	ND	0.805		
PCB-128/162	ND	0.960			PCB-172	ND	0.898		
PCB-129	ND	1.20			PCB-173	ND	0.959		
PCB-130	ND	1.28			PCB-174	ND	0.799		
PCB-131	ND	1.24			PCB-175	ND	1.08		
PCB-132/161	ND	0.959			PCB-176	ND	0.787		
PCB-133/142	ND	1.18			PCB-177	ND	0.863		
PCB-134/143	ND	1.16			PCB-178	ND	1.15		
PCB-135	ND	2.22			PCB-179	ND	0.858		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Reser Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-04	Date Received:	21-May-2014 10:00
Project:	WA Pre Sampling	Sample Size:	0.962 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40
Date Collected:	20-May-2014 13:00			Date Analyzed :	24-May-14 07:42	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		0.923		Total octaCB	ND	1.91		
PCB-181	ND	0.776			Total nonaCB	ND	1.10		
PCB-182/187	ND	1.00			DecaCB	1.34			J
PCB-183	ND	0.976			Total PCB	59.4			B
PCB-184	ND	0.845							
PCB-185	ND	0.802							
PCB-186	ND	0.790							
PCB-188	ND	0.724							
PCB-189	ND	0.473							
PCB-190	ND	0.588							
PCB-191	ND	0.656							
PCB-192	ND	0.687							
PCB-193	ND	0.640							
PCB-194	ND	0.812							
PCB-195	ND	0.814							
PCB-196/203	ND	1.70							
PCB-197	ND	1.33							
PCB-198	ND	1.91							
PCB-199	ND	1.78							
PCB-200	ND	1.38							
PCB-201	ND	1.30							
PCB-202	ND	1.32							
PCB-204	ND	1.40							
PCB-205	ND	0.675							
PCB-206	ND	1.10							
PCB-207	ND	0.571							
PCB-208	ND	0.550							
PCB-209	1.34			J					
Total monoCB	ND	1.22							
Total diCB	8.40			J, B					
Total triCB	22.6		23.7	B					
Total tetraCB	11.0		16.0	B					
Total pentaCB	9.63		12.4	B					
Total hexaCB	6.40			B					
Total heptaCB	ND		0.923	J					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Reser Intake

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-04	Date Received:	21-May-2014 10:00
Project:	WA Pre Sampling	Sample Size:	0.962 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40
Date Collected:	20-May-2014 13:00			Date Analyzed:	24-May-14 07:42	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	79.2	5 -145		13C-PCB-170	98.0	10 -145	
13C-PCB-3	92.0	5 -145		13C-PCB-180	90.8	10 -145	
13C-PCB-4	75.9	5 -145		13C-PCB-188	69.7	10 -145	
13C-PCB-11	85.2	5 -145		13C-PCB-189	109	10 -145	
13C-PCB-9	72.2	5 -145		13C-PCB-194	99.1	10 -145	
13C-PCB-19	84.6	5 -145		13C-PCB-202	68.5	10 -145	
13C-PCB-28	86.4	5 -145		13C-PCB-206	75.9	10 -145	
13C-PCB-32	88.2	5 -145		13C-PCB-208	73.2	10 -145	
13C-PCB-37	111	5 -145		13C-PCB-209	60.3	10 -145	
13C-PCB-47	82.2	5 -145		CRS 13C-PCB-79	112	10 -145	
13C-PCB-52	82.1	5 -145		13C-PCB-178	88.0	10 -145	
13C-PCB-54	80.2	5 -145					
13C-PCB-70	94.9	5 -145					
13C-PCB-77	121	10 -145					
13C-PCB-80	97.3	10 -145					
13C-PCB-81	112	10 -145					
13C-PCB-95	89.1	10 -145					
13C-PCB-97	94.6	10 -145					
13C-PCB-101	93.4	10 -145					
13C-PCB-104	88.1	10 -145					
13C-PCB-105	99.6	10 -145					
13C-PCB-114	97.0	10 -145					
13C-PCB-118	109	10 -145					
13C-PCB-123	115	10 -145					
13C-PCB-126	124	10 -145					
13C-PCB-127	111	10 -145					
13C-PCB-138	93.7	10 -145					
13C-PCB-141	92.7	10 -145					
13C-PCB-153	89.0	10 -145					
13C-PCB-155	77.0	10 -145					
13C-PCB-156	107	10 -145					
13C-PCB-157	107	10 -145					
13C-PCB-159	98.0	10 -145					
13C-PCB-167	105	10 -145					
13C-PCB-169	136	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-05
Project:	WA Pre Sampling	Sample Size:	0.954 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 12:45			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 08:46
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	21.9				PCB-44	18.4			
PCB-2	1.70			J	PCB-45	7.35			
PCB-3	9.37				PCB-46	3.17			J
PCB-4/10	59.5				PCB-47	4.15			J
PCB-5/8	149				PCB-48/75	ND		3.64	
PCB-6	28.6				PCB-50	ND	1.12		
PCB-7/9	15.5			J	PCB-51	2.24			J
PCB-11	19.2			B	PCB-52/69	17.1			B
PCB-12/13	12.5			J	PCB-53	4.85			J
PCB-14	ND	8.88			PCB-54	ND	0.844		
PCB-15	54.5				PCB-55	ND	0.801		
PCB-16/32	72.0				PCB-56/60	3.64			J
PCB-17	34.9				PCB-57	ND	0.758		
PCB-18	106				PCB-58	ND	0.802		
PCB-19	11.8				PCB-61/70	6.90			J
PCB-20/21/33	69.7				PCB-62	ND	0.904		
PCB-22	34.9				PCB-63	ND	0.775		
PCB-23	ND	0.920			PCB-65	ND	0.900		
PCB-24/27	8.58			J	PCB-67	ND	0.838		
PCB-25	7.78				PCB-68	ND	0.813		
PCB-26	17.9				PCB-73	ND	0.864		
PCB-28	64.9			B	PCB-74	1.42			J
PCB-29	ND	1.01			PCB-76/66	3.72			J
PCB-30	ND	0.594			PCB-77	0.680			J
PCB-31	92.4			B	PCB-78	ND	0.842		
PCB-34	ND	1.02			PCB-79	ND	0.854		
PCB-35	0.982			J	PCB-80	ND	0.716		
PCB-36	ND	0.811			PCB-81	ND	0.733		
PCB-37	14.7				PCB-82	ND	2.98		
PCB-38	ND	0.774			PCB-83	ND	2.13		
PCB-39	ND	0.782			PCB-84/92	ND	2.65		
PCB-40	4.09			J	PCB-85/116	ND	2.47		
PCB-41/64/71/72	13.4			J	PCB-86	ND	3.28		
PCB-42/59	6.40			J	PCB-87/117/125	ND	3.12		
PCB-43/49	12.1				PCB-88/91	ND	2.97		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-05	Date Received:	21-May-2014 10:00		
Project:	WA Pre Sampling	Sample Size:	0.954 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40		
Date Collected:	20-May-2014 12:45			Date Analyzed :	24-May-14 08:46	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.72			PCB-136	ND	1.99		
PCB-90/101	3.44			J	PCB-137	ND	1.23		
PCB-93	ND	2.90			PCB-138/163/164	ND		0.775	
PCB-94	ND	2.92			PCB-139/149	ND	2.43		
PCB-95/98/102	4.19			J, B	PCB-140	ND	2.78		
PCB-96	ND	2.07			PCB-141	ND	1.32		
PCB-97	ND	2.65			PCB-144	ND	2.61		
PCB-99	ND	1.90			PCB-145	ND	1.80		
PCB-100	ND	2.24			PCB-146/165	ND	1.09		
PCB-103	ND	2.40			PCB-147	ND	2.54		
PCB-104	ND	1.75			PCB-148	ND	2.53		
PCB-105	ND		0.609		PCB-150	ND	1.85		
PCB-106/118	1.67			J	PCB-151	ND	2.71		
PCB-107/109	ND	1.73			PCB-152	ND	1.81		
PCB-108/112	ND	2.56			PCB-153	ND	1.11		
PCB-110	2.66			J	PCB-154	ND	2.35		
PCB-111/115	ND	1.91			PCB-155	ND	1.72		
PCB-113	ND	1.94			PCB-156	ND	0.907		
PCB-114	ND	1.41			PCB-157	ND	0.972		
PCB-119	ND	1.91			PCB-158/160	ND	1.02		
PCB-120	ND	1.87			PCB-159	ND	1.04		
PCB-121	ND	1.96			PCB-166	ND	1.01		
PCB-122	ND	1.57			PCB-167	ND	0.922		
PCB-123	ND	1.85			PCB-168	ND	0.963		
PCB-124	ND	1.65			PCB-169	ND	0.841		
PCB-126	ND	1.37			PCB-170	ND	0.888		
PCB-127	ND	1.42			PCB-171	ND	0.913		
PCB-128/162	ND	1.14			PCB-172	ND	1.02		
PCB-129	ND	1.50			PCB-173	ND	1.09		
PCB-130	ND	1.44			PCB-174	ND	0.907		
PCB-131	ND	1.49			PCB-175	ND	1.21		
PCB-132/161	ND	1.16			PCB-176	ND	0.881		
PCB-133/142	ND	1.43			PCB-177	ND	0.979		
PCB-134/143	ND	1.41			PCB-178	ND	1.28		
PCB-135	ND	2.80			PCB-179	ND	0.910		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-05	Date Received:	21-May-2014 10:00
Project:	WA Pre Sampling	Sample Size:	0.954 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40
Date Collected:	20-May-2014 12:45			Date Analyzed:	24-May-14 08:46	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.892			Total octaCB	ND	2.29		
PCB-181	ND	0.881			Total nonaCB	ND	1.40		
PCB-182/187	ND	1.12			DecaCB	ND	1.18		
PCB-183	ND	1.09			Total PCB	1030			B
PCB-184	ND	0.946							
PCB-185	ND	0.910							
PCB-186	ND	0.885							
PCB-188	ND	0.811							
PCB-189	ND	0.494							
PCB-190	ND	0.635							
PCB-191	ND	0.744							
PCB-192	ND	0.779							
PCB-193	ND	0.726							
PCB-194	ND	0.882							
PCB-195	ND	0.885							
PCB-196/203	ND	2.04							
PCB-197	ND	1.60							
PCB-198	ND	2.29							
PCB-199	ND	2.13							
PCB-200	ND	1.65							
PCB-201	ND	1.56							
PCB-202	ND	1.59							
PCB-204	ND	1.68							
PCB-205	ND	0.733							
PCB-206	ND	1.40							
PCB-207	ND	0.723							
PCB-208	ND	0.698							
PCB-209	ND	1.18							
Total monoCB	33.0								
Total diCB	339			B					
Total triCB	537			B					
Total tetraCB	110		113	B					
Total pentaCB	12.0		12.6	B					
Total hexaCB	ND		0.775	J, B					
Total heptaCB	ND	1.28							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-05
Project:	WA Pre Sampling	Sample Size:	0.954 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 12:45			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 08:46
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	76.9	5 -145		13C-PCB-170	91.4	10 -145	
13C-PCB-3	86.8	5 -145		13C-PCB-180	85.3	10 -145	
13C-PCB-4	70.2	5 -145		13C-PCB-188	65.3	10 -145	
13C-PCB-11	79.7	5 -145		13C-PCB-189	102	10 -145	
13C-PCB-9	67.1	5 -145		13C-PCB-194	90.7	10 -145	
13C-PCB-19	79.9	5 -145		13C-PCB-202	61.5	10 -145	
13C-PCB-28	80.7	5 -145		13C-PCB-206	70.3	10 -145	
13C-PCB-32	82.3	5 -145		13C-PCB-208	65.2	10 -145	
13C-PCB-37	111	5 -145		13C-PCB-209	53.5	10 -145	
13C-PCB-47	79.8	5 -145		CRS 13C-PCB-79	108	10 -145	
13C-PCB-52	80.0	5 -145		13C-PCB-178	85.6	10 -145	
13C-PCB-54	76.2	5 -145					
13C-PCB-70	91.3	5 -145					
13C-PCB-77	112	10 -145					
13C-PCB-80	91.1	10 -145					
13C-PCB-81	103	10 -145					
13C-PCB-95	88.5	10 -145					
13C-PCB-97	92.1	10 -145					
13C-PCB-101	91.0	10 -145					
13C-PCB-104	87.2	10 -145					
13C-PCB-105	97.3	10 -145					
13C-PCB-114	92.2	10 -145					
13C-PCB-118	105	10 -145					
13C-PCB-123	110	10 -145					
13C-PCB-126	115	10 -145					
13C-PCB-127	104	10 -145					
13C-PCB-138	88.5	10 -145					
13C-PCB-141	88.9	10 -145					
13C-PCB-153	84.3	10 -145					
13C-PCB-155	73.4	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	99.7	10 -145					
13C-PCB-159	91.4	10 -145					
13C-PCB-167	96.0	10 -145					
13C-PCB-169	125	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-06	Date Received:	21-May-2014 10:00
Project:	WA Pre Sampling	Sample Size:	0.973 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40
Date Collected:	20-May-2014 12:00			Date Analyzed :	24-May-14 09:49	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	38.4				PCB-44	31.1			
PCB-2	2.57			J	PCB-45	10.7			
PCB-3	15.4				PCB-46	6.10			
PCB-4/10	98.0				PCB-47	5.54			
PCB-5/8	246				PCB-48/75	6.55			J
PCB-6	44.4				PCB-50	ND	0.988		
PCB-7/9	21.3				PCB-51	1.96			J
PCB-11	21.2			B	PCB-52/69	24.1			B
PCB-12/13	19.5			J	PCB-53	7.52			
PCB-14	ND	7.41			PCB-54	ND	0.743		
PCB-15	91.1				PCB-55	ND	0.672		
PCB-16/32	117				PCB-56/60	5.39			J
PCB-17	58.1				PCB-57	ND	0.607		
PCB-18	172				PCB-58	ND	0.642		
PCB-19	18.1				PCB-61/70	11.4			
PCB-20/21/33	114				PCB-62	ND	0.811		
PCB-22	58.0				PCB-63	ND	0.621		
PCB-23	ND	0.665			PCB-65	ND	0.807		
PCB-24/27	13.0				PCB-67	ND	0.671		
PCB-25	11.8				PCB-68	ND	0.729		
PCB-26	27.9				PCB-73	ND	0.762		
PCB-28	111			B	PCB-74	2.68			J
PCB-29	ND	0.728			PCB-76/66	4.91			J
PCB-30	ND	0.652			PCB-77	0.895			J
PCB-31	156			B	PCB-78	ND	0.693		
PCB-34	ND	0.740			PCB-79	ND	0.716		
PCB-35	1.59			J	PCB-80	ND	0.600		
PCB-36	ND	0.678			PCB-81	ND	0.604		
PCB-37	25.9				PCB-82	ND	2.62		
PCB-38	ND	0.647			PCB-83	ND	1.85		
PCB-39	ND	0.654			PCB-84/92	ND		2.54	
PCB-40	7.26				PCB-85/116	ND	2.15		
PCB-41/64/71/72	22.5				PCB-86	ND	2.85		
PCB-42/59	9.66			J	PCB-87/117/125	1.55			J
PCB-43/49	18.6				PCB-88/91	ND	2.40		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-06
Project:	WA Pre Sampling	Sample Size:	0.973 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 12:00			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 09:49
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.53			PCB-136	ND	1.56		
PCB-90/101	4.14			J	PCB-137	ND	0.839		
PCB-93	ND	2.34			PCB-138/163/164	0.787			B, J
PCB-94	ND	2.36			PCB-139/149	ND		1.12	
PCB-95/98/102	4.23			J, B	PCB-140	ND	2.17		
PCB-96	ND	2.06			PCB-141	ND	0.901		
PCB-97	ND	2.31			PCB-144	ND	2.05		
PCB-99	2.06			J	PCB-145	ND	1.41		
PCB-100	ND	2.23			PCB-146/165	ND	0.746		
PCB-103	ND	2.39			PCB-147	ND	1.99		
PCB-104	ND	1.75			PCB-148	ND	1.98		
PCB-105	0.785			J	PCB-150	ND	1.45		
PCB-106/118	1.30			J	PCB-151	ND	2.12		
PCB-107/109	ND	1.52			PCB-152	ND	1.42		
PCB-108/112	ND	2.23			PCB-153	ND	0.758		
PCB-110	3.51			J	PCB-154	ND	1.84		
PCB-111/115	ND	1.66			PCB-155	ND	1.35		
PCB-113	ND	1.80			PCB-156	ND	0.628		
PCB-114	ND	0.987			PCB-157	ND	0.652		
PCB-119	ND	1.66			PCB-158/160	ND	0.671		
PCB-120	ND	1.62			PCB-159	ND	0.700		
PCB-121	ND	1.58			PCB-166	ND	0.679		
PCB-122	ND	1.10			PCB-167	ND	0.639		
PCB-123	ND	1.63			PCB-168	ND	0.657		
PCB-124	ND	1.46			PCB-169	ND	0.535		
PCB-126	ND	1.01			PCB-170	ND	0.586		
PCB-127	ND	1.02			PCB-171	ND	0.656		
PCB-128/162	ND	0.771			PCB-172	ND	0.733		
PCB-129	ND	0.987			PCB-173	ND	0.782		
PCB-130	ND	0.978			PCB-174	ND	0.652		
PCB-131	ND	1.02			PCB-175	ND	0.837		
PCB-132/161	ND	0.790			PCB-176	ND	0.609		
PCB-133/142	ND	0.974			PCB-177	ND	0.704		
PCB-134/143	ND	0.960			PCB-178	ND	0.887		
PCB-135	ND	2.19			PCB-179	ND	0.629		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-06
Project:	WA Pre Sampling	Sample Size:	0.973 L	Date Received:	21-May-2014 10:00
Date Collected:	20-May-2014 12:00			QC Batch:	B4E0070
				Date Analyzed :	24-May-14 09:49
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.642			Total octaCB	ND	1.57		
PCB-181	ND	0.633			Total nonaCB	ND	1.34		
PCB-182/187	ND	0.777			DecaCB	ND	1.03		
PCB-183	ND	0.756			Total PCB	1680			B
PCB-184	ND	0.654							
PCB-185	ND	0.654							
PCB-186	ND	0.612							
PCB-188	ND	0.561							
PCB-189	ND	0.367							
PCB-190	ND	0.418							
PCB-191	ND	0.535							
PCB-192	ND	0.560							
PCB-193	ND	0.522							
PCB-194	ND	0.674							
PCB-195	ND	0.676							
PCB-196/203	ND	1.40							
PCB-197	ND	1.09							
PCB-198	ND	1.57							
PCB-199	ND	1.46							
PCB-200	ND	1.13							
PCB-201	ND	1.07							
PCB-202	ND	1.09							
PCB-204	ND	1.15							
PCB-205	ND	0.561							
PCB-206	ND	1.34							
PCB-207	ND	0.704							
PCB-208	ND	0.679							
PCB-209	ND	1.03							
Total monoCB	56.4								
Total diCB	541			B					
Total triCB	885			B					
Total tetraCB	177			B					
Total pentaCB	17.6		20.1	B					
Total hexaCB	0.787		1.91	J, B					
Total heptaCB	ND	0.887							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1400373-06	Date Received:	21-May-2014 10:00
Project:	WA Pre Sampling	Sample Size:	0.973 L	QC Batch:	B4E0070	Date Extracted:	22-May-2014 7:40
Date Collected:	20-May-2014 12:00			Date Analyzed :	24-May-14 09:49	Column:	ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.1	5 -145		13C-PCB-170	96.4	10 -145	
13C-PCB-3	85.8	5 -145		13C-PCB-180	90.7	10 -145	
13C-PCB-4	67.4	5 -145		13C-PCB-188	68.5	10 -145	
13C-PCB-11	80.1	5 -145		13C-PCB-189	106	10 -145	
13C-PCB-9	66.3	5 -145		13C-PCB-194	97.9	10 -145	
13C-PCB-19	77.5	5 -145		13C-PCB-202	65.7	10 -145	
13C-PCB-28	82.6	5 -145		13C-PCB-206	75.7	10 -145	
13C-PCB-32	83.4	5 -145		13C-PCB-208	69.3	10 -145	
13C-PCB-37	105	5 -145		13C-PCB-209	59.2	10 -145	
13C-PCB-47	77.6	5 -145		CRS 13C-PCB-79	113	10 -145	
13C-PCB-52	78.8	5 -145		13C-PCB-178	87.7	10 -145	
13C-PCB-54	74.0	5 -145					
13C-PCB-70	96.6	5 -145					
13C-PCB-77	117	10 -145					
13C-PCB-80	94.4	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	90.4	10 -145					
13C-PCB-97	95.6	10 -145					
13C-PCB-101	94.7	10 -145					
13C-PCB-104	85.7	10 -145					
13C-PCB-105	98.7	10 -145					
13C-PCB-114	94.7	10 -145					
13C-PCB-118	110	10 -145					
13C-PCB-123	115	10 -145					
13C-PCB-126	121	10 -145					
13C-PCB-127	106	10 -145					
13C-PCB-138	92.4	10 -145					
13C-PCB-141	90.9	10 -145					
13C-PCB-153	87.9	10 -145					
13C-PCB-155	75.6	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	105	10 -145					
13C-PCB-159	96.6	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	134	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The amount detected is above the High Calibration Limit.
H	Recovery was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Low Calibration Limit.
P	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	Method Detection Limit as determined by 40 CFR 136, Appendix B.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alabama Department of Environmental Management	41610
Alaska Department of Environmental Conservation	CA00413
California Department of Health – ELAP	2892
Connecticut Department of Public Health	PH-0182
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2012010
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132013-2
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-001
Pennsylvania Department of Environmental Protection	010
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-14-5
Utah Department of Health	CA164002012-2
Virginia Department of General Services	2207
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured Yes No

Laboratory Project ID: 1400373

Storage ID: WR-2

Temp: 4.7 °C

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Project I.D.: WA PRE-SAMPLING P.O.# _____ Sampler: STEVEN PATEN
(Name)

Invoice to: Name CHRS STREETS Company LWBWC Address 810 S MADU City MELBOURNE State OR Zip 97802 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) [Signature] Date: 5-20-14 Time: 13:30 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) [Signature] Date: 05/21/14 Time: 1000 Received by: (Signature and Printed Name) [Signature] Date: 05/21/14 Time: 1006

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: UPS

Tracking No.: _____

ATTN: _____

Add Analysis(es) Requested

Container(s)

Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29
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Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
GLW-126	5/20/14	10:55	TOUCHET	2L	A	AQ										X						
S-609	5/20/14	10:10	TOUCHET	2L	A	AQ										X						
S-227	5/20/14	11:25	WLLWWR	2L	A	AQ										X						
REPER TAKE	5/20/14	13:00	WLLWWR	2L	A	AQ										X						
GLW-148	5/20/14	12:45	WLLWWR	2L	A	AQ										X						
GLW-149	5/20/14	12:00	WLLWWR	2L	A	AQ										X						

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATEN
 Company: LWBWC
 Address: 810 S MADU
 City: MELBOURNE State: OR Zip: 97802
 Phone: 541-938-2170 Fax: SAME
 Email: steven.paten@lwbwc.org
 Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
 SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
 AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MMS Train, O = Other

*Bottle Preservative Type: T = Thiosulfate,
O = Other

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1400373 TAT Std.

Samples Arrival:	Date/Time: 05/21/14 1000	Initials: BEB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time: 05/21/14 1301	Initials: UPB	Location: WR-2
			Shelf/Rack: C4
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>C Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 4.7 (corrected)	1003	Thermometer ID: IR-1	
Temp °C: 4.7 (corrected)			

		YES	NO	NA
Adequate Sample Volume Received?	A3B Containers	✓		
Holding Time Acceptable?		✓		
Shipping Container(s) Intact?		✓		
Shipping Custody Seals Intact?		✓		
Shipping Documentation Present?		✓		
Airbill	Trk # 1Z 62 E3 F7 0161315025	✓		
Sample Container Intact?		✓		
Sample Custody Seals Intact?				✓
Chain of Custody / Sample Documentation Present?		✓		
COC Anomaly/Sample Acceptance Form completed?			✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				✓
Na ₂ S ₂ O ₃ Preservation Documented?	NA			
	COC		Sample Container	None
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>	Return
				Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 19, 2015

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-11377 - Locher Road Soils

Dear Mr. Steve Patten,

Your project: Locher Road Soils, was received on Monday June 08, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25658
Field ID: GFID #4
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	0.055		mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	0.084		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	0.004		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	0.003		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25657
Field ID: GFID #3
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
72-55-9	4,4' - DDE	0.0097		mg/Kg	0.0004	0.0004		1.00	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.00	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25656
Field ID: GFID #2
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	116		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	0.0056		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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 D.F. - Dilution Factor.

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25655
Field ID: GFID #1
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
72-55-9	4,4' - DDE	0.003		mg/Kg	0.0004	0.0004		1.00	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.00	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25654
Field ID: L2 #4
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25653
Field ID: L2 #3
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	S
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	a	S
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	a	S
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	a	S
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	a	S
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	S
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	a	S
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	S
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	a	S
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	a	S
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	S
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	S
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	S
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	a	S
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.00	a	S
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	a	S

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25652
Field ID: L2 #2
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.00080	0.0004		2.00	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.00080	0.0004		2.00	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.00080	0.0004		2.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.00080	0.0004		2.00	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.00080	0.0004		2.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.00080	0.0004		2.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.00080	0.0004		2.00	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.00080	0.0004		2.00	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.00080	0.0004		2.00	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.00080	0.0004		2.00	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.00080	0.0004		2.00	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.00080	0.0004		2.00	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.00080	0.0004		2.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.00080	0.0004		2.00	a	
72-20-8	ENDRIN	ND		mg/Kg	0.00080	0.0004		2.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.00080	0.0004		2.00	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.00080	0.0004		2.00	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.00080	0.0004		2.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.00080	0.0004		2.00	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.00080	0.0004		2.00	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.500	0.25		2.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25651
Field ID: L2 #1
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0009	0.0004		2.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0009	0.0004		2.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0009	0.0004		2.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0009	0.0004		2.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0009	0.0004		2.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0009	0.0004		2.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0009	0.0004		2.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0018	0.0004		2.20	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0106	0.0004		2.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0009	0.0004		2.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0009	0.0004		2.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0009	0.0004		2.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0009	0.0004		2.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0009	0.0004		2.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0009	0.0004		2.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0009	0.0004		2.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0009	0.0004		2.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0009	0.0004		2.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0009	0.0004		2.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0009	0.0004		2.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.550	0.25		2.20	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25650
Field ID: LCR #4
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.40	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0006	0.0004		1.40	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0006	0.0004		1.40	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0006	0.0004		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0006	0.0004		1.40	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0006	0.0004		1.40	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.350	0.25		1.40	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25649
Field ID: LCR #3
Sample Description: Surface
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	100		mg/Kg	0.0006	0.0004		1.45	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0006	0.0004		1.45	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0006	0.0004		1.45	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0006	0.0004		1.45	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0006	0.0004		1.45	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.45	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.45	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0006	0.0004		1.45	a	
72-55-9	4,4' - DDE	0.001		mg/Kg	0.0006	0.0004		1.45	a	
72-54-8	4,4' - DDD	0.001		mg/Kg	0.0006	0.0004		1.45	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0006	0.0004		1.45	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0006	0.0004		1.45	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0006	0.0004		1.45	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0006	0.0004		1.45	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0006	0.0004		1.45	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0006	0.0004		1.45	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0006	0.0004		1.45	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0006	0.0004		1.45	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0006	0.0004		1.45	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0006	0.0004		1.45	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.363	0.25		1.45	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25648
Field ID: LCR #2
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

Notes:

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 D.F. - Dilution Factor.

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25647
Field ID: LCR #1
Sample Description: Surface
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	0.0061	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	0.0074		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	0.0007		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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 D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only
Ship Address:	810 S Main Street	Address:		Ref #
City:	Milton-Freewe St. OR zip: 97862	City:		Check Regulatory Program
Attn:	Steven Patten	Phone:		<input type="checkbox"/> Safe Drinking Water Act
Phone:	541.938-2170 FAX:	P.O.#:		<input type="checkbox"/> Clean Water Act
Email:	steven.patten@wwbwc.org	Attn:		<input type="checkbox"/> RCRA / CERCLA
Project:	Locher Rd Soils	Card#:		<input checked="" type="checkbox"/> Other

ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually. (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	8081A Soil	Nitrate - Total P	For Lab Use Only					Total Containers	
1	LLR #1	S	S	6-3-15	11:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
2	LLR #2	S	S	6-3-15	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
3	LLR #3	S	S	6-3-15	11:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
4	LLR #4	S	S	6-3-15	11:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
5	LLR #1	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
6	LLR #2	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
7	LLR #3	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
8	LLR #4	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
9	LLR #1	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
10	LLR #2	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2

Containers
 25647 - 25658
15-11377
 special Instructions
 Conditions on Receipt

Sampled by: Steven Patten Phone: 541-938-2170 FAX: _____ Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by	Date	Time	Received by	Date	Time
<u>[Signature]</u>	6-3-15	13:15	<u>WPS</u>	6-4-15	0930
			<u>Chain rec'd</u>		
			<u>Samples rec'd</u>	6-5-15	1020
			<u>WPS</u>		

Custody seals intact Yes No N/A
 Sample temp 20 satisfactory
 Samples received intact
 Chain of custody & labels agree



Chain of Custody / Analysis Request (Please complete all applicable shaded sections)



EDGE ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Wahur St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9180 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour
 Ship Address: 810 S Main Street
 City: Milton-Freewe St. OR zip: 97862
 Attn: Steven Patten
 Phone: 541.938-2170 FAX:
 Email: steven.patten@wwbc.org
 Project: Locher Rd Soils

Bill to: Address: City: State: Zip:
 Phone: FAX:
 P.O.#: Attn:
 Visa M/C A/E Expires /
 Card#:

For Lab Use Only
 Ref #
 Check Regulatory Program
 Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

Instructions

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. (NEW) List each metal individually (NEW)
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.

Turn Around Time Required
 Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) (Phone Call Req.)
 Emergency (Phone Call Req.)

Analyses Requested

Number of Containers

Special Instructions
 Conditions on Receipt

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A Soil	Nitrate - Total P	For Lab Use Only					Total Containers	
1	L2 #1 SUREAC	G	S	6/5/15	10:20	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
2	L2 #2 PASTER DEPTH	G	S	6/5/15	10:20	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
3	L2 #3 SUREAC	G	S	6/5/15	10:25	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
4	L2 #4 PASTER DEPTH	G	S	6/5/15	10:25	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
5	L2 #1 SUREAC	G	S	6/5/15	10:20	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
6	L2 #2 PASTER DEPTH	G	S	6/5/15	10:20	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
7	L2 #3 SUREAC	G	S	6/5/15	10:25	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
8	L2 #4 PASTER DEPTH	G	S	6/5/15	10:25	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
9	L2 #1 SUREAC	G	S	6/5/15	11:20	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
10	L2 #2 PASTER DEPTH	G	S	6/5/15	11:20	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Sampled by: Steven Patten Phone: 541-938-2170 FAX: Email: steven.patten@wwbc.org														

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water S - soil OL - oil Other _____

Relinquished by: [Signature] Date: 6-5-15 Time: 12:33 Received by: [Signature] Date: 6-5-15 Time: 10:20

Custody seals intact Yes No N/A
 Sample temp 20C satisfactory
 Samples received intact
 Chain of custody & labels agree

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)



EDGE ANALYTICAL
 Main Lab (800-755-9295)
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 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only
Ship Address: 810 S Main Street	Address:	Ref #
City: Milton-Freewe st	City: OR zip: 97862	City: St: Zip:
Attn: Steven Patten	Phone: Steven Patten	FAX: Steven Patten
Phone: 541.938-2170	FAX: 541.938-2170	Check Regulatory Program
Email: steven.patten@wwbwc.org	P.O.#:	<input type="checkbox"/> Safe Drinking Water Act
Project: Locher Rd Soils	Card#:	<input type="checkbox"/> Clean Water Act
		<input type="checkbox"/> RCRA / CERCLA
		<input checked="" type="checkbox"/> Other

Instructions

- Use one line per sample location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A Soil	Nitrate - Total P	Analyses Requested										Number of Containers	Special Instructions Conditions on Receipt					
1	ASPD #3	SURFACE	G	6/5/15	11:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2		
2	ASPD #4	PROJECT DEPTIR	G	6/5/15	11:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: _____ Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: [Signature] Date: 6/5/15 Time: 12:30 Received by: [Signature] Date: 6/5/15 Time: 10:40

Custody seals intact Yes No N/A
 Sample temp _____ C satisfactory
 Samples received intact
 Chain of custody & labels agree

WA MUD CREEK – PRE-OPERATIONS SAMPLING

July 09, 2015

Vista Project I.D.: 1500507

Mr. Steven Patten
Walla Walla Basin Watershed Council
810 S. Main Street
Milton-Freewater, OR 97862

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on June 08, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name 'Soil Pre-Sampling'. The work was authorized under your Purchase Order No. Locher.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1500507

Case Narrative

Sample Condition on Receipt:

Eight solid samples were received in good condition and at 24.5 degrees C which is above the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. Sample "L2#2" was listed on the chain of custody but was not received.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	40
Certifications.....	41
Sample Receipt.....	42

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1500507-01	GFID #3	05-Jun-15 11:25	08-Jun-15 10:03	Amber Glass, 120 mL
1500507-02	GFID #4	05-Jun-15 11:25	08-Jun-15 10:03	Amber Glass, 120 mL
1500507-03	GFID #1	05-Jun-15 11:20	08-Jun-15 10:03	Amber Glass, 120 mL
1500507-04	GFID #2	05-Jun-15 11:20	08-Jun-15 10:03	Amber Glass, 120 mL
1500507-05	L2 #1	05-Jun-15 10:20	08-Jun-15 10:03	Amber Glass, 120 mL
1500507-06	L2 #2	05-Jun-15 10:20	08-Jun-15 10:03	Not Received
1500507-07	L2 #3	05-Jun-15 10:25	08-Jun-15 10:03	Amber Glass, 120 mL
1500507-08	L2 #4	05-Jun-15 10:25	08-Jun-15 10:03	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0055	Lab Sample: B5F0055-BLK1
Sample Size: 10.0 g	Date Extracted: 12-Jun-2015 9:34	Date Analyzed: 17-Jun-15 12:39 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-43/49	ND	0.611		
PCB-2	ND	0.921			PCB-44	ND	0.768		
PCB-3	ND	0.919			PCB-45	ND	0.668		
PCB-4/10	ND	7.87			PCB-46	ND	0.733		
PCB-5/8	ND	5.68			PCB-47	ND	0.558		
PCB-6	ND	5.83			PCB-48/75	ND	0.504		
PCB-7/9	ND	5.76			PCB-50	ND	0.773		
PCB-11	ND	5.06			PCB-51	ND	0.599		
PCB-12/13	ND	5.13			PCB-52/69	ND	0.539		
PCB-14	ND	4.42			PCB-53	ND	0.611		
PCB-15	ND	4.51			PCB-54	ND	0.587		
PCB-16/32	ND	0.372			PCB-55	ND	0.400		
PCB-17	ND	0.407			PCB-56/60	ND	0.445		
PCB-18	ND	0.439			PCB-57	ND	0.458		
PCB-19	ND	0.494			PCB-58	ND	0.451		
PCB-20/21/33	ND	0.602			PCB-61/70	ND	0.455		
PCB-22	ND	0.599			PCB-62	ND	0.493		
PCB-23	ND	0.576			PCB-63	ND	0.441		
PCB-24/27	ND	0.300			PCB-65	ND	0.508		
PCB-25	ND	0.635			PCB-66/76	ND	0.434		
PCB-26	ND	0.563			PCB-67	ND	0.470		
PCB-28	ND	0.563			PCB-68	ND	0.416		
PCB-29	ND	0.576			PCB-73	ND	0.493		
PCB-30	ND	0.312			PCB-74	ND	0.422		
PCB-31	ND	0.557			PCB-77	ND	0.381		
PCB-34	ND	0.536			PCB-78	ND	0.421		
PCB-35	ND	0.495			PCB-79	ND	0.424		
PCB-36	ND	0.479			PCB-80	ND	0.371		
PCB-37	ND	0.461			PCB-81	ND	0.384		
PCB-38	ND	0.501			PCB-82	ND	1.39		
PCB-39	ND	0.493			PCB-83	ND	0.825		
PCB-40	ND	0.780			PCB-84/92	ND	1.13		
PCB-41/64/71/72	ND	0.500			PCB-85/116	ND	0.984		
PCB-42/59	ND	0.541			PCB-86	ND	1.33		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B5F0055
Date Extracted: 12-Jun-2015 9:34Lab Sample: B5F0055-BLK1
Date Analyzed: 17-Jun-15 12:39 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.861			PCB-133/142	ND	0.763		
PCB-88/91	ND	1.21			PCB-134/143	ND	0.745		
PCB-89	ND	1.22			PCB-135	ND	1.19		
PCB-90/101	ND	1.00			PCB-136	ND	0.832		
PCB-93	ND	1.28			PCB-137	ND	0.658		
PCB-94	ND	1.20			PCB-138/163/164	ND	0.561		
PCB-95/98/102	ND	1.05			PCB-139/149	ND	1.09		
PCB-96	ND	0.974			PCB-140	ND	1.22		
PCB-97	ND	1.06			PCB-141	ND	0.671		
PCB-99	ND	0.969			PCB-144	ND	1.11		
PCB-100	ND	1.10			PCB-145	ND	0.869		
PCB-103	ND	1.10			PCB-146/165	ND	0.641		
PCB-104	ND	0.842			PCB-147	ND	1.22		
PCB-105	ND	0.487			PCB-148	ND	1.16		
PCB-106/118	ND	0.753			PCB-150	ND	0.842		
PCB-107/109	ND	0.771			PCB-151	ND	1.16		
PCB-108/112	ND	0.975			PCB-152	ND	0.813		
PCB-110	ND	0.805			PCB-153	ND	0.580		
PCB-111/115	ND	0.738			PCB-154	ND	1.07		
PCB-113	ND	0.903			PCB-155	ND	0.793		
PCB-114	ND	0.539			PCB-156	ND	0.472		
PCB-119	ND	0.729			PCB-157	ND	0.488		
PCB-120	ND	0.690			PCB-158/160	ND	0.524		
PCB-121	ND	0.771			PCB-159	ND	0.500		
PCB-122	ND	0.641			PCB-166	ND	0.536		
PCB-123	ND	0.822			PCB-167	ND	0.502		
PCB-124	ND	0.789			PCB-168	ND	0.512		
PCB-126	ND	0.546			PCB-169	ND	0.515		
PCB-127	ND	0.554			PCB-170	ND	0.468		
PCB-128/162	ND	0.591			PCB-171	ND	0.484		
PCB-129	ND	0.782			PCB-172	ND	0.520		
PCB-130	ND	0.842			PCB-173	ND	0.638		
PCB-131	ND	0.821			PCB-174	ND	0.547		
PCB-132/161	ND	0.620			PCB-175	ND	0.562		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0055	Lab Sample: B5F0055-BLK1
Sample Size: 10.0 g	Date Extracted: 12-Jun-2015 9:34	Date Analyzed: 17-Jun-15 12:39 Column: ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.404			Total triCB	ND	0.635		
PCB-177	ND	0.556			Total tetraCB	ND	0.780		
PCB-178	ND	0.547			Total pentaCB	ND	1.39		
PCB-179	ND	0.423			Total hexaCB	ND	1.22		
PCB-180	ND	0.486			Total heptaCB	ND	0.638		
PCB-181	ND	0.522			Total octaCB	ND	0.826		
PCB-182/187	ND	0.518			Total nonaCB	ND	0.630		
PCB-183	ND	0.481			DecaCB	ND	0.379		
PCB-184	ND	0.440			Total PCB	ND	7.87		
PCB-185	ND	0.501							
PCB-186	ND	0.404							
PCB-188	ND	0.387							
PCB-189	ND	0.318							
PCB-190	ND	0.348							
PCB-191	ND	0.378							
PCB-192	ND	0.405							
PCB-193	ND	0.380							
PCB-194	ND	0.395							
PCB-195	ND	0.448							
PCB-196/203	ND	0.739							
PCB-197	ND	0.525							
PCB-198	ND	0.813							
PCB-199	ND	0.826							
PCB-200	ND	0.592							
PCB-201	ND	0.559							
PCB-202	ND	0.601							
PCB-204	ND	0.570							
PCB-205	ND	0.317							
PCB-206	ND	0.630							
PCB-207	ND	0.355							
PCB-208	ND	0.360							
PCB-209	ND	0.379							
Total monoCB	ND	1.08							
Total diCB	ND	7.87							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B5F0055	Lab Sample: B5F0055-BLK1
Sample Size: 10.0 g	Date Extracted: 12-Jun-2015 9:34	Date Analyzed: 17-Jun-15 12:39 Column: ZB-1 Analyst: DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	47.1	5 - 145		13C-PCB-157	92.5	10 - 145	
13C-PCB-3	60.0	5 - 145		13C-PCB-159	91.2	10 - 145	
13C-PCB-4	54.1	5 - 145		13C-PCB-167	91.9	10 - 145	
13C-PCB-11	73.5	5 - 145		13C-PCB-169	93.1	10 - 145	
13C-PCB-9	62.0	5 - 145		13C-PCB-170	95.4	10 - 145	
13C-PCB-19	79.0	5 - 145		13C-PCB-180	93.2	10 - 145	
13C-PCB-28	74.5	5 - 145		13C-PCB-188	83.7	10 - 145	
13C-PCB-32	85.3	5 - 145		13C-PCB-189	101	10 - 145	
13C-PCB-37	94.4	5 - 145		13C-PCB-194	95.1	10 - 145	
13C-PCB-47	82.5	5 - 145		13C-PCB-202	85.0	10 - 145	
13C-PCB-52	85.2	5 - 145		13C-PCB-206	93.6	10 - 145	
13C-PCB-54	65.9	5 - 145		13C-PCB-208	78.3	10 - 145	
13C-PCB-70	87.5	5 - 145		13C-PCB-209	105	10 - 145	
13C-PCB-77	92.3	10 - 145		CRS 13C-PCB-79	90.8	10 - 145	
13C-PCB-80	87.2	10 - 145		13C-PCB-178	91.3	10 - 145	
13C-PCB-81	90.6	10 - 145					
13C-PCB-95	89.6	10 - 145					
13C-PCB-97	94.7	10 - 145					
13C-PCB-101	92.1	10 - 145					
13C-PCB-104	81.3	10 - 145					
13C-PCB-105	95.1	10 - 145					
13C-PCB-114	89.5	10 - 145					
13C-PCB-118	94.7	10 - 145					
13C-PCB-123	97.9	10 - 145					
13C-PCB-126	101	10 - 145					
13C-PCB-127	95.5	10 - 145					
13C-PCB-138	90.5	10 - 145					
13C-PCB-141	89.7	10 - 145					
13C-PCB-153	87.3	10 - 145					
13C-PCB-155	87.5	10 - 145					
13C-PCB-156	92.8	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B5F0055
Date Extracted: 12-Jun-2015 9:34

Lab Sample: B5F0055-BS1
Date Analyzed: 17-Jun-15 10:31 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	427	500	85.4	60 - 135	IS 13C-PCB-1	64.6	15 - 145
PCB-3	420	500	83.9	60 - 135	IS 13C-PCB-3	66.4	15 - 145
PCB-4/10	975	1000	97.5	60 - 135	IS 13C-PCB-4	56.7	15 - 145
PCB-15	481	500	96.3	60 - 135	IS 13C-PCB-9	60.7	15 - 145
PCB-19	497	500	99.3	60 - 135	IS 13C-PCB-11	67.7	15 - 145
PCB-37	522	500	104	60 - 135	IS 13C-PCB-19	76.6	15 - 145
PCB-54	517	500	103	60 - 135	IS 13C-PCB-28	70.9	15 - 145
PCB-77	480	500	96.0	60 - 135	IS 13C-PCB-32	81.5	15 - 145
PCB-81	459	500	91.8	60 - 135	IS 13C-PCB-37	94.8	15 - 145
PCB-104	508	500	102	60 - 135	IS 13C-PCB-47	76.3	15 - 145
PCB-105	409	500	81.8	60 - 135	IS 13C-PCB-52	77.7	15 - 145
PCB-106/118	977	1000	97.7	60 - 135	IS 13C-PCB-54	58.6	15 - 145
PCB-114	426	500	85.3	60 - 135	IS 13C-PCB-70	81.2	15 - 145
PCB-123	485	500	96.9	60 - 135	IS 13C-PCB-77	87.3	40 - 145
PCB-126	439	500	87.8	60 - 135	IS 13C-PCB-80	80.6	40 - 145
PCB-155	491	500	98.3	60 - 135	IS 13C-PCB-81	86.0	40 - 145
PCB-156	471	500	94.3	60 - 135	IS 13C-PCB-95	79.3	40 - 145
PCB-157	485	500	97.0	60 - 135	IS 13C-PCB-97	88.4	40 - 145
PCB-167	494	500	98.7	60 - 135	IS 13C-PCB-101	83.0	40 - 145
PCB-169	507	500	101	60 - 135	IS 13C-PCB-104	72.3	40 - 145
PCB-188	488	500	97.6	60 - 135	IS 13C-PCB-105	89.8	40 - 145
PCB-189	489	500	97.7	60 - 135	IS 13C-PCB-114	82.1	40 - 145
PCB-202	504	500	101	60 - 135	IS 13C-PCB-118	86.9	40 - 145
PCB-205	486	500	97.3	60 - 135	IS 13C-PCB-123	88.9	40 - 145
PCB-206	528	500	106	60 - 135	IS 13C-PCB-126	94.8	40 - 145
PCB-208	533	500	107	60 - 135	IS 13C-PCB-127	88.7	40 - 145
PCB-209	477	500	95.4	60 - 135	IS 13C-PCB-138	82.3	40 - 145
					IS 13C-PCB-141	81.8	40 - 145
					IS 13C-PCB-153	83.1	40 - 145
					IS 13C-PCB-155	79.1	40 - 145
					IS 13C-PCB-156	86.4	40 - 145
					IS 13C-PCB-157	85.1	40 - 145
					IS 13C-PCB-159	84.4	40 - 145
					IS 13C-PCB-167	84.1	40 - 145
					IS 13C-PCB-169	87.3	40 - 145
					IS 13C-PCB-170	89.9	40 - 145
					IS 13C-PCB-180	87.3	40 - 145
					IS 13C-PCB-188	77.4	40 - 145
					IS 13C-PCB-189	90.6	40 - 145
					IS 13C-PCB-194	84.3	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B5F0055
Date Extracted: 12-Jun-2015 9:34

Lab Sample: B5F0055-BS1
Date Analyzed: 17-Jun-15 10:31 Column: ZB-1 Analyst: DMS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	79.8	40 - 145
					IS 13C-PCB-206	89.4	40 - 145
					IS 13C-PCB-208	71.1	40 - 145
					IS 13C-PCB-209	101	40 - 145
					CRS 13C-PCB-79	91.0	40 - 145
					CRS 13C-PCB-178	88.5	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GFID #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-01	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	10.1 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 11:25	% Solids:	98.5	Date Analyzed :	17-Jun-15 13:44	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.789			PCB-44	2.88			
PCB-2	ND	0.905			PCB-45	ND	0.550		
PCB-3	ND	0.903			PCB-46	ND	0.603		
PCB-4/10	ND	5.56			PCB-47	1.14			J
PCB-5/8	ND	4.55			PCB-48/75	0.439			J
PCB-6	ND	4.67			PCB-50	ND	0.594		
PCB-7/9	ND	4.61			PCB-51	ND	0.493		
PCB-11	5.10				PCB-52/69	2.48			J
PCB-12/13	ND	4.39			PCB-53	ND	0.504		
PCB-14	ND	3.79			PCB-54	ND	0.451		
PCB-15	ND	3.86			PCB-55	ND	0.332		
PCB-16/32	1.58			J	PCB-56/60	1.65			J
PCB-17	ND	0.365			PCB-57	ND	0.384		
PCB-18	1.70			J	PCB-58	ND	0.378		
PCB-19	ND	0.428			PCB-61/70	3.61			J
PCB-20/21/33	1.71			J	PCB-62	ND	0.403		
PCB-22	1.21			J	PCB-63	ND	0.369		
PCB-23	ND	0.406			PCB-65	ND	0.416		
PCB-24/27	ND	0.269			PCB-66/76	2.10			J
PCB-25	ND	0.448			PCB-67	ND	0.394		
PCB-26	ND	0.397			PCB-68	ND	0.340		
PCB-28	ND		2.75		PCB-73	ND	0.406		
PCB-29	ND	0.406			PCB-74	1.16			J
PCB-30	ND	0.271			PCB-77	0.848			J
PCB-31	ND		2.37		PCB-78	ND	0.370		
PCB-34	ND	0.378			PCB-79	ND	0.352		
PCB-35	ND	0.380			PCB-80	ND	0.308		
PCB-36	ND	0.368			PCB-81	ND	0.338		
PCB-37	ND		0.916		PCB-82	0.844			J
PCB-38	ND	0.385			PCB-83	ND	0.665		
PCB-39	ND	0.379			PCB-84/92	3.25			J
PCB-40	ND	0.639			PCB-85/116	1.99			J
PCB-41/64/71/72	2.49			J	PCB-86	ND	1.07		
PCB-42/59	0.739			J	PCB-87/117/125	2.80			J
PCB-43/49	2.03			J	PCB-88/91	ND		1.20	

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #3

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1500507-01	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling		Sample Size:	10.1 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 11:25		% Solids:	98.5	Date Analyzed :	17-Jun-15 13:44	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.961			PCB-136	1.36			J
PCB-90/101	8.61				PCB-137	0.589			J
PCB-93	ND	1.02			PCB-138/163/164	12.3			
PCB-94	ND	0.957			PCB-139/149	8.48			
PCB-95/98/102	5.79			J	PCB-140	ND	0.913		
PCB-96	ND	0.727			PCB-141	1.75			J
PCB-97	2.44			J	PCB-144	ND	0.829		
PCB-99	4.30				PCB-145	ND	0.649		
PCB-100	ND	0.824			PCB-146/165	2.21			J
PCB-103	ND	0.820			PCB-147	ND	0.911		
PCB-104	ND	0.629			PCB-148	ND	0.868		
PCB-105	ND		2.90		PCB-150	ND	0.629		
PCB-106/118	7.25				PCB-151	2.89			
PCB-107/109	0.545			J	PCB-152	ND	0.607		
PCB-108/112	ND	0.786			PCB-153	11.4			
PCB-110	9.07				PCB-154	ND	0.797		
PCB-111/115	ND	0.595			PCB-155	ND	0.592		
PCB-113	ND	0.714			PCB-156	1.20			J
PCB-114	ND	0.567			PCB-157	ND	0.549		
PCB-119	ND	0.588			PCB-158/160	1.25			J
PCB-120	ND	0.556			PCB-159	ND	0.517		
PCB-121	ND	0.614			PCB-166	ND	0.553		
PCB-122	ND	0.675			PCB-167	ND		1.12	
PCB-123	ND	0.637			PCB-168	ND	0.514		
PCB-124	ND	0.612			PCB-169	ND	0.578		
PCB-126	ND	0.597			PCB-170	2.38			J
PCB-127	ND	0.599			PCB-171	0.765			J
PCB-128/162	2.13			J	PCB-172	0.873			J
PCB-129	0.648			J	PCB-173	ND	0.623		
PCB-130	0.986			J	PCB-174	3.06			
PCB-131	ND	0.825			PCB-175	ND	0.534		
PCB-132/161	2.63			J	PCB-176	ND	0.384		
PCB-133/142	ND		0.349		PCB-177	2.10			J
PCB-134/143	ND		0.479		PCB-178	1.20			J
PCB-135	1.95			J	PCB-179	1.38			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-01
Project:	Soil Pre-Sampling	Sample Size:	10.1 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:25	% Solids:	98.5	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 13:44
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	6.05				Total octaCB	10.6		11.7	
PCB-181	ND	0.510			Total nonaCB	1.98		6.45	
PCB-182/187	5.68				DecaCB	13.8			
PCB-183	1.54			J	Total PCB	183			
PCB-184	ND	0.418							
PCB-185	ND	0.490							
PCB-186	ND	0.383							
PCB-188	ND	0.367							
PCB-189	ND	0.332							
PCB-190	0.592			J					
PCB-191	ND	0.369							
PCB-192	ND	0.396							
PCB-193	ND	0.371							
PCB-194	2.17			J					
PCB-195	0.922			J					
PCB-196/203	3.53			J					
PCB-197	ND	0.590							
PCB-198	ND	0.913							
PCB-199	3.95								
PCB-200	ND	0.666							
PCB-201	ND	0.628							
PCB-202	ND		1.12						
PCB-204	ND	0.641							
PCB-205	ND	0.423							
PCB-206	ND		3.45						
PCB-207	ND		1.02						
PCB-208	1.98			J					
PCB-209	13.8								
Total monoCB	ND	0.905							
Total diCB	5.10								
Total triCB	6.19		12.2						
Total tetraCB	21.6								
Total pentaCB	46.9		51.0						
Total hexaCB	51.7		53.7						
Total heptaCB	25.6								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-01
Project:	Soil Pre-Sampling	Sample Size:	10.1 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:25	% Solids:	98.5	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 13:44
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	91.2	5 -145		13C-PCB-170	93.7	10 -145	
13C-PCB-3	87.8	5 -145		13C-PCB-180	90.1	10 -145	
13C-PCB-4	76.3	5 -145		13C-PCB-188	80.6	10 -145	
13C-PCB-11	88.1	5 -145		13C-PCB-189	92.3	10 -145	
13C-PCB-9	81.2	5 -145		13C-PCB-194	104	10 -145	
13C-PCB-19	93.5	5 -145		13C-PCB-202	80.7	10 -145	
13C-PCB-28	88.6	5 -145		13C-PCB-206	99.7	10 -145	
13C-PCB-32	96.2	5 -145		13C-PCB-208	88.5	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	87.3	5 -145		CRS 13C-PCB-79	93.3	10 -145	
13C-PCB-52	90.5	5 -145		13C-PCB-178	88.8	10 -145	
13C-PCB-54	74.7	5 -145					
13C-PCB-70	90.2	5 -145					
13C-PCB-77	91.2	10 -145					
13C-PCB-80	92.3	10 -145					
13C-PCB-81	90.8	10 -145					
13C-PCB-95	95.2	10 -145					
13C-PCB-97	99.2	10 -145					
13C-PCB-101	97.4	10 -145					
13C-PCB-104	89.4	10 -145					
13C-PCB-105	95.9	10 -145					
13C-PCB-114	89.5	10 -145					
13C-PCB-118	97.9	10 -145					
13C-PCB-123	101	10 -145					
13C-PCB-126	99.6	10 -145					
13C-PCB-127	97.3	10 -145					
13C-PCB-138	88.1	10 -145					
13C-PCB-141	87.9	10 -145					
13C-PCB-153	86.1	10 -145					
13C-PCB-155	90.9	10 -145					
13C-PCB-156	91.9	10 -145					
13C-PCB-157	88.9	10 -145					
13C-PCB-159	89.9	10 -145					
13C-PCB-167	90.9	10 -145					
13C-PCB-169	90.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #4

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1500507-02	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling		Sample Size:	11.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 11:25		% Solids:	85.2	Date Analyzed:	17-Jun-15 14:48	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.933			PCB-44	1.74			J
PCB-2	ND	1.02			PCB-45	ND	0.755		
PCB-3	ND	1.02			PCB-46	ND	0.828		
PCB-4/10	ND	6.58			PCB-47	ND	0.610		
PCB-5/8	ND	4.98			PCB-48/75	ND	0.551		
PCB-6	ND	5.11			PCB-50	ND	0.814		
PCB-7/9	ND	5.05			PCB-51	ND	0.677		
PCB-11	ND	4.88			PCB-52/69	1.79			J
PCB-12/13	ND	4.94			PCB-53	ND	0.691		
PCB-14	ND	4.26			PCB-54	ND	0.618		
PCB-15	ND	4.35			PCB-55	ND	0.426		
PCB-16/32	1.34			J	PCB-56/60	1.00			J
PCB-17	0.716			J	PCB-57	ND	0.478		
PCB-18	1.13			J	PCB-58	ND	0.470		
PCB-19	ND	0.646			PCB-61/70	ND		2.10	
PCB-20/21/33	1.37			J	PCB-62	ND	0.538		
PCB-22	ND		0.636		PCB-63	ND	0.460		
PCB-23	ND	0.390			PCB-65	ND	0.555		
PCB-24/27	ND	0.397			PCB-66/76	1.19			J
PCB-25	ND	0.430			PCB-67	ND	0.490		
PCB-26	ND	0.381			PCB-68	ND	0.454		
PCB-28	2.49				PCB-73	ND	0.557		
PCB-29	ND	0.390			PCB-74	0.481			J
PCB-30	ND	0.408			PCB-77	ND	0.435		
PCB-31	1.58			J	PCB-78	ND	0.462		
PCB-34	ND	0.363			PCB-79	ND	0.452		
PCB-35	ND	0.379			PCB-80	ND	0.396		
PCB-36	ND	0.367			PCB-81	ND	0.422		
PCB-37	0.765			J	PCB-82	ND	1.28		
PCB-38	ND	0.384			PCB-83	ND	0.810		
PCB-39	ND	0.378			PCB-84/92	ND		1.59	
PCB-40	ND	0.853			PCB-85/116	ND	0.967		
PCB-41/64/71/72	2.12			J	PCB-86	ND	1.30		
PCB-42/59	ND	0.591			PCB-87/117/125	ND	0.846		
PCB-43/49	ND		1.09		PCB-88/91	ND	1.18		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-02	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	11.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 11:25	% Solids:	85.2	Date Analyzed :	17-Jun-15 14:48	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.18			PCB-136	ND	0.807		
PCB-90/101	5.13				PCB-137	ND	1.02		
PCB-93	ND	1.25			PCB-138/163/164	8.43			
PCB-94	ND	1.18			PCB-139/149	5.69			
PCB-95/98/102	2.35			J	PCB-140	ND	1.18		
PCB-96	ND	0.938			PCB-141	0.902			J
PCB-97	ND	1.04			PCB-144	ND	1.08		
PCB-99	2.97				PCB-145	ND	0.843		
PCB-100	ND	1.06			PCB-146/165	1.61			J
PCB-103	ND	1.06			PCB-147	ND	1.18		
PCB-104	ND	0.811			PCB-148	ND	1.13		
PCB-105	ND		5.31		PCB-150	ND	0.817		
PCB-106/118	7.32				PCB-151	1.44			J
PCB-107/109	ND	1.08			PCB-152	ND	0.788		
PCB-108/112	ND	0.958			PCB-153	9.79			
PCB-110	4.50				PCB-154	ND	1.03		
PCB-111/115	ND	0.725			PCB-155	ND	0.769		
PCB-113	ND	0.878			PCB-156	1.04			J
PCB-114	ND	0.754			PCB-157	ND	0.749		
PCB-119	ND	0.717			PCB-158/160	0.804			J
PCB-120	ND	0.678			PCB-159	ND	0.749		
PCB-121	ND	0.755			PCB-166	ND	0.802		
PCB-122	ND	0.898			PCB-167	ND	0.776		
PCB-123	ND	0.759			PCB-168	ND	0.749		
PCB-124	ND	0.729			PCB-169	ND	0.748		
PCB-126	ND	0.823			PCB-170	1.92			J
PCB-127	ND	0.844			PCB-171	ND	0.574		
PCB-128/162	1.66			J	PCB-172	ND	0.617		
PCB-129	ND	1.12			PCB-173	ND	0.756		
PCB-130	ND	1.30			PCB-174	2.50			
PCB-131	ND	1.20			PCB-175	ND	0.646		
PCB-132/161	0.918			J	PCB-176	ND	0.465		
PCB-133/142	ND	1.12			PCB-177	1.71			J
PCB-134/143	ND	1.09			PCB-178	1.17			J
PCB-135	ND	1.16			PCB-179	1.47			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-02	Date Received:	08-Jun-2015 10:03		
Project:	Soil Pre-Sampling	Sample Size:	11.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34		
Date Collected:	05-Jun-2015 11:25	% Solids:	85.2	Date Analyzed :	17-Jun-15 14:48	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	4.52				Total octaCB	9.39		11.8	
PCB-181	ND	0.619			Total nonaCB	2.11		5.17	
PCB-182/187	5.29				DecaCB	6.69			
PCB-183	0.998			J	Total PCB	110			
PCB-184	ND	0.506							
PCB-185	ND	0.594							
PCB-186	ND	0.464							
PCB-188	ND	0.445							
PCB-189	ND	0.391							
PCB-190	ND	0.394							
PCB-191	ND	0.449							
PCB-192	ND	0.481							
PCB-193	ND	0.451							
PCB-194	1.84			J					
PCB-195	ND		0.744						
PCB-196/203	3.42			J					
PCB-197	ND	0.723							
PCB-198	ND	1.12							
PCB-199	4.13								
PCB-200	ND	0.816							
PCB-201	ND	0.770							
PCB-202	ND		1.65						
PCB-204	ND	0.786							
PCB-205	ND	0.469							
PCB-206	ND		3.06						
PCB-207	0.499			J					
PCB-208	1.61			J					
PCB-209	6.69								
Total monoCB	ND	1.02							
Total diCB	ND	6.58							
Total triCB	9.40		10.0						
Total tetraCB	8.32		11.5						
Total pentaCB	22.3		29.2						
Total hexaCB	32.3								
Total heptaCB	19.6								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-02	Date Received:	08-Jun-2015 10:03		
Project:	Soil Pre-Sampling	Sample Size:	11.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34		
Date Collected:	05-Jun-2015 11:25	% Solids:	85.2	Date Analyzed:	17-Jun-15 14:48	Column:	ZB-1	Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	76.6	5 -145		13C-PCB-170	93.2	10 -145	
13C-PCB-3	76.7	5 -145		13C-PCB-180	88.1	10 -145	
13C-PCB-4	68.0	5 -145		13C-PCB-188	80.9	10 -145	
13C-PCB-11	79.6	5 -145		13C-PCB-189	91.2	10 -145	
13C-PCB-9	73.8	5 -145		13C-PCB-194	93.7	10 -145	
13C-PCB-19	80.2	5 -145		13C-PCB-202	84.1	10 -145	
13C-PCB-28	88.2	5 -145		13C-PCB-206	90.5	10 -145	
13C-PCB-32	83.8	5 -145		13C-PCB-208	83.9	10 -145	
13C-PCB-37	96.3	5 -145		13C-PCB-209	90.3	10 -145	
13C-PCB-47	82.7	5 -145		CRS 13C-PCB-79	92.8	10 -145	
13C-PCB-52	85.8	5 -145		13C-PCB-178	88.6	10 -145	
13C-PCB-54	69.2	5 -145					
13C-PCB-70	87.8	5 -145					
13C-PCB-77	90.8	10 -145					
13C-PCB-80	88.9	10 -145					
13C-PCB-81	88.6	10 -145					
13C-PCB-95	88.7	10 -145					
13C-PCB-97	94.8	10 -145					
13C-PCB-101	91.3	10 -145					
13C-PCB-104	82.0	10 -145					
13C-PCB-105	94.2	10 -145					
13C-PCB-114	93.5	10 -145					
13C-PCB-118	92.7	10 -145					
13C-PCB-123	97.3	10 -145					
13C-PCB-126	98.9	10 -145					
13C-PCB-127	93.4	10 -145					
13C-PCB-138	90.3	10 -145					
13C-PCB-141	88.3	10 -145					
13C-PCB-153	88.2	10 -145					
13C-PCB-155	86.9	10 -145					
13C-PCB-156	90.3	10 -145					
13C-PCB-157	89.7	10 -145					
13C-PCB-159	89.8	10 -145					
13C-PCB-167	90.6	10 -145					
13C-PCB-169	93.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-03
Project:	Soil Pre-Sampling	Sample Size:	10.4 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:20	% Solids:	96.6	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 15:53
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.745			PCB-44	ND	0.563		
PCB-2	0.786			J	PCB-45	ND	0.504		
PCB-3	ND	0.745			PCB-46	ND	0.553		
PCB-4/10	ND	5.30			PCB-47	0.732			J
PCB-5/8	ND	4.21			PCB-48/75	ND	0.370		
PCB-6	ND	4.32			PCB-50	ND	0.522		
PCB-7/9	ND	4.27			PCB-51	ND	0.452		
PCB-11	ND	3.97			PCB-52/69	ND		0.772	
PCB-12/13	ND	4.03			PCB-53	ND	0.462		
PCB-14	ND	3.47			PCB-54	ND	0.397		
PCB-15	ND	3.54			PCB-55	ND	0.298		
PCB-16/32	0.727			J	PCB-56/60	0.562			J
PCB-17	ND	0.420			PCB-57	ND	0.339		
PCB-18	ND		0.535		PCB-58	ND	0.334		
PCB-19	ND	0.515			PCB-61/70	0.891			J
PCB-20/21/33	ND		0.531		PCB-62	ND	0.361		
PCB-22	ND	0.332			PCB-63	ND	0.326		
PCB-23	ND	0.319			PCB-65	ND	0.372		
PCB-24/27	ND	0.309			PCB-66/76	0.609			J
PCB-25	ND	0.352			PCB-67	ND	0.348		
PCB-26	ND	0.312			PCB-68	ND	0.304		
PCB-28	ND		0.748		PCB-73	ND	0.372		
PCB-29	ND	0.319			PCB-74	ND	0.313		
PCB-30	ND	0.326			PCB-77	ND	0.300		
PCB-31	0.690			J	PCB-78	ND	0.310		
PCB-34	ND	0.297			PCB-79	ND	0.316		
PCB-35	ND	0.323			PCB-80	ND	0.277		
PCB-36	ND	0.312			PCB-81	ND	0.283		
PCB-37	ND	0.301			PCB-82	ND	1.01		
PCB-38	ND	0.327			PCB-83	ND	0.627		
PCB-39	ND	0.322			PCB-84/92	ND	0.864		
PCB-40	ND	0.572			PCB-85/116	ND	0.748		
PCB-41/64/71/72	ND		0.617		PCB-86	ND	1.01		
PCB-42/59	ND	0.396			PCB-87/117/125	ND	0.654		
PCB-43/49	ND	0.461			PCB-88/91	ND	0.942		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-03
Project:	Soil Pre-Sampling	Sample Size:	10.4 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:20	% Solids:	96.6	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 15:53
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.929			PCB-136	ND	0.582		
PCB-90/101	ND		1.48		PCB-137	ND	0.694		
PCB-93	ND	0.998			PCB-138/163/164	2.01			J
PCB-94	ND	0.937			PCB-139/149	ND		1.02	
PCB-95/98/102	ND	0.822			PCB-140	ND	0.856		
PCB-96	ND	0.728			PCB-141	ND	0.707		
PCB-97	ND	0.802			PCB-144	ND	0.777		
PCB-99	ND	0.741			PCB-145	ND	0.608		
PCB-100	ND	0.826			PCB-146/165	ND	0.663		
PCB-103	ND	0.822			PCB-147	ND	0.854		
PCB-104	ND	0.630			PCB-148	ND	0.814		
PCB-105	ND		0.713		PCB-150	ND	0.590		
PCB-106/118	1.58			J	PCB-151	ND	0.813		
PCB-107/109	ND	0.564			PCB-152	ND	0.569		
PCB-108/112	ND	0.741			PCB-153	1.52			J
PCB-110	ND		1.11		PCB-154	ND	0.747		
PCB-111/115	ND	0.561			PCB-155	ND	0.555		
PCB-113	ND	0.690			PCB-156	ND	0.508		
PCB-114	ND	0.565			PCB-157	ND	0.526		
PCB-119	ND	0.554			PCB-158/160	ND	0.533		
PCB-120	ND	0.524			PCB-159	ND	0.548		
PCB-121	ND	0.601			PCB-166	ND	0.587		
PCB-122	ND	0.673			PCB-167	ND	0.545		
PCB-123	ND	0.602			PCB-168	ND	0.529		
PCB-124	ND	0.578			PCB-169	ND	0.534		
PCB-126	ND	0.625			PCB-170	ND	0.438		
PCB-127	ND	0.621			PCB-171	ND	0.450		
PCB-128/162	ND	0.648			PCB-172	ND	0.484		
PCB-129	ND	0.796			PCB-173	ND	0.593		
PCB-130	ND	0.888			PCB-174	ND	0.508		
PCB-131	ND	0.848			PCB-175	ND	0.538		
PCB-132/161	ND	0.641			PCB-176	ND	0.387		
PCB-133/142	ND	0.789			PCB-177	ND	0.517		
PCB-134/143	ND	0.770			PCB-178	ND	0.524		
PCB-135	ND	0.834			PCB-179	ND	0.405		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-03
Project:	Soil Pre-Sampling	Sample Size:	10.4 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:20	% Solids:	96.6	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 15:53
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1.10			J	Total octaCB	0.674			
PCB-181	ND	0.485			Total nonaCB	2.29			
PCB-182/187	1.25			J	DecaCB	4.00			
PCB-183	ND	0.460			Total PCB	19.4			
PCB-184	ND	0.421							
PCB-185	ND	0.466							
PCB-186	ND	0.387							
PCB-188	ND	0.370							
PCB-189	ND	0.310							
PCB-190	ND	0.325							
PCB-191	ND	0.352							
PCB-192	ND	0.377							
PCB-193	ND	0.354							
PCB-194	0.674			J					
PCB-195	ND	0.418							
PCB-196/203	ND	0.825							
PCB-197	ND	0.586							
PCB-198	ND	0.907							
PCB-199	ND	0.922							
PCB-200	ND	0.661							
PCB-201	ND	0.624							
PCB-202	ND	0.671							
PCB-204	ND	0.636							
PCB-205	ND	0.296							
PCB-206	1.48			J					
PCB-207	ND	0.327							
PCB-208	0.808			J					
PCB-209	4.00								
Total monoCB	0.786								
Total diCB	ND	5.30							
Total triCB	1.42		3.23						
Total tetraCB	2.79		4.18						
Total pentaCB	1.58		4.88						
Total hexaCB	3.53		4.56						
Total heptaCB	2.35								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-03
Project:	Soil Pre-Sampling	Sample Size:	10.4 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:20	% Solids:	96.6	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 15:53
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	77.2	5 -145		13C-PCB-170	98.2	10 -145	
13C-PCB-3	81.0	5 -145		13C-PCB-180	97.2	10 -145	
13C-PCB-4	73.6	5 -145		13C-PCB-188	86.2	10 -145	
13C-PCB-11	86.7	5 -145		13C-PCB-189	98.6	10 -145	
13C-PCB-9	79.6	5 -145		13C-PCB-194	97.6	10 -145	
13C-PCB-19	85.6	5 -145		13C-PCB-202	90.8	10 -145	
13C-PCB-28	94.4	5 -145		13C-PCB-206	98.3	10 -145	
13C-PCB-32	93.6	5 -145		13C-PCB-208	81.9	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	91.7	5 -145		CRS 13C-PCB-79	96.7	10 -145	
13C-PCB-52	93.8	5 -145		13C-PCB-178	93.5	10 -145	
13C-PCB-54	80.4	5 -145					
13C-PCB-70	93.1	5 -145					
13C-PCB-77	99.0	10 -145					
13C-PCB-80	94.5	10 -145					
13C-PCB-81	97.0	10 -145					
13C-PCB-95	91.7	10 -145					
13C-PCB-97	98.9	10 -145					
13C-PCB-101	94.6	10 -145					
13C-PCB-104	87.0	10 -145					
13C-PCB-105	98.5	10 -145					
13C-PCB-114	96.8	10 -145					
13C-PCB-118	96.7	10 -145					
13C-PCB-123	101	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	98.1	10 -145					
13C-PCB-138	96.1	10 -145					
13C-PCB-141	94.7	10 -145					
13C-PCB-153	93.5	10 -145					
13C-PCB-155	90.8	10 -145					
13C-PCB-156	97.0	10 -145					
13C-PCB-157	96.4	10 -145					
13C-PCB-159	94.5	10 -145					
13C-PCB-167	95.7	10 -145					
13C-PCB-169	101	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-04	Date Received:	08-Jun-2015 10:03		
Project:	Soil Pre-Sampling	Sample Size:	11.3 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34		
Date Collected:	05-Jun-2015 11:20	% Solids:	89.2	Date Analyzed:	17-Jun-15 16:57	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-44	ND	0.602		
PCB-2	ND	1.08			PCB-45	ND	0.530		
PCB-3	ND	1.07			PCB-46	ND	0.582		
PCB-4/10	ND	9.44			PCB-47	0.791			J
PCB-5/8	ND	18.7			PCB-48/75	ND	0.395		
PCB-6	ND	19.2			PCB-50	ND	0.574		
PCB-7/9	ND	18.9			PCB-51	ND	0.475		
PCB-11	ND	17.3			PCB-52/69	0.781			J
PCB-12/13	ND	17.6			PCB-53	ND	0.485		
PCB-14	ND	15.1			PCB-54	ND	0.436		
PCB-15	ND	15.5			PCB-55	ND	0.327		
PCB-16/32	ND	0.405			PCB-56/60	0.788			J
PCB-17	ND	0.444			PCB-57	ND	0.383		
PCB-18	ND	0.479			PCB-58	ND	0.377		
PCB-19	ND	0.538			PCB-61/70	ND		0.933	
PCB-20/21/33	0.769			J	PCB-62	ND	0.386		
PCB-22	ND	0.376			PCB-63	ND	0.368		
PCB-23	ND	0.362			PCB-65	ND	0.398		
PCB-24/27	ND	0.327			PCB-66/76	ND		0.726	
PCB-25	ND	0.399			PCB-67	ND	0.392		
PCB-26	ND	0.354			PCB-68	ND	0.326		
PCB-28	ND		0.834		PCB-73	ND	0.391		
PCB-29	ND	0.362			PCB-74	ND	0.353		
PCB-30	ND	0.340			PCB-77	ND	0.311		
PCB-31	0.972			J	PCB-78	ND	0.343		
PCB-34	ND	0.336			PCB-79	ND	0.347		
PCB-35	ND	0.333			PCB-80	ND	0.304		
PCB-36	ND	0.322			PCB-81	ND	0.313		
PCB-37	ND	0.310			PCB-82	ND	1.14		
PCB-38	ND	0.337			PCB-83	ND	0.658		
PCB-39	ND	0.331			PCB-84/92	ND	0.946		
PCB-40	ND	0.612			PCB-85/116	ND	0.786		
PCB-41/64/71/72	0.881			J	PCB-86	ND	1.06		
PCB-42/59	ND	0.424			PCB-87/117/125	ND	0.687		
PCB-43/49	ND	0.485			PCB-88/91	ND	1.02		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-04	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	11.3 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 11:20	% Solids:	89.2	Date Analyzed:	17-Jun-15 16:57	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.02			PCB-136	ND	0.673		
PCB-90/101	2.21			J	PCB-137	ND	0.560		
PCB-93	ND	1.08			PCB-138/163/164	4.43			J
PCB-94	ND	1.01			PCB-139/149	2.67			J
PCB-95/98/102	ND		0.885		PCB-140	ND	0.989		
PCB-96	ND	0.789			PCB-141	ND	0.570		
PCB-97	ND	0.843			PCB-144	ND	0.899		
PCB-99	ND		1.38		PCB-145	ND	0.703		
PCB-100	ND	0.895			PCB-146/165	0.640			J
PCB-103	ND	0.890			PCB-147	ND	0.987		
PCB-104	ND	0.682			PCB-148	ND	0.941		
PCB-105	1.15			J	PCB-150	ND	0.682		
PCB-106/118	2.02			J	PCB-151	ND	0.940		
PCB-107/109	ND	0.635			PCB-152	ND	0.658		
PCB-108/112	ND	0.778			PCB-153	3.70			
PCB-110	ND		2.25		PCB-154	ND	0.864		
PCB-111/115	ND	0.589			PCB-155	ND	0.642		
PCB-113	ND	0.756			PCB-156	ND	0.401		
PCB-114	ND	0.466			PCB-157	ND	0.415		
PCB-119	ND	0.582			PCB-158/160	ND	0.431		
PCB-120	ND	0.551			PCB-159	ND	0.443		
PCB-121	ND	0.649			PCB-166	ND	0.474		
PCB-122	ND	0.555			PCB-167	ND	0.431		
PCB-123	ND	0.677			PCB-168	ND	0.433		
PCB-124	ND	0.650			PCB-169	ND	0.428		
PCB-126	ND	0.504			PCB-170	ND		0.756	
PCB-127	ND	0.486			PCB-171	ND	0.375		
PCB-128/162	ND		0.684		PCB-172	ND	0.403		
PCB-129	ND	0.643			PCB-173	ND	0.494		
PCB-130	ND	0.717			PCB-174	1.25			J
PCB-131	ND	0.695			PCB-175	ND	0.443		
PCB-132/161	0.611			J	PCB-176	ND	0.318		
PCB-133/142	ND	0.646			PCB-177	ND	0.431		
PCB-134/143	ND	0.631			PCB-178	ND	0.431		
PCB-135	ND	0.964			PCB-179	0.664			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-04
Project:	Soil Pre-Sampling	Sample Size:	11.3 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:20	% Solids:	89.2	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 16:57
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND		1.90		Total octaCB	3.18		4.74	
PCB-181	ND	0.404			Total nonaCB	3.58			
PCB-182/187	2.17			J	DecaCB	7.52			
PCB-183	ND		0.705		Total PCB	40.8			
PCB-184	ND	0.346							
PCB-185	ND	0.388							
PCB-186	ND	0.318							
PCB-188	ND	0.305							
PCB-189	ND	0.257							
PCB-190	ND	0.278							
PCB-191	ND	0.293							
PCB-192	ND	0.314							
PCB-193	ND	0.294							
PCB-194	1.12			J					
PCB-195	0.373			J					
PCB-196/203	ND		1.01						
PCB-197	ND	0.531							
PCB-198	ND	0.822							
PCB-199	1.70			J					
PCB-200	ND	0.599							
PCB-201	ND	0.565							
PCB-202	ND		0.541						
PCB-204	ND	0.577							
PCB-205	ND	0.314							
PCB-206	2.02			J					
PCB-207	0.546			J					
PCB-208	1.01			J					
PCB-209	7.52								
Total monoCB	ND	1.08							
Total diCB	ND	19.2							
Total triCB	1.74		2.58						
Total tetraCB	3.24		4.90						
Total pentaCB	5.37		9.88						
Total hexaCB	12.0		12.7						
Total heptaCB	4.09		7.45						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: GFID #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-04
Project:	Soil Pre-Sampling	Sample Size:	11.3 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 11:20	% Solids:	89.2	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 16:57
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	67.1	5 -145		13C-PCB-170	97.1	10 -145	
13C-PCB-3	71.8	5 -145		13C-PCB-180	94.7	10 -145	
13C-PCB-4	68.4	5 -145		13C-PCB-188	84.6	10 -145	
13C-PCB-11	81.7	5 -145		13C-PCB-189	97.6	10 -145	
13C-PCB-9	71.9	5 -145		13C-PCB-194	97.7	10 -145	
13C-PCB-19	83.7	5 -145		13C-PCB-202	89.9	10 -145	
13C-PCB-28	80.4	5 -145		13C-PCB-206	101	10 -145	
13C-PCB-32	88.2	5 -145		13C-PCB-208	84.9	10 -145	
13C-PCB-37	94.0	5 -145		13C-PCB-209	101	10 -145	
13C-PCB-47	89.3	5 -145		CRS 13C-PCB-79	97.6	10 -145	
13C-PCB-52	90.7	5 -145		13C-PCB-178	96.8	10 -145	
13C-PCB-54	75.6	5 -145					
13C-PCB-70	88.5	5 -145					
13C-PCB-77	96.8	10 -145					
13C-PCB-80	91.3	10 -145					
13C-PCB-81	93.5	10 -145					
13C-PCB-95	89.3	10 -145					
13C-PCB-97	97.7	10 -145					
13C-PCB-101	93.0	10 -145					
13C-PCB-104	83.9	10 -145					
13C-PCB-105	100	10 -145					
13C-PCB-114	95.0	10 -145					
13C-PCB-118	96.0	10 -145					
13C-PCB-123	98.3	10 -145					
13C-PCB-126	103	10 -145					
13C-PCB-127	100	10 -145					
13C-PCB-138	93.8	10 -145					
13C-PCB-141	92.4	10 -145					
13C-PCB-153	90.6	10 -145					
13C-PCB-155	90.2	10 -145					
13C-PCB-156	96.0	10 -145					
13C-PCB-157	95.0	10 -145					
13C-PCB-159	93.2	10 -145					
13C-PCB-167	95.2	10 -145					
13C-PCB-169	97.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #1

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1500507-05	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling		Sample Size:	23.0 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 10:20		% Solids:	43.5	Date Analyzed:	17-Jun-15 18:01	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.622			PCB-44	2.71			
PCB-2	ND	0.683			PCB-45	ND	0.617		
PCB-3	ND	0.681			PCB-46	ND	0.677		
PCB-4/10	ND	4.06			PCB-47	ND		0.934	
PCB-5/8	ND	3.08			PCB-48/75	0.718			J
PCB-6	ND	3.16			PCB-50	ND	0.615		
PCB-7/9	ND	3.12			PCB-51	ND	0.553		
PCB-11	ND		3.46		PCB-52/69	3.91			J
PCB-12/13	ND	2.93			PCB-53	ND	0.565		
PCB-14	ND	2.53			PCB-54	ND	0.467		
PCB-15	ND	2.58			PCB-55	ND	0.351		
PCB-16/32	ND		1.25		PCB-56/60	2.99			J
PCB-17	ND	0.460			PCB-57	ND	0.414		
PCB-18	ND		1.93		PCB-58	ND	0.408		
PCB-19	ND	0.593			PCB-61/70	5.99			
PCB-20/21/33	ND		1.35		PCB-62	ND	0.469		
PCB-22	1.41			J	PCB-63	ND	0.399		
PCB-23	ND	0.444			PCB-65	ND	0.483		
PCB-24/27	ND	0.339			PCB-66/76	5.33			
PCB-25	ND	0.490			PCB-67	ND	0.425		
PCB-26	ND	0.434			PCB-68	ND	0.395		
PCB-28	4.14				PCB-73	ND	0.455		
PCB-29	ND	0.444			PCB-74	1.70			J
PCB-30	ND	0.375			PCB-77	1.61			J
PCB-31	3.64				PCB-78	ND	0.388		
PCB-34	ND	0.413			PCB-79	ND	0.373		
PCB-35	ND	0.435			PCB-80	ND	0.326		
PCB-36	ND	0.421			PCB-81	ND	0.354		
PCB-37	2.52				PCB-82	ND		0.788	
PCB-38	ND	0.440			PCB-83	ND	0.723		
PCB-39	ND	0.434			PCB-84/92	4.45			J
PCB-40	ND	0.742			PCB-85/116	4.90			J
PCB-41/64/71/72	ND		2.55		PCB-86	ND	1.16		
PCB-42/59	0.836			J	PCB-87/117/125	5.01			J
PCB-43/49	3.42			J	PCB-88/91	1.85			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-05	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	23.0 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 10:20	% Solids:	43.5	Date Analyzed :	17-Jun-15 18:01	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.09			PCB-136	ND		1.12	
PCB-90/101	15.1				PCB-137	1.51			J
PCB-93	ND	1.17			PCB-138/163/164	35.1			
PCB-94	ND	1.10			PCB-139/149	15.6			
PCB-95/98/102	6.74			J	PCB-140	ND	0.954		
PCB-96	ND	0.874			PCB-141	3.06			
PCB-97	2.71				PCB-144	ND	0.867		
PCB-99	10.8				PCB-145	ND	0.679		
PCB-100	ND	0.992			PCB-146/165	4.28			J
PCB-103	ND	0.987			PCB-147	ND	0.952		
PCB-104	ND	0.756			PCB-148	ND	0.907		
PCB-105	8.28				PCB-150	ND	0.658		
PCB-106/118	23.7				PCB-151	ND		4.29	
PCB-107/109	2.03			J	PCB-152	ND	0.635		
PCB-108/112	ND	0.854			PCB-153	28.6			
PCB-110	17.7				PCB-154	ND	0.833		
PCB-111/115	0.445			J	PCB-155	ND	0.619		
PCB-113	ND	0.809			PCB-156	3.04			
PCB-114	ND	0.631			PCB-157	1.09			J
PCB-119	ND	0.639			PCB-158/160	2.74			J
PCB-120	ND	0.605			PCB-159	ND	0.639		
PCB-121	ND	0.708			PCB-166	ND	0.684		
PCB-122	ND	0.752			PCB-167	1.61			J
PCB-123	0.503			J	PCB-168	ND	0.629		
PCB-124	1.44			J	PCB-169	ND	0.675		
PCB-126	ND	0.708			PCB-170	ND		4.60	
PCB-127	ND	0.673			PCB-171	1.60			J
PCB-128/162	6.93				PCB-172	1.23			J
PCB-129	0.925			J	PCB-173	ND	0.739		
PCB-130	ND		2.64		PCB-174	5.99			
PCB-131	ND	1.01			PCB-175	ND	0.609		
PCB-132/161	3.65			J	PCB-176	0.505			J
PCB-133/142	1.10			J	PCB-177	ND		3.77	
PCB-134/143	0.661			J	PCB-178	1.99			J
PCB-135	ND		2.28		PCB-179	2.92			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-05	Date Received:	08-Jun-2015 10:03		
Project:	Soil Pre-Sampling	Sample Size:	23.0 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34		
Date Collected:	05-Jun-2015 10:20	% Solids:	43.5	Date Analyzed :	17-Jun-15 18:01	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	8.05				Total octaCB	13.5		18.2	
PCB-181	ND	0.605			Total nonaCB	7.52			
PCB-182/187	9.52				DecaCB	6.32			
PCB-183	2.10			J	Total PCB	320			
PCB-184	ND	0.477							
PCB-185	ND	0.581							
PCB-186	ND	0.438							
PCB-188	ND	0.419							
PCB-189	ND	0.395							
PCB-190	1.39			J					
PCB-191	ND	0.439							
PCB-192	ND	0.470							
PCB-193	0.862			J					
PCB-194	3.09								
PCB-195	1.65			J					
PCB-196/203	ND		4.70						
PCB-197	ND	0.748							
PCB-198	ND	1.16							
PCB-199	6.98								
PCB-200	ND	0.844							
PCB-201	ND	0.797							
PCB-202	1.77			J					
PCB-204	ND	0.813							
PCB-205	ND	0.445							
PCB-206	4.87								
PCB-207	0.648			J					
PCB-208	2.01			J					
PCB-209	6.32								
Total monoCB	ND	0.683							
Total diCB	ND		3.46						
Total triCB	11.7		16.2						
Total tetraCB	29.2		32.7						
Total pentaCB	106								
Total hexaCB	110		120						
Total heptaCB	36.2		44.5						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-05
Project:	Soil Pre-Sampling	Sample Size:	23.0 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 10:20	% Solids:	43.5	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 18:01
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	81.8	5 -145		13C-PCB-170	94.8	10 -145	
13C-PCB-3	78.9	5 -145		13C-PCB-180	91.8	10 -145	
13C-PCB-4	72.0	5 -145		13C-PCB-188	86.2	10 -145	
13C-PCB-11	84.5	5 -145		13C-PCB-189	91.6	10 -145	
13C-PCB-9	78.2	5 -145		13C-PCB-194	95.3	10 -145	
13C-PCB-19	85.1	5 -145		13C-PCB-202	86.9	10 -145	
13C-PCB-28	90.2	5 -145		13C-PCB-206	94.4	10 -145	
13C-PCB-32	92.4	5 -145		13C-PCB-208	87.0	10 -145	
13C-PCB-37	98.1	5 -145		13C-PCB-209	93.7	10 -145	
13C-PCB-47	97.5	5 -145		CRS 13C-PCB-79	99.0	10 -145	
13C-PCB-52	98.4	5 -145		13C-PCB-178	92.9	10 -145	
13C-PCB-54	84.0	5 -145					
13C-PCB-70	92.9	5 -145					
13C-PCB-77	97.6	10 -145					
13C-PCB-80	95.4	10 -145					
13C-PCB-81	95.5	10 -145					
13C-PCB-95	90.2	10 -145					
13C-PCB-97	96.8	10 -145					
13C-PCB-101	94.4	10 -145					
13C-PCB-104	90.1	10 -145					
13C-PCB-105	103	10 -145					
13C-PCB-114	99.3	10 -145					
13C-PCB-118	94.8	10 -145					
13C-PCB-123	97.9	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	103	10 -145					
13C-PCB-138	94.1	10 -145					
13C-PCB-141	94.7	10 -145					
13C-PCB-153	94.0	10 -145					
13C-PCB-155	89.9	10 -145					
13C-PCB-156	94.9	10 -145					
13C-PCB-157	93.7	10 -145					
13C-PCB-159	95.1	10 -145					
13C-PCB-167	94.9	10 -145					
13C-PCB-169	93.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-07	Date Received:	08-Jun-2015 10:03		
Project:	Soil Pre-Sampling	Sample Size:	13.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34		
Date Collected:	05-Jun-2015 10:25	% Solids:	73.0	Date Analyzed :	17-Jun-15 19:06	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.592			PCB-44	1.68			J
PCB-2	ND	0.629			PCB-45	ND	0.436		
PCB-3	ND	0.628			PCB-46	ND	0.478		
PCB-4/10	ND	3.05			PCB-47	0.739			J
PCB-5/8	ND	2.56			PCB-48/75	ND	0.319		
PCB-6	ND	2.62			PCB-50	ND	0.434		
PCB-7/9	ND	2.59			PCB-51	ND	0.390		
PCB-11	ND	2.38			PCB-52/69	ND		1.38	
PCB-12/13	ND	2.41			PCB-53	ND	0.399		
PCB-14	ND	2.08			PCB-54	ND	0.329		
PCB-15	ND	2.12			PCB-55	ND	0.275		
PCB-16/32	ND	0.354			PCB-56/60	1.08			J
PCB-17	ND	0.388			PCB-57	ND	0.305		
PCB-18	ND	0.418			PCB-58	ND	0.300		
PCB-19	ND	0.479			PCB-61/70	2.12			J
PCB-20/21/33	ND		0.578		PCB-62	ND	0.312		
PCB-22	ND	0.335			PCB-63	ND	0.293		
PCB-23	ND	0.322			PCB-65	ND	0.322		
PCB-24/27	ND	0.286			PCB-66/76	1.36			J
PCB-25	ND	0.355			PCB-67	ND	0.313		
PCB-26	ND	0.315			PCB-68	ND	0.263		
PCB-28	0.934			J	PCB-73	ND	0.321		
PCB-29	ND	0.322			PCB-74	0.636			J
PCB-30	ND	0.303			PCB-77	ND		0.361	
PCB-31	1.04			J	PCB-78	ND	0.292		
PCB-34	ND	0.300			PCB-79	ND	0.291		
PCB-35	ND	0.315			PCB-80	ND	0.255		
PCB-36	ND	0.305			PCB-81	ND	0.266		
PCB-37	ND		0.599		PCB-82	ND	0.970		
PCB-38	ND	0.319			PCB-83	ND	0.578		
PCB-39	ND	0.314			PCB-84/92	2.18			J
PCB-40	ND	0.494			PCB-85/116	1.37			J
PCB-41/64/71/72	1.12			J	PCB-86	ND	0.930		
PCB-42/59	ND	0.342			PCB-87/117/125	1.95			J
PCB-43/49	1.11			J	PCB-88/91	ND	0.840		

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-07	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	13.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 10:25	% Solids:	73.0	Date Analyzed :	17-Jun-15 19:06	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.841			PCB-136	0.836			J
PCB-90/101	6.51				PCB-137	ND		0.449	
PCB-93	ND	0.889			PCB-138/163/164	11.3			
PCB-94	ND	0.835			PCB-139/149	6.16			
PCB-95/98/102	2.80			J	PCB-140	ND	0.805		
PCB-96	ND	0.645			PCB-141	ND		1.28	
PCB-97	1.76			J	PCB-144	ND	0.731		
PCB-99	3.17				PCB-145	ND	0.572		
PCB-100	ND	0.732			PCB-146/165	1.43			J
PCB-103	ND	0.728			PCB-147	ND	0.803		
PCB-104	ND	0.558			PCB-148	ND	0.765		
PCB-105	2.13			J	PCB-150	ND	0.555		
PCB-106/118	6.00				PCB-151	1.90			J
PCB-107/109	0.624			J	PCB-152	ND	0.535		
PCB-108/112	ND	0.683			PCB-153	10.7			
PCB-110	6.80				PCB-154	ND	0.703		
PCB-111/115	ND	0.518			PCB-155	ND	0.522		
PCB-113	ND	0.625			PCB-156	1.33			J
PCB-114	ND	0.451			PCB-157	ND	0.470		
PCB-119	ND	0.511			PCB-158/160	ND		0.859	
PCB-120	ND	0.484			PCB-159	ND	0.466		
PCB-121	ND	0.536			PCB-166	ND	0.499		
PCB-122	ND	0.537			PCB-167	0.547			J
PCB-123	ND	0.575			PCB-168	ND	0.480		
PCB-124	ND	0.552			PCB-169	ND	0.482		
PCB-126	ND	0.476			PCB-170	1.96			J
PCB-127	ND	0.471			PCB-171	0.818			J
PCB-128/162	1.99			J	PCB-172	0.676			J
PCB-129	ND	0.744			PCB-173	ND	0.551		
PCB-130	1.02			J	PCB-174	2.47			J
PCB-131	ND	0.770			PCB-175	ND	0.484		
PCB-132/161	1.87			J	PCB-176	ND	0.348		
PCB-133/142	ND	0.716			PCB-177	1.46			J
PCB-134/143	ND	0.699			PCB-178	0.884			J
PCB-135	1.20			J	PCB-179	0.982			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-07
Project:	Soil Pre-Sampling	Sample Size:	13.8 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 10:25	% Solids:	73.0	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 19:06
				Column:	ZB-1
				Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	5.17				Total octaCB	6.11		8.13	
PCB-181	ND	0.451			Total nonaCB	3.08		4.00	
PCB-182/187	3.85			J	DecaCB	2.87			
PCB-183	1.30			J	Total PCB	120			
PCB-184	ND	0.379							
PCB-185	ND	0.433							
PCB-186	ND	0.348							
PCB-188	ND	0.333							
PCB-189	ND	0.289							
PCB-190	0.597			J					
PCB-191	ND	0.327							
PCB-192	ND	0.350							
PCB-193	0.513			J					
PCB-194	1.68			J					
PCB-195	0.539			J					
PCB-196/203	ND		2.02						
PCB-197	ND	0.546							
PCB-198	ND	0.846							
PCB-199	2.96								
PCB-200	ND	0.616							
PCB-201	ND	0.582							
PCB-202	0.930			J					
PCB-204	ND	0.593							
PCB-205	ND	0.293							
PCB-206	2.56								
PCB-207	0.516			J					
PCB-208	ND		0.920						
PCB-209	2.87								
Total monoCB	ND	0.629							
Total diCB	ND	3.05							
Total triCB	1.97		3.15						
Total tetraCB	9.84		11.6						
Total pentaCB	35.3								
Total hexaCB	40.3		42.9						
Total heptaCB	20.7								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-07	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	13.8 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 10:25	% Solids:	73.0	Date Analyzed:	17-Jun-15 19:06	Column:	ZB-1
				Analyst:	DMS		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.8	5 -145		13C-PCB-170	99.7	10 -145	
13C-PCB-3	90.2	5 -145		13C-PCB-180	97.3	10 -145	
13C-PCB-4	82.5	5 -145		13C-PCB-188	86.1	10 -145	
13C-PCB-11	91.2	5 -145		13C-PCB-189	99.4	10 -145	
13C-PCB-9	83.8	5 -145		13C-PCB-194	99.6	10 -145	
13C-PCB-19	92.7	5 -145		13C-PCB-202	90.2	10 -145	
13C-PCB-28	86.0	5 -145		13C-PCB-206	100	10 -145	
13C-PCB-32	98.2	5 -145		13C-PCB-208	85.3	10 -145	
13C-PCB-37	96.9	5 -145		13C-PCB-209	102	10 -145	
13C-PCB-47	95.2	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	96.9	5 -145		13C-PCB-178	94.7	10 -145	
13C-PCB-54	86.0	5 -145					
13C-PCB-70	94.9	5 -145					
13C-PCB-77	99.9	10 -145					
13C-PCB-80	95.7	10 -145					
13C-PCB-81	96.6	10 -145					
13C-PCB-95	94.2	10 -145					
13C-PCB-97	99.5	10 -145					
13C-PCB-101	96.8	10 -145					
13C-PCB-104	89.9	10 -145					
13C-PCB-105	103	10 -145					
13C-PCB-114	97.8	10 -145					
13C-PCB-118	96.8	10 -145					
13C-PCB-123	101	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	101	10 -145					
13C-PCB-138	94.0	10 -145					
13C-PCB-141	93.8	10 -145					
13C-PCB-153	91.8	10 -145					
13C-PCB-155	92.7	10 -145					
13C-PCB-156	97.7	10 -145					
13C-PCB-157	98.3	10 -145					
13C-PCB-159	97.1	10 -145					
13C-PCB-167	97.6	10 -145					
13C-PCB-169	99.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-08	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	11.6 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 10:25	% Solids:	86.4	Date Analyzed :	17-Jun-15 20:10	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.841			PCB-44	ND		1.78	
PCB-2	ND	0.927			PCB-45	ND	0.823		
PCB-3	ND	0.925			PCB-46	ND	0.903		
PCB-4/10	ND	4.59			PCB-47	1.86			J
PCB-5/8	ND	3.61			PCB-48/75	ND	0.626		
PCB-6	ND	3.71			PCB-50	ND	0.828		
PCB-7/9	ND	3.66			PCB-51	ND	0.738		
PCB-11	ND	3.30			PCB-52/69	2.32			J
PCB-12/13	ND	3.33			PCB-53	ND	0.754		
PCB-14	ND	2.87			PCB-54	ND	0.629		
PCB-15	ND	2.93			PCB-55	ND	0.506		
PCB-16/32	ND	0.432			PCB-56/60	2.71			J
PCB-17	ND	0.473			PCB-57	ND	0.556		
PCB-18	ND	0.511			PCB-58	ND	0.548		
PCB-19	ND	0.595			PCB-61/70	6.35			
PCB-20/21/33	1.60			J	PCB-62	ND	0.612		
PCB-22	ND		0.994		PCB-63	ND	0.536		
PCB-23	ND	0.464			PCB-65	ND	0.631		
PCB-24/27	ND	0.348			PCB-66/76	4.15			J
PCB-25	ND	0.512			PCB-67	ND	0.571		
PCB-26	ND	0.454			PCB-68	ND	0.516		
PCB-28	3.40				PCB-73	ND	0.607		
PCB-29	ND	0.465			PCB-74	1.76			J
PCB-30	ND	0.376			PCB-77	1.33			J
PCB-31	2.84				PCB-78	ND	0.537		
PCB-34	ND	0.432			PCB-79	0.465			J
PCB-35	ND	0.478			PCB-80	ND	0.471		
PCB-36	ND	0.462			PCB-81	ND	0.490		
PCB-37	1.71			J	PCB-82	1.91			J
PCB-38	ND	0.484			PCB-83	ND	1.04		
PCB-39	ND	0.477			PCB-84/92	5.76			
PCB-40	ND	0.969			PCB-85/116	5.36			
PCB-41/64/71/72	2.16			J	PCB-86	ND	1.67		
PCB-42/59	ND	0.672			PCB-87/117/125	7.57			
PCB-43/49	3.34			J	PCB-88/91	2.25			J

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

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The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-08	Date Received:	08-Jun-2015 10:03
Project:	Soil Pre-Sampling	Sample Size:	11.6 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34
Date Collected:	05-Jun-2015 10:25	% Solids:	86.4	Date Analyzed :	17-Jun-15 20:10	Column:	ZB-1 Analyst: DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.49			PCB-136	2.31			J
PCB-90/101	30.8				PCB-137	2.68			
PCB-93	ND	1.55			PCB-138/163/164	53.6			
PCB-94	ND	1.46			PCB-139/149	29.4			
PCB-95/98/102	5.89			J	PCB-140	0.454			J
PCB-96	ND	1.18			PCB-141	7.39			
PCB-97	5.04				PCB-144	ND		1.02	
PCB-99	14.7				PCB-145	ND	0.920		
PCB-100	ND	1.34			PCB-146/165	7.82			
PCB-103	ND	1.33			PCB-147	ND		0.773	
PCB-104	ND	1.02			PCB-148	ND	1.23		
PCB-105	8.41				PCB-150	ND	0.891		
PCB-106/118	22.5				PCB-151	6.20			
PCB-107/109	2.37			J	PCB-152	ND	0.860		
PCB-108/112	0.971			J	PCB-153	73.2			
PCB-110	23.2				PCB-154	ND	1.13		
PCB-111/115	0.464			J	PCB-155	ND	0.839		
PCB-113	ND	1.11			PCB-156	5.27			
PCB-114	ND				PCB-157	1.70			J
PCB-119	0.525			J	PCB-158/160	4.57			J
PCB-120	ND	0.868			PCB-159	ND	0.507		
PCB-121	ND	0.935			PCB-166	0.359			J
PCB-122	ND				PCB-167	3.01			
PCB-123	ND	0.996			PCB-168	ND	0.514		
PCB-124	1.70			J	PCB-169	ND	0.512		
PCB-126	ND				PCB-170	10.3			
PCB-127	ND				PCB-171	2.65			
PCB-128/162	8.42				PCB-172	2.41			J
PCB-129	1.76			J	PCB-173	ND	0.660		
PCB-130	4.24				PCB-174	10.4			
PCB-131	ND	0.824			PCB-175	ND	0.579		
PCB-132/161	7.40				PCB-176	ND		0.890	
PCB-133/142	1.18			J	PCB-177	ND		6.14	
PCB-134/143	1.45			J	PCB-178	3.30			
PCB-135	3.76				PCB-179	4.79			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-08	Date Received:	08-Jun-2015 10:03		
Project:	Soil Pre-Sampling	Sample Size:	11.6 g	QC Batch:	B5F0055	Date Extracted:	12-Jun-2015 9:34		
Date Collected:	05-Jun-2015 10:25	% Solids:	86.4	Date Analyzed :	17-Jun-15 20:10	Column:	ZB-1	Analyst:	DMS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	23.9				Total octaCB	38.0			
PCB-181	ND	0.540			Total nonaCB	13.6		14.6	
PCB-182/187	17.9				DecaCB	12.1			
PCB-183	5.60				Total PCB	554			
PCB-184	ND	0.453							
PCB-185	1.33			J					
PCB-186	ND	0.416							
PCB-188	ND	0.398							
PCB-189	0.879			J					
PCB-190	2.96								
PCB-191	0.536			J					
PCB-192	ND	0.420							
PCB-193	1.47			J					
PCB-194	6.59								
PCB-195	2.62								
PCB-196/203	10.0								
PCB-197	ND	0.638							
PCB-198	0.483			J					
PCB-199	12.1								
PCB-200	1.06			J					
PCB-201	1.29			J					
PCB-202	3.44								
PCB-204	ND	0.693							
PCB-205	0.346			J					
PCB-206	9.88								
PCB-207	ND		0.989						
PCB-208	3.77								
PCB-209	12.1								
Total monoCB	ND	0.927							
Total diCB	ND	4.59							
Total triCB	9.55		10.5						
Total tetraCB	26.5		28.2						
Total pentaCB	139								
Total hexaCB	226		228						
Total heptaCB	88.5		95.5						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: L2 #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1500507-08
Project:	Soil Pre-Sampling	Sample Size:	11.6 g	Date Received:	08-Jun-2015 10:03
Date Collected:	05-Jun-2015 10:25	% Solids:	86.4	QC Batch:	B5F0055
				Date Analyzed:	17-Jun-15 20:10
				Column:	ZB-1
				Analyst:	DMS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	72.7	5 -145		13C-PCB-170	92.0	10 -145	
13C-PCB-3	72.4	5 -145		13C-PCB-180	90.7	10 -145	
13C-PCB-4	69.0	5 -145		13C-PCB-188	81.6	10 -145	
13C-PCB-11	81.6	5 -145		13C-PCB-189	93.4	10 -145	
13C-PCB-9	72.2	5 -145		13C-PCB-194	92.9	10 -145	
13C-PCB-19	81.0	5 -145		13C-PCB-202	83.9	10 -145	
13C-PCB-28	78.3	5 -145		13C-PCB-206	90.8	10 -145	
13C-PCB-32	87.0	5 -145		13C-PCB-208	81.7	10 -145	
13C-PCB-37	89.3	5 -145		13C-PCB-209	95.8	10 -145	
13C-PCB-47	91.2	5 -145		CRS 13C-PCB-79	95.9	10 -145	
13C-PCB-52	91.5	5 -145		13C-PCB-178	91.9	10 -145	
13C-PCB-54	80.0	5 -145					
13C-PCB-70	89.9	5 -145					
13C-PCB-77	95.1	10 -145					
13C-PCB-80	91.1	10 -145					
13C-PCB-81	92.5	10 -145					
13C-PCB-95	90.7	10 -145					
13C-PCB-97	94.5	10 -145					
13C-PCB-101	91.0	10 -145					
13C-PCB-104	84.5	10 -145					
13C-PCB-105	96.5	10 -145					
13C-PCB-114	93.7	10 -145					
13C-PCB-118	94.7	10 -145					
13C-PCB-123	97.8	10 -145					
13C-PCB-126	101	10 -145					
13C-PCB-127	96.5	10 -145					
13C-PCB-138	90.0	10 -145					
13C-PCB-141	89.5	10 -145					
13C-PCB-153	88.0	10 -145					
13C-PCB-155	88.5	10 -145					
13C-PCB-156	92.8	10 -145					
13C-PCB-157	91.6	10 -145					
13C-PCB-159	90.9	10 -145					
13C-PCB-167	91.4	10 -145					
13C-PCB-169	95.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1500507

Yes No

Storage ID: WR-2

Temp 25.4 °C

Project I.D.: SOIL PRE-SAMPLING

P.O.# _____

Sampler: STEVEN PATTON

(Name)

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Invoice to: Name CHERS SHEETS Company WWBWC Address 810 S. MAIN ST City MILTON-FREE WATER State OR Zip 97862 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) [Signature] STEVEN PATTON Date: 6/5/15 Time: 12:30 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) [Signature] URS Date: _____ Time: _____ Received by: (Signature and Printed Name) [Signature] B. Benedict Date: 06/08/15 Time: 1605

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

Method of Shipment: _____

Add Analysis(es) Requested

ATTN: _____

Tracking No.: _____

Container(s)

Quantity	Type	Matrix	Add Analysis(es) Requested																
			2318-TODD	2318-TCDD/TCDF	PCDD/PCDF	2318-TODD	2318-TCDD/TCDF	PCDD/PCDF	2318-TODD	2318-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	EPA1613	EPA8290	EPA8280

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2318-TODD	2318-TCDD/TCDF	PCDD/PCDF	2318-TODD	2318-TCDD/TCDF	PCDD/PCDF	2318-TODD	2318-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	EPA1613	EPA8290	EPA8280	EPA1668	EPA1614	CARB429				
GFIID #3	6/5/15	11:25	SURFACE	1	G	SD																						X		
GFIID #4	6/5/15	11:25	PROJECT DEPTH	1	G	SD																							X	
GFIID #1	6/5/15	11:20	SURFACE	1	G	SD																							X	
GFIID #2	6/5/15	11:20	PROJECT DEPTH	1	G	SD																							X	
L2 #1	6/5/15	10:20	SURFACE	1	G	SD																							X	
L2 #2	6/5/15	10:20	PROJECT DEPTH	1	G	SD																							X	
L2 #3	6/5/15	10:25	SURFACE	1	G	SD																								X
L2 #4	6/5/15	10:25	PROJECT DEPTH	1	G	SD																								X

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTON
Company: WWBWC
Address: _____
City: _____ State: _____ Zip: _____
Phone: 541-938-2170 Fax: _____
Email: steven.patton@wwbwc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O = Other _____

*Bottle Preservative Type: T = Thiosulfate, O = Other _____

WHITE - ORIGINAL

YELLOW - ARCHIVE

PINK - COPY

SAMPLE LOG-IN CHECKLIST



1500507

Std

Vista Project #: _____ TAT _____

Samples Arrival:	Date/Time 06/08/15 1003	Initials: UBB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 06/08/15 1210	Initials: UBB	Location: WR-2
			Shelf/Rack: E4
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 25.3 (uncorrected)	Time: 1003		Thermometer ID: IR-1
Temp °C: 25.4 (corrected)			

*

	YES	NO	NA
Adequate Sample Volume Received?			
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # 1Z62E3F70106422361	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?	✓		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?			<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments: * Melted

Chain of Custody Anomaly/Sample Acceptance Form



Client: Walla Walla Basin Watershed Council
 Contact: Steven Patten
 Email: steven.patten@wwbwc.org
 Phone: (541) 938-2170

Workorder Number: 1500507
 Date Received: 08-Jun-15 10:03
 Documented by/date: B.Benedict 06/08/2015

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis.

Thank you,

Martha Maier
 mmaier@vista-analytical.com
 916-673-1520

The following information or item is needed to proceed with analysis:

- | | | | | | |
|-------------------------------------|--|--------------------------|------------------------------------|--------------------------|------------------|
| <input type="checkbox"/> | Complete Chain-of-Custody | <input type="checkbox"/> | Preservative | <input type="checkbox"/> | Collector's Name |
| <input type="checkbox"/> | Test Method Requested | <input type="checkbox"/> | Sample Identification | <input type="checkbox"/> | Sample Type |
| <input type="checkbox"/> | Analyte List Requested | <input type="checkbox"/> | Sample Collection Date and/or Time | <input type="checkbox"/> | Sample Location |
| <input checked="" type="checkbox"/> | Other: Sample listed on COC ID: "L2 #2" not received in shipment.
Sample listed on COC ID "L2 #1/ Surface" received two jars one clear one amber. | | | | |

The following anomalies were noted. Authorization is needed to proceed with analysis.

- | | | | |
|-------------------------------------|---------------------------------|--------------------------|------------------------------|
| <input checked="" type="checkbox"/> | Temperature outside < 6°C Range | Samples Affected: | <u>All Samples in cooler</u> |
| | Temperature 25.4_°C | Ice Present? | Yes / Melted |
| <input type="checkbox"/> | Sample ID Discrepancy | <input type="checkbox"/> | Insufficient Sample Size |
| <input type="checkbox"/> | Sample Holding Time Missed | <input type="checkbox"/> | Sample Container(s) Broken |
| <input type="checkbox"/> | Custody Seals Broken | <input type="checkbox"/> | Incorrect Container Type |

Comments:

Client Authorization	
Proceed with Analysis: <input checked="" type="radio"/> YES <input type="radio"/> NO	Signature and Date <u>Jim Colalis</u>
Client Comments/Instructions <u>per email of 6/9/15</u>	



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 19, 2015

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 15-11377 - Locher Road Soils

Dear Mr. Steve Patten,

Your project: Locher Road Soils, was received on Monday June 08, 2015.

All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25658
Field ID: GFID #4
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	0.055		mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	0.084		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	0.004		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	0.003		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

Notes:

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 D.F. - Dilution Factor.

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25657
Field ID: GFID #3
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
72-55-9	4,4' - DDE	0.0097		mg/Kg	0.0004	0.0004		1.00	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.00	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25656
Field ID: GFID #2
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	116		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	0.0056		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25655
Field ID: GFID #1
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
72-55-9	4,4' - DDE	0.003		mg/Kg	0.0004	0.0004		1.00	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.00	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25654
Field ID: L2 #4
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25653
Field ID: L2 #3
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	S
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.00	a	S
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.00	a	S
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.00	a	S
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.00	a	S
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	S
72-55-9	4,4' - DDE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
72-54-8	4,4' - DDD	ND		mg/Kg	0.0004	0.0004		1.00	a	S
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	S
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.00	a	S
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.00	a	S
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.00	a	S
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.00	a	S
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	S
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.00	a	S
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.00	a	S
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.00	a	S
8001-35-2	TOXAPHENE	ND		mg/Kg	0.25	0.25		1.00	a	S

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25652
Field ID: L2 #2
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.00080	0.0004		2.00	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.00080	0.0004		2.00	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.00080	0.0004		2.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.00080	0.0004		2.00	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.00080	0.0004		2.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.00080	0.0004		2.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.00080	0.0004		2.00	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.00080	0.0004		2.00	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.00080	0.0004		2.00	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.00080	0.0004		2.00	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.00080	0.0004		2.00	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.00080	0.0004		2.00	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.00080	0.0004		2.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.00080	0.0004		2.00	a	
72-20-8	ENDRIN	ND		mg/Kg	0.00080	0.0004		2.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.00080	0.0004		2.00	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.00080	0.0004		2.00	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.00080	0.0004		2.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.00080	0.0004		2.00	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.00080	0.0004		2.00	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.500	0.25		2.00	a	

Notes:

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 D.F. - Dilution Factor.

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25651
Field ID: L2 #1
Sample Description: Surface
Matrix: Soil
Sample Date: 6/5/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0009	0.0004		2.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0009	0.0004		2.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0009	0.0004		2.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0009	0.0004		2.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0009	0.0004		2.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0009	0.0004		2.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0009	0.0004		2.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0018	0.0004		2.20	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0106	0.0004		2.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0009	0.0004		2.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0009	0.0004		2.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0009	0.0004		2.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0009	0.0004		2.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0009	0.0004		2.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0009	0.0004		2.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0009	0.0004		2.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0009	0.0004		2.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0009	0.0004		2.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0009	0.0004		2.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0009	0.0004		2.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.550	0.25		2.20	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25650
Field ID: LCR #4
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0006	0.0004		1.40	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0006	0.0004		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.40	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0006	0.0004		1.40	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0006	0.0004		1.40	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0006	0.0004		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0006	0.0004		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0006	0.0004		1.40	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0006	0.0004		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0006	0.0004		1.40	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0006	0.0004		1.40	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.350	0.25		1.40	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25649
Field ID: LCR #3
Sample Description: Surface
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	100		mg/Kg	0.0006	0.0004		1.45	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0006	0.0004		1.45	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0006	0.0004		1.45	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0006	0.0004		1.45	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0006	0.0004		1.45	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.45	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0006	0.0004		1.45	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0006	0.0004		1.45	a	
72-55-9	4,4' - DDE	0.001		mg/Kg	0.0006	0.0004		1.45	a	
72-54-8	4,4' - DDD	0.001		mg/Kg	0.0006	0.0004		1.45	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0006	0.0004		1.45	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0006	0.0004		1.45	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0006	0.0004		1.45	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0006	0.0004		1.45	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0006	0.0004		1.45	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0006	0.0004		1.45	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0006	0.0004		1.45	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0006	0.0004		1.45	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0006	0.0004		1.45	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0006	0.0004		1.45	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.363	0.25		1.45	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25648
Field ID: LCR #2
Sample Description: Project Depth
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/8/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/10/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0005	0.0004		1.20	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0005	0.0004		1.20	a	
50-29-3	4,4' - DDT	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
72-55-9	4,4' - DDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-54-8	4,4' - DDD	ND		mg/Kg	0.0005	0.0004		1.20	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0005	0.0004		1.20	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0005	0.0004		1.20	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0005	0.0004		1.20	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0005	0.0004		1.20	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0005	0.0004		1.20	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0005	0.0004		1.20	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0005	0.0004		1.20	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.300	0.25		1.20	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **15-11377**
Project: Locher Road Soils

Lab Number: 25647
Field ID: LCR #1
Sample Description: Surface
Matrix: Soil
Sample Date: 6/3/15
Extraction Date: 6/10/15
Extraction Method: 3540C

Report Date: 6/19/15
Date Analyzed: 6/16/15
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_150608
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-84-6	BHC, ALPHA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-85-7	BHC, BETA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		mg/Kg	0.0004	0.0004		1.10	a	
319-86-8	BHC, DELTA -	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-71-9	ALPHA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
5103-74-2	GAMMA-CHLORDANE	ND		mg/Kg	0.0004	0.0004		1.10	a	
50-29-3	4,4' - DDT	0.0061	CV	mg/Kg	0.0004	0.0004		1.10	a	
72-55-9	4,4' - DDE	0.0074		mg/Kg	0.0004	0.0004		1.10	a	
72-54-8	4,4' - DDD	0.0007		mg/Kg	0.0004	0.0004		1.10	a	
60-57-1	DIELDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
959-98-8	ENDOSULFAN I	ND		mg/Kg	0.0004	0.0004		1.10	a	
33213-65-1	ENDOSULFAN II	ND		mg/Kg	0.0004	0.0004		1.10	a	
1031-07-8	ENDOSULFAN SULFATE	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-20-8	ENDRIN	ND		mg/Kg	0.0004	0.0004		1.10	a	
7421-93-4	ENDRIN ALDEHYDE	ND		mg/Kg	0.0004	0.0004		1.10	a	
53494-70-1	ENDRIN KETONE	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
76-44-8	HEPTACHLOR	ND	CV	mg/Kg	0.0004	0.0004		1.10	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		mg/Kg	0.0004	0.0004		1.10	a	
72-43-5	METHOXYCHLOR	ND		mg/Kg	0.0004	0.0004		1.10	a	
8001-35-2	TOXAPHENE	ND		mg/Kg	0.275	0.25		1.10	a	

Notes:

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D.F. - Dilution Factor.

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Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:		For Lab Use Only
Ship Address:	810 S Main Street	Address:		Ref #
City:	Milton-Freewe St. OR zip: 97862	City:		Check Regulatory Program
Attn:	Steven Patten	Phone:		<input type="checkbox"/> Safe Drinking Water Act
Phone:	541.938-2170 FAX:	P.O.#:		<input type="checkbox"/> Clean Water Act
Email:	steven.patten@wwbwc.org	Attn:		<input type="checkbox"/> RCRA / CERCLA
Project:	Locher Rd Soils	Card#:		<input checked="" type="checkbox"/> Other

ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Analyses Requested

- Instructions**
- Use one line per sample Location.
 - Be specific in analysis requests.
 - (NEW) List each metal individually. (NEW)
 - Check off analyses to be performed for each sample Location.
 - Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	8081A Soil	Nitrate - Total P	For Lab Use Only					Containers	
1	LLR #1	S	S	6-3-15	11:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
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4	LLR #4	S	S	6-3-15	11:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
5	LLR #1	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
6	LLR #2	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
7	LLR #3	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
8	LLR #4	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
9	LLR #1	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
10	LLR #2	S	S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2

Sampled by: Steven Patten Phone: 541-938-2170 FAX: Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email)

* W - water DW - drinking water SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other _____

Relinquished by *[Signature]*

Date: 6-3-15 13:15 Time: 13:15 Received by: WPS

Custody seals intact Yes No N/A

Sample temp 20 satisfactory

Samples received intact

Chain of custody & labels agree



Special Instructions
Conditions on Receipt

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)



EDGE ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Wahur St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9180 SW Pioneer Ct. Suite W Willsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour Bill to: _____
 Ship Address: 810 S Main Street Address: _____
 City: Milton-Freewe St. OR zip: 97862 City: _____ St: _____ Zip: _____
 Attn: Steven Patten Phone: _____ FAX: _____
 Phone: 541.938-2170 FAX: _____ P.O.#: _____ Attn: _____
 Email: steven.patten@wwbc.org Visa M/C A/E Expires: _____ / _____
 Project: Locher Rd Soils Card#: _____

Instructions

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. (NEW) List each metal individually (NEW)
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.

Turn Around Time Required
 Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) (Phone Call Req.)
 Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A Soil	Nitrate - Total P	Analyses Requested					Number of Containers	Special Instructions Conditions on Receipt	
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2	L2 #2 <u>POSTER DEPTH</u>	G	S	6/5/15	10:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
3	L2 #3 <u>STRATE</u>	G	S	6/5/15	10:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
4	L2 #4 <u>POSTER DEPTH</u>	G	S	6/5/15	10:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
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6	L2 #2 <u>POSTER DEPTH</u>	G	S	6/5/15	10:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
7	L2 #3 <u>STRATE</u>	G	S	6/5/15	10:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
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9	L2 #1 <u>STRATE</u>	G	S	6/5/15	11:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
10	L2 #2 <u>POSTER DEPTH</u>	G	S	6/5/15	11:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
Sampled by: <u>STEVEN PATTEN</u> Phone: <u>541-938-2170</u> FAX: _____						Email: <u>steven.patten@wwbc.org</u>						Total Containers			

Sample Receipt Request (Must include FAX or Email) * W - water DW - drinking water SW - surface water GW - Ground water WW - waste water S - soil OL - oil Other _____

Relinquished by: [Signature] Date: 6-5-15 Time: 12:33 Received by: [Signature] Date: 6-5-15 Time: 10:20

Custody seals intact Yes No N/A
 Sample temp 20C satisfactory
 Samples received intact
 Chain of custody & labels agree

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)



EDGE ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Warrat St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to:	For Lab Use Only	
Ship Address: 810 S Main Street	Address:	Ref #	
City: Milton-Freewe st	OR zip: 97862	City:	St:
Attn: Steven Patten	Phone: Steven Patten	FAX:	Zip:
Phone: 541.938-2170	FAX: 541.938-2170	P.O.#:	Attn:
Email: steven.patten@wwbwc.org	Card#:	<input type="checkbox"/> Visa	<input type="checkbox"/> M/C
Project: Locher Rd Soils		<input type="checkbox"/> A/E	Expires: /

Instructions

- Use one line per sample location.
- Be specific in analysis requests.
- (NEW) List each metal individually. (NEW)
- Check off analyses to be performed for each sample location.
- Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge) Phone Call Req.
 Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A Soil	Nitrate - Total P	Analyses Requested										Number of Containers	Special Instructions Conditions on Receipt				
1	AFDD #3	SURFACE	G	6/5/15	11:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2		
2	AFDD #4	PROJECT DEPTIC	G	6/5/15	11:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
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Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: Email: steven.patten@wwbwc.org

Sample Receipt Request (Must include FAX or Email) * W - water SW - surface water WW - waste water OL - oil
 DW - drinking water GW - Ground water S - soil Other _____

Relinquished by: [Signature] Date: 6/5/15 Time: 12:30 Received by: [Signature] Date: 6/5/15 Time: 10:00

Custody seals intact Yes No N/A
 Sample temp C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A



**APPENDIX C - WALLA WALLA BASIN AQUIFER RECHARGE WATER QUALITY
AND WATER LEVEL MONITORING QUALITY ASSURANCE PROJECT PLAN**

Walla Walla Basin Aquifer Recharge
Water Quality and Water Level Monitoring
Quality Assurance Project Plan



Steven Patten
Senior Environmental Scientist
Walla Walla Basin Watershed Council

- FINAL PLAN -

June 2015 – Version 1.3

APPROVAL SIGNATURES



Steven Patten, Walla Walla Basin Watershed Council

6-30-15

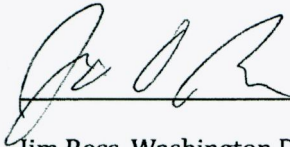
Date



Mike Kuttel, Washington Department of Ecology (WQ)

6/26/2015

Date



Jim Ross, Washington Department of Ecology (EAP)

6/26/2015

Date

TABLE OF CONTENTS

Approval Signatures.....	i
Revision History.....	v
Distribution List.....	vi
Background and Project Description	1
Project Area.....	1
Known Contaminants and TMDLs.....	4
Previous Aquifer Recharge Activities.....	4
Project Goals.....	4
Project Objectives.....	5
Study Boundary.....	5
Project Tasks	5
Walla Walla Basin Recharge Sites.....	6
Locher Road	6
Site Description.....	6
Geology and Hydrogeology.....	8
Water Quality Sampling	8
Stiller Pond.....	14
Site Description.....	14
Geology and Hydrogeology.....	17
Groundwater Quality.....	18
Water and Soil Quality Sampling.....	19
Last Chance Road.....	24
Site Description.....	24
Geology and Hydrogeology.....	24
Water Quality Sampling	26
WA Mud Creek.....	31
Site Description.....	31
Geology and Hydrogeology.....	31
Water and Soil Quality Sampling.....	34
Organization and Schedule.....	39
Personnel	39

Project Schedule.....	40
Quality Objectives.....	41
Measurement Quality Objectives	41
Sampling Process.....	42
Sample Containers, Preservation and Holding Times	42
Measurement Methods.....	45
Sampling Locations and Schedule.....	50
Locations	50
Schedule.....	50
Sampling Order.....	50
Sample Comparability.....	50
Sampling Procedures	51
Procedures.....	51
Decontamination.....	51
Sample Identification	51
Sample Transportation	51
Chain-of-Custody	52
Field notes	52
Measurement Procedures.....	55
Procedures.....	55
Measurement Methods.....	55
Field Measurements	55
Laboratory Measurements.....	55
Quality Control.....	56
Quality Control Sampling	56
Field Measurements	56
Laboratory Measurements.....	56
Data Management Procedures.....	57
Field Notes.....	57
Laboratory Data Package	58
Data Storage and Availability	58
Reporting	58

Reporting Schedule.....	58
Report Components.....	58
Data Verification, Validation and Quality Assessment.....	59
Data Verification & Validation Procedures.....	59
References	60
Appendix A – WWBWC Standard Operating Procedures	
Appendix B – Standard Operating Procedures for Sampling of Pesticides in Surface Waters – EAP 003. Environmental Assessment Program, Washington State Department of Ecology.	
Appendix C – Monitoring Well As-Built Logs	

REVISION HISTORY

Revision Date	Revision Number	Summary of Changes	Sections Changed	Reviser(s)
03/2013	1.0	Creation of QAPP Document	All	Steven Patten
04/2013	1.1	WDOE Comments/Changes	Sampling Process and Quality Control	Steven Patten, Mike Kuttel, Jim Ross
05/2013	1.2	WDOE Comments/Changes	Metals Lab Measurements	Mike Kuttel, Jim Ross
03/2015	1.3	Added Last Chance Road & WA Mud Creek AR Sites, changed water quality requirements for the Locher Road site, added Arsenic to all sites	Reviewed & Updated entire QAPP	Steven Patten

DISTRIBUTION LIST

This document will be made available to the public, agencies and grant funders through the Walla Walla Basin Watershed Council's website (www.wwbwc.org). Internal distribution of the document will occur through the WWBWC's internal server. All field and technical personnel will be given an electronic copy of this document. A printed version will be available in the WWBWC office. This document will be redistributed to personnel and uploaded to the WWBWC server and website upon revision.

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Eric Hartwig	Washington Department of Ecology	Water Resources Program - Water Master		509-540-7680	ehar461@ecy.wa.gov
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BACKGROUND AND PROJECT DESCRIPTION

The Walla Walla River basin is located in northeast Oregon and southeast Washington. The Walla Walla basin has a very productive agricultural community that relies upon the watershed's water resources, both surface water and groundwater. Most of the basin's surface water systems have been developed to benefit agricultural or municipal uses. Increasing demand for water and limited surface water supply during the summer and fall has led to extensive development of groundwater resources as well. Historically, portions of the Walla Walla River and Touchet River went dry due to diversions. With the listing of steelhead and bull trout as threatened under the Endangered Species Act, local irrigation districts signed an agreement with US Fish and Wildlife Service to leave a significant portion of their water rights (25-27 cfs in Oregon and 18 cfs in Washington) instream to benefit the ESA-listed species. This agreement led to further development of the alluvial and basalt aquifers to supplement reduced surface water diversions. Also, to increase efficiency, many of the canals and ditches across the Walla Walla Valley have been piped to reduce delivery system seepage loss. The combination of increased groundwater usage (over many decades), an expanding number of canals and ditches being piped and a reduction in floodplain function precipitated by development along surface water bodies and flood control systems has resulted in declining groundwater levels throughout much of the alluvial aquifer. The alluvial aquifer is in direct hydraulic connection with many of the basin's rivers, streams and creeks (Marti, 2005 and WWBWC, 2014).

The Walla Walla Basin Aquifer Recharge Program is addressing the need to stabilize and restore the alluvial aquifer and thus improve low-flow conditions in hydraulically connected streams. Unlike many other aquifer recharge projects being implemented nationally and internationally, Walla Walla alluvial aquifer recharge projects are not currently being implemented for aquifer storage and recovery (commonly referred to as ASR). Although some use of the improved aquifer is likely occurring at wells down gradient of the current aquifer recharge (AR) sites, the primary purpose is for public and regional benefit to restore the aquifer and enhance or support groundwater contributions to instream flow thereby maximizing the resource's potential with multiple benefits for aquatic life, recreational water use, domestic use, and irrigation use (WWBWC, 2013a).

PROJECT AREA

The Walla Walla Watershed covers approximately 1,758 square miles in northeast Oregon and southeast Washington (Figure 1). The primary water body is the Walla Walla River. The Walla Walla River's main tributaries include the Touchet River, Mill Creek, Pine Creek, Dry Creek (OR), Dry Creek (WA), and Couse Creek. Individual projects in the Walla Walla Basin Aquifer Recharge Program are located on the valley floor generally north and west of Milton-Freewater, OR, south and west of Walla Walla, WA and south and east of Touchet, WA (Figure 2).

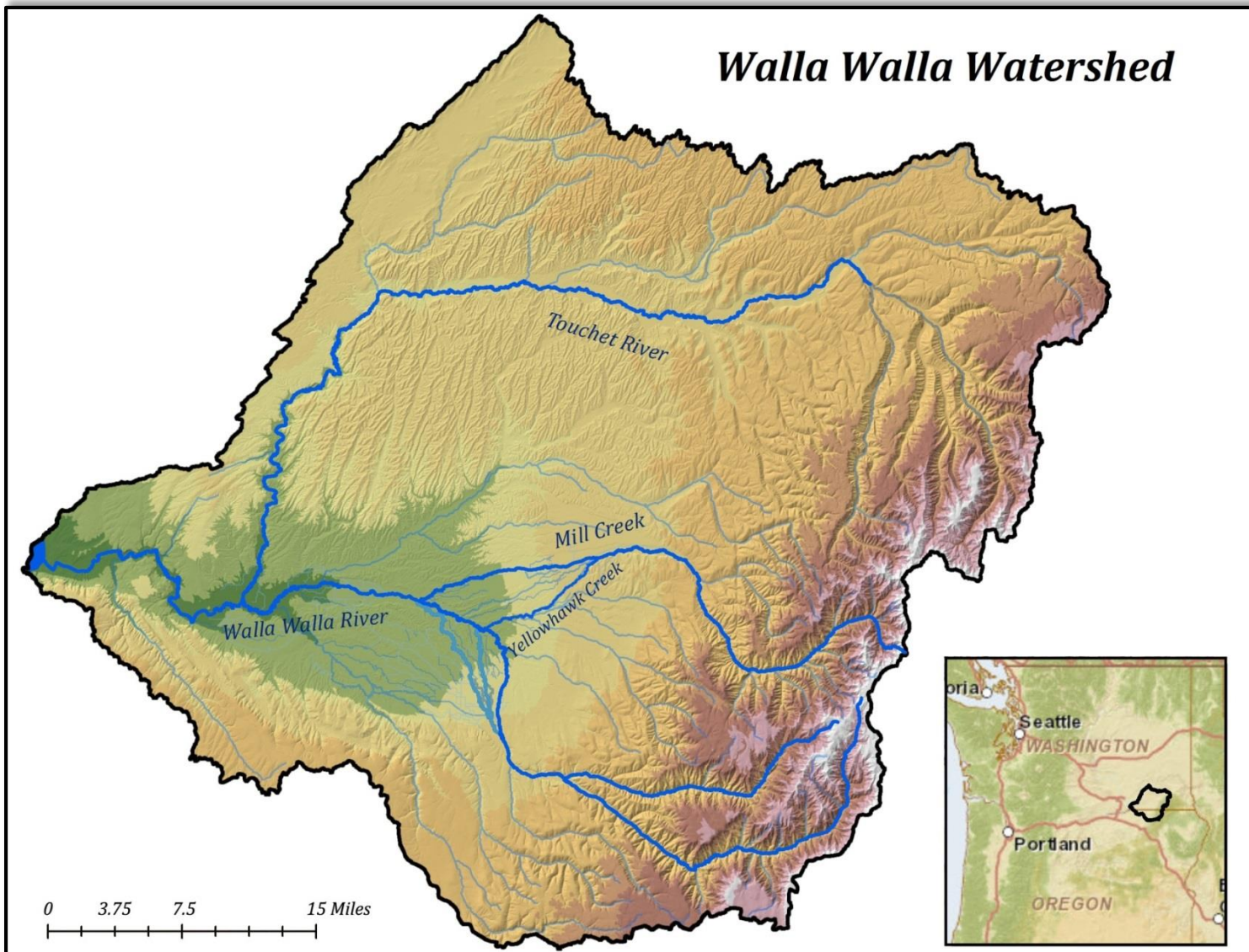


Figure 1 - Map of the Walla Walla Watershed.

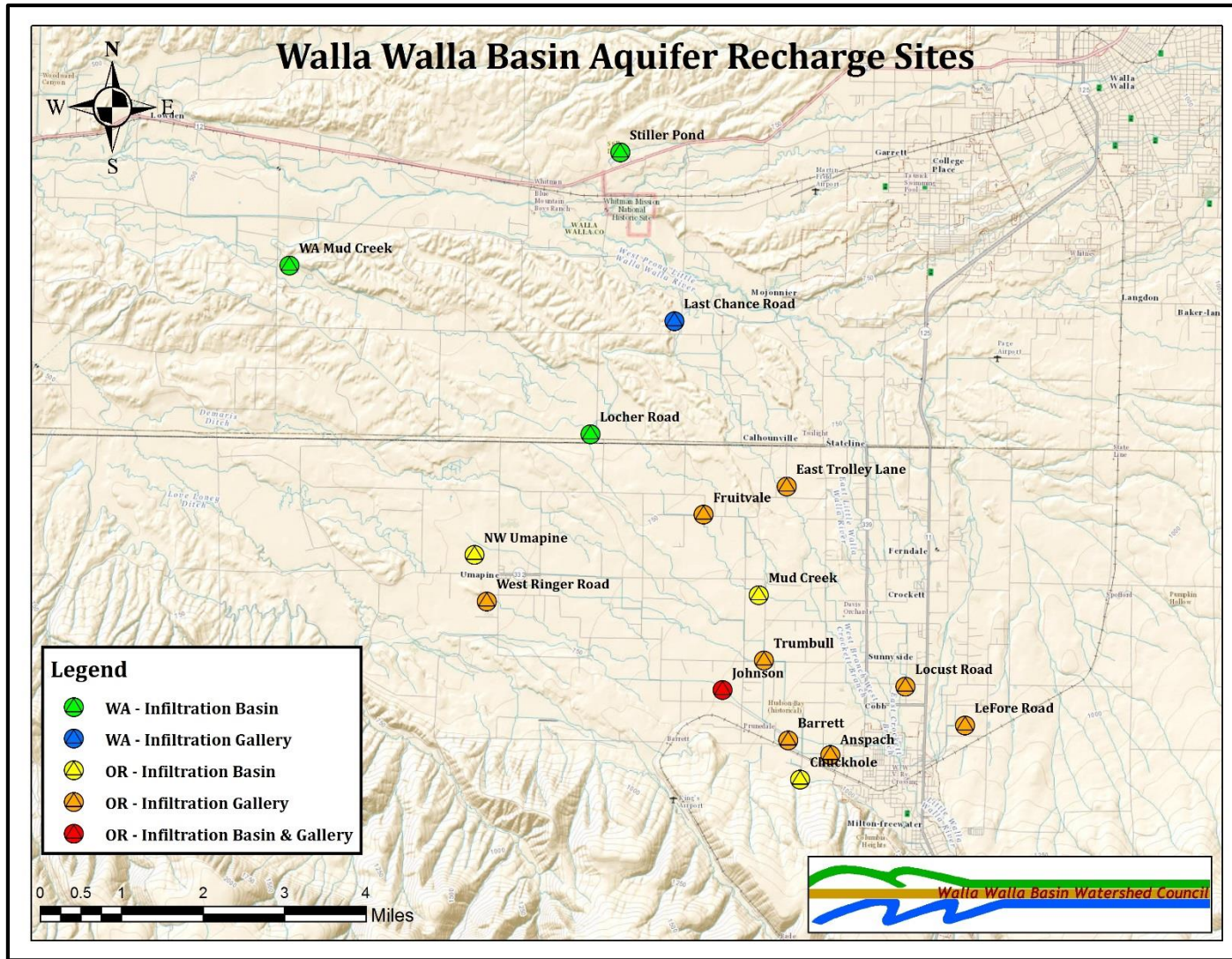


Figure 2- Current and proposed aquifer recharge projects within the Walla Walla Basin Aquifer Recharge Program.

KNOWN CONTAMINANTS AND TMDLS

Some surface waters in the Walla Walla basin have Total Maximum Daily Loads (TMDL) Water Cleanup Plans developed for the following parameters:

- ◆ Chlorinated pesticides and Polychlorinated Biphenyls (PCBs)
- ◆ Fecal Coliform Bacteria
- ◆ Temperature
- ◆ Dissolved oxygen and pH

For this Quality Assurance Project Plan (QAPP) the first three TMDLs apply. The first TMDL, chlorinated pesticides and PCBs, requires additional monitoring to ensure groundwater quality is not degraded pursuant to WAC 173-200. The fecal coliform bacteria TMDL will also require water quality monitoring to ensure groundwater quality is not degraded. Aquifer recharge may help address this TMDL because of the natural attenuation of bacteria as recharge water migrates through the alluvial sediments before reemerging as surface water down gradient. The temperature TMDL does not require additional monitoring, but similar to the fecal coliform bacteria TMDL, aquifer recharge may help address high surface water temperatures. Recharge water, sourced during the winter and spring, typically has low water temperatures which can help reduce surface water temperatures through cool groundwater inputs down gradient of recharge sites.

PREVIOUS AQUIFER RECHARGE ACTIVITIES

A total of eight aquifer recharge projects have operated in the Walla Walla basin. For an overview of pilot project activities and results please see WWBWC, 2010, WWBWC, 2013a WWBWC 2013c, and WWBWC 2015.

PROJECT GOALS

The overall goal of the Walla Walla Basin Aquifer Recharge Program is to utilize aquifer recharge to stabilize and recover the Walla Walla basin's alluvial aquifer to build aquifer storage, decrease stream seepage loss, mimic floodplain processes and increase spring flows and baseflows in streams, creeks and rivers. In conjunction with the overall goal, the program also focuses on water quality issues. The water quality goals for the program are two-fold. First to ensure that aquifer recharge does not degrade groundwater resources and second to use aquifer recharge to help improve water quality by reducing fecal coliform contamination, cooling stream temperatures and others parameters.

PROJECT OBJECTIVES

The Walla Walla Basin Aquifer Recharge Program has three main goals (see above). Below are objectives for achieving those goals.

- ◆ Monitor groundwater levels and temperature at each recharge site as well as up and down gradient of the site.
- ◆ Monitor surface water levels and temperature at each recharge site as well as up and down gradient of the site.
- ◆ Collect water quality data during recharge operations.
- ◆ Analyze data for status/trend changes and for water quality improvements (or degradation).
- ◆ Develop reports that contain the data and Analyses for the previous objectives

To meet these goals and objectives, the following data are needed:

- ◆ Groundwater levels and temperature, monitored with pressure transducers
- ◆ Surface water stage and temperature, monitored with water level sensors
- ◆ Water quality samples (see below for details)
- ◆ Volume and timing of recharge water delivered to each site

STUDY BOUNDARY

The study boundary for this project is the extent of the alluvial aquifer in the Walla Walla basin, specifically on the Washington side of the border (Figure 3).

PROJECT TASKS

The main project tasks include:

- ◆ Surface water quantity monitoring for effectiveness monitoring, instream flow minimums and to ensure recharge activities are not impeding other water rights.
- ◆ Source water (surface water) quality monitoring to account for potential contaminants in the recharge water.
- ◆ Surface water delivery, both volume and timing, to each recharge site.
- ◆ Regional groundwater level monitoring.
- ◆ Site specific groundwater level monitoring
- ◆ Groundwater quality testing to detect existing conditions (up gradient) and influences from recharge operations (down gradient).
- ◆ Site operations – managing diversion into each project as canal/ditch levels change.

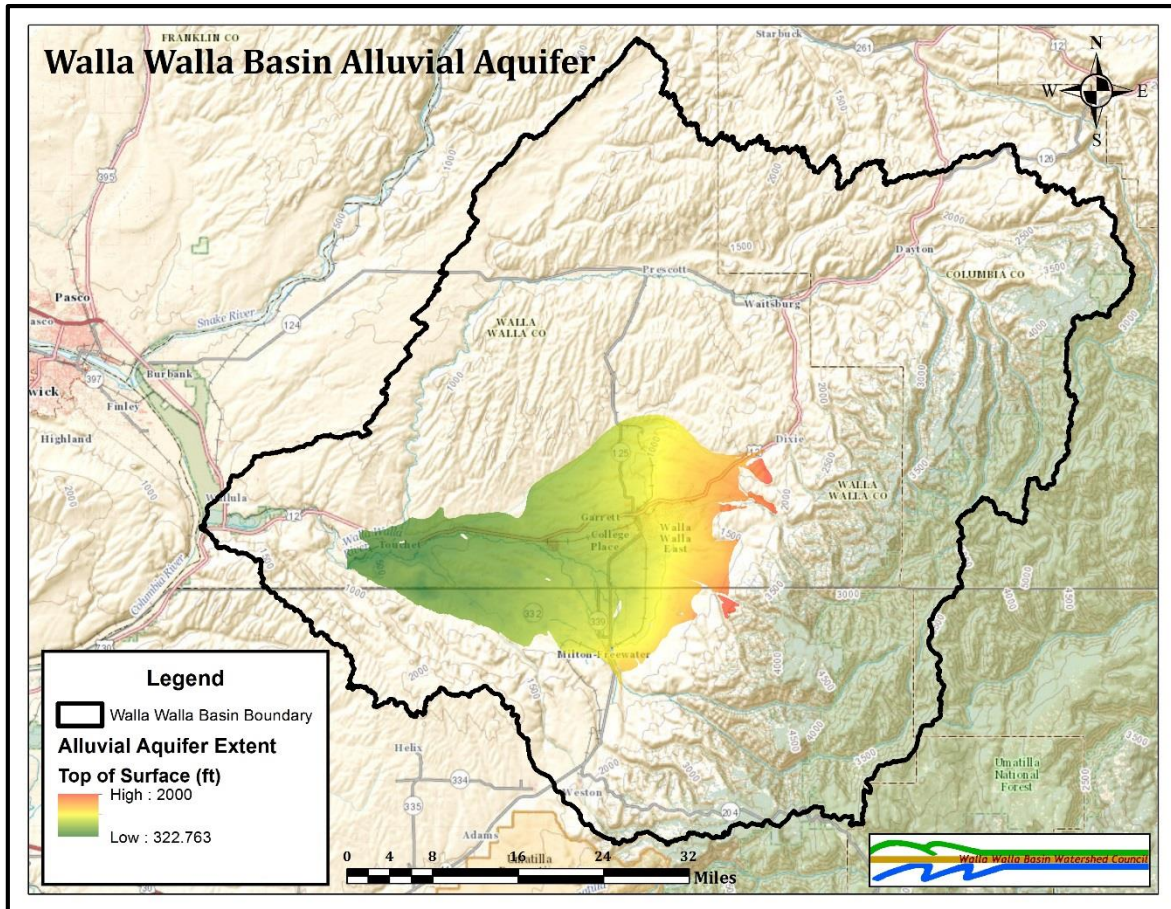


Figure 3 - The study boundary for the Walla Walla Basin Aquifer Recharge Program is the alluvial aquifer.

WALLA WALLA BASIN RECHARGE SITES

LOCHER ROAD

SITE DESCRIPTION

The description of the geologic and hydrogeologic setting of the project is based upon Kennedy/Jenks Consultants (2003), Initial Reconnaissance of Several Possible SAR Sites in the Walla Walla Basin.

The Locher Road Aquifer Recharge Project is located west of Walla Walla, WA and is just north of the Oregon-Washington stateline (Figure 2). The project is located at the intersection of Stateline and Locher Roads (NE ¼, NE ¼, Section 18, Township 6 North, Range 35 East). The project utilizes an excavated and shaped basin within a historic gravel quarry (Figure 4).



Figure 4- The Locher Road Aquifer Recharge Project during expansion activities in late 2011. The project was expanded from ~1/3 acre basin to a ~2 acre basin. The project basin is located within a historic gravel quarry.

The gravel quarry is approximately 800 feet long (north to south) and approximately 500 feet wide (east to west). The quarry has a depth of approximately 15-20 feet. The north end of the gravel quarry is less than 200 feet from the Gardena Farms Canal. The project is surrounded by agricultural farming land and low density rural residential plots (including small scale farming or pastures).

GEOLOGY AND HYDROGEOLOGY

The gravel quarry is excavated into a thin (less than 5 feet thick) layer of uncemented gravel overlying red-brown (iron?) stained, partially cemented and indurated gravel assigned to the Mio-Pliocene conglomerate unit. Except for a thin (< 3 feet thick) layer of topsoil, Touchet Beds, loess and other fine-grained deposits are not found in the immediate area, the Quaternary alluvial gravel unit which normally overlies Mio-Pliocene conglomerate is interpreted to be relatively thin (< 10-15 feet-thick) in the gravel quarry area. Within the confines of the quarry, the alluvial gravel unit (Quaternary unit) has been removed and the Mio-Pliocene conglomerate unit extends from the quarry floor to an estimated depth of approximately 260 feet. A more comprehensive description of the geology of this project can be found in Kennedy/Jenks (2003), GSI (2007), GSI (2008) and GSI (2009).

The uppermost aquifer beneath the project is hosted by the Mio-Pliocene conglomerate. This aquifer is unconfined and is referred to as the suprabasalt aquifer (also known as the alluvial aquifer or the shallow gravel aquifer). The Washington Department of Ecology (Ecology) has been monitoring water levels in the suprabasalt aquifer in a well (commonly referred to as the “Ecology well” and is GW_57 in the WWBWC monitoring network) found immediately adjacent to the project. The well is located just north of the gravel quarry and south of the Gardena Farms Canal. The data from this well indicates the suprabasalt aquifer water table lies between approximately 20-45 feet below the ground surface and its depth varies with the use of the nearby Gardena Farms Canal. Based upon the results of multiple years of aquifer recharge operations, the site has demonstrated it has good infiltration rates (WWBWC, 2013a and WWBWC, 2013c).

For additional information regarding the geology and hydrogeology please see Newcomb (1965). Also see WWBWC, 2012 for regional information on the alluvial aquifer water levels.

WATER QUALITY SAMPLING

The schedule for the Locher Road site is listed below. Each of the samples includes all of the water parameters listed below in the Measurement Methods. See Figure 5 for well and source water sampling locations.

SAMPLING SCHEDULE

Location	Sample	Date
Up Gradient Well – GW_70	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (close) – GW_72	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (distal) – GW_71	Pre-operations Sample	~ Dec 1 st - March 1 st
Source Water – S308	Pre-operations Sample	~ Dec 1 st - March 1 st
Up Gradient Well – GW_70	Mid-operations Sample	~April 15 th
Down Gradient Well (close) – GW_72	Mid-operations Sample	~April 15 th
Down Gradient Well (distal) – GW_71	Mid-operations Sample	~April 15 th
Source Water – S308	Mid-operations Sample	~April 15 th
Up Gradient Well – GW_70	Post-operations Sample	~ May 31 st
Down Gradient Well (close) – GW_72	Post-operations Sample	~ May 31 st
Down Gradient Well (distal) – GW_71	Post-operations Sample	~ May 31 st
Source Water – S308	Post-operations Sample	~ May 31 st

SAMPLING PARAMETERS

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Water Temperature	Surface Water	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Water Temperature	Groundwater	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Specific Conductance	Surface Water	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
Specific Conductance	Groundwater	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
pH	Surface Water	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
pH	Groundwater	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
Dissolved Oxygen	Surface Water	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Barium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Barium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Chromium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Chromium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Lead	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Lead	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Mercury	Surface Water	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Mercury	Groundwater	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Selenium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Selenium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Silver	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Silver	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Fluoride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Fluoride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Endrin	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Endrin	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
1,1,1-Trichloroethane	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
1,1,1-Trichloroethane	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
2-4 D	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2-4 D	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
Total Coliform Bacteria	Surface Water	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Total Coliform Bacteria	Groundwater	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Copper	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Copper	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Iron	Surface Water	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Iron	Groundwater	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Manganese	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Manganese	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Zinc	Surface Water	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Zinc	Groundwater	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Chloride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Chloride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Sulfate	Surface Water	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Sulfate	Groundwater	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Total Dissolved Solids	Surface Water	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Total Dissolved Solids	Groundwater	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Foaming Agents	Surface Water	Pre, Mid & Post Operations	0.05 mg/L	N/A
Foaming Agents	Groundwater	Pre, Mid & Post Operations	0.05 mg/L	N/A
Corrosivity	Surface Water	Pre, Mid & Post Operations	Noncorrosive	N/A
Corrosivity	Groundwater	Pre, Mid & Post Operations	Noncorrosive	N/A
Color	Surface Water	Pre, Mid & Post Operations	15 Color Units	N/A
Color	Groundwater	Pre, Mid & Post Operations	15 Color Units	N/A
Odor	Surface Water	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Odor	Groundwater	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Nitrate (as N)	Surface Water	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Groundwater	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
Total Phosphorus (Dissolved & Particulate)	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus (Dissolved & Particulate)	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Carbonate & Bicarbonate	Surface Water	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Carbonate & Bicarbonate	Groundwater	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Turbidity	Surface Water	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Turbidity	Groundwater	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Arsenic	Surface Water	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125
Arsenic	Groundwater	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125

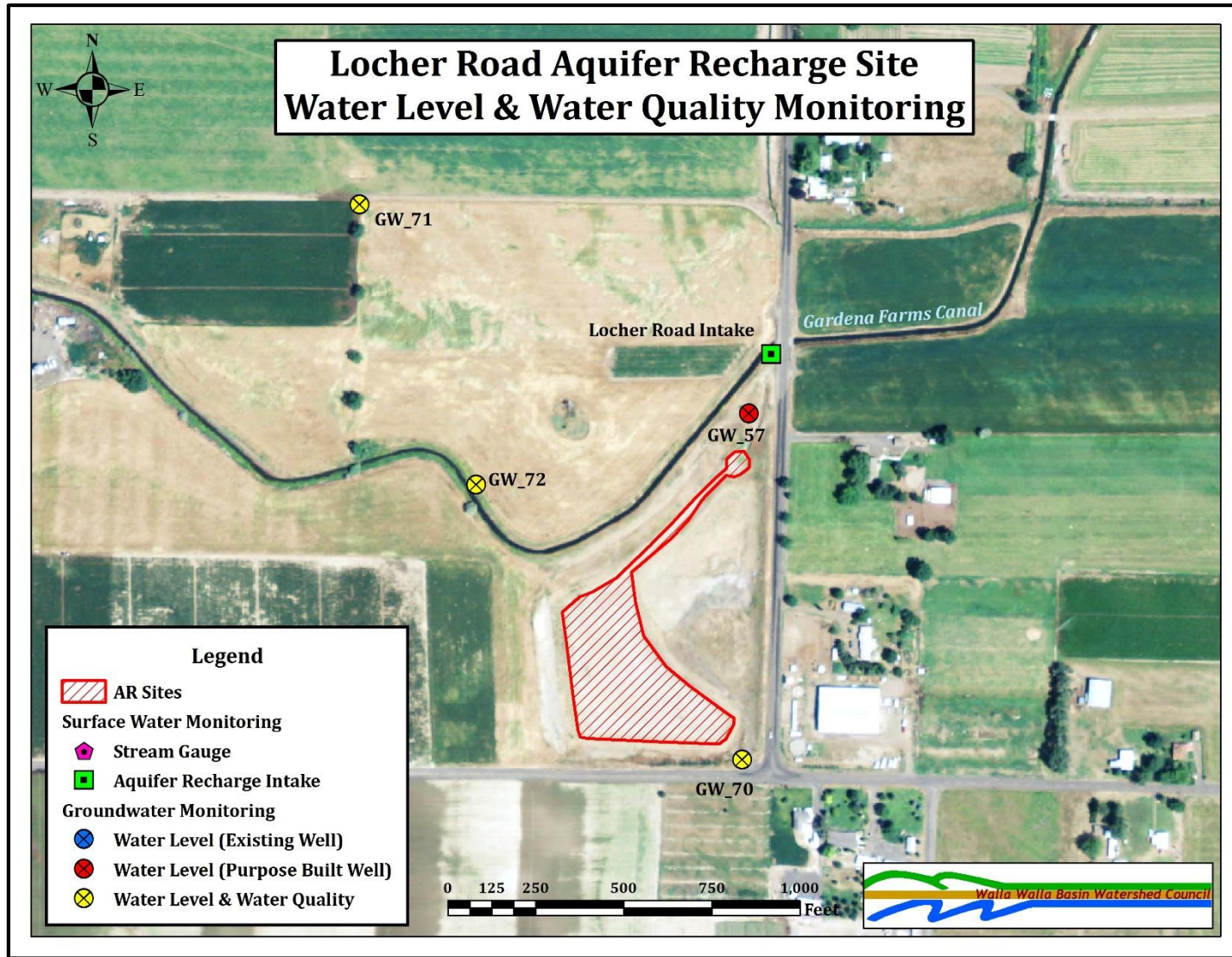


Figure 5- Locher Road aquifer recharge site water quality monitoring locations. Three groundwater wells will be sampled, one up gradient and two down gradient. Source water samples will be collected at the intake for the recharge project where water is diverted from the Gardena Farms Canal.

STILLER POND

SITE DESCRIPTION

The Stiller Pond project area (Figures 2 & 7) generally lies in and immediately east of an intermittent pond locally referred to as Stiller Pond in Walla Walla County, Washington, located in Township 7 North, Range 35 East, SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 29. Land use around Stiller Pond currently is devoted primarily to organic irrigated agriculture and stock grazing. Historically, surface water reached Stiller Pond via a ditch connected to Mill Creek. This ditch was converted to a piped system in approximately 2004/2005. Historical evidence, based on landowner interviews, suggests Stiller Pond quickly would go dry when surface water delivery was shut off, suggesting water seeped out of the pond and into the underlying alluvial aquifer in a few days, to less than a week.

Currently, water use in the Project area focuses on winter and spring (October through May) irrigation and stock watering using surface water diverted from Mill Creek; and summer (June through September) irrigation and stock watering using groundwater. Groundwater is used from three alluvial aquifer wells at the Project site. Winter/spring irrigation using Mill Creek water is sub-optimal because crop growing conditions are not at their best in the winter and in wet springs there is only a limited need for irrigation. In addition, the diversion point on Mill Creek is an in-stream structure that has the potential to inadvertently influence fish passage.

The basic goal of the Project is to provide surface recharge water to the alluvial aquifer to increase groundwater storage to support higher base flow to the nearby Walla Walla River and Mill Creek.

The Site lies in a shallow swale north of Mill Creek and the Walla Walla River, approximately 5.5 miles east of Lowden, Washington. This swale is located between the right-of-ways of old Highway 12 and new Highway 12. The western end of the swale is crossed by a low dike that serves to hold water in Stiller Pond when it is filled (Figure 6). Mill Creek flows past the Project area from the northeast and empties into the Walla Walla River southwest of the Site.

The eastern half of the Site consists of cropland that is currently undergoing the transition to organic farming practices. Stiller Pond, covering much of the western portion of the Site, has a surface area of approximately 8 acres, and an approximate average maximum depth of 4 to 5 feet when full.

The Site lies on the northern margin of the modern Walla Walla River and Mill Creek floodplain, and associated terraces, at the base of the low hills bordering the northern edge of this floodplain and terrace system. As such, the ground surface at the Site is approximately 10 to 30 feet above the Walla Walla River and Mill Creek channels at their nearest approach to the Site.

Mill Creek is the surface water body closest to the Site. The creek is an east-west flowing perennial stream located $\frac{1}{2}$ to $\frac{3}{4}$ miles south of the Site. Mill Creek is a tributary of the Walla Walla River, which in the immediate vicinity of the Site lies south of Mill Creek.



Figure 6 - Stiller Pond Aquifer Recharge site during WY2013 operations.

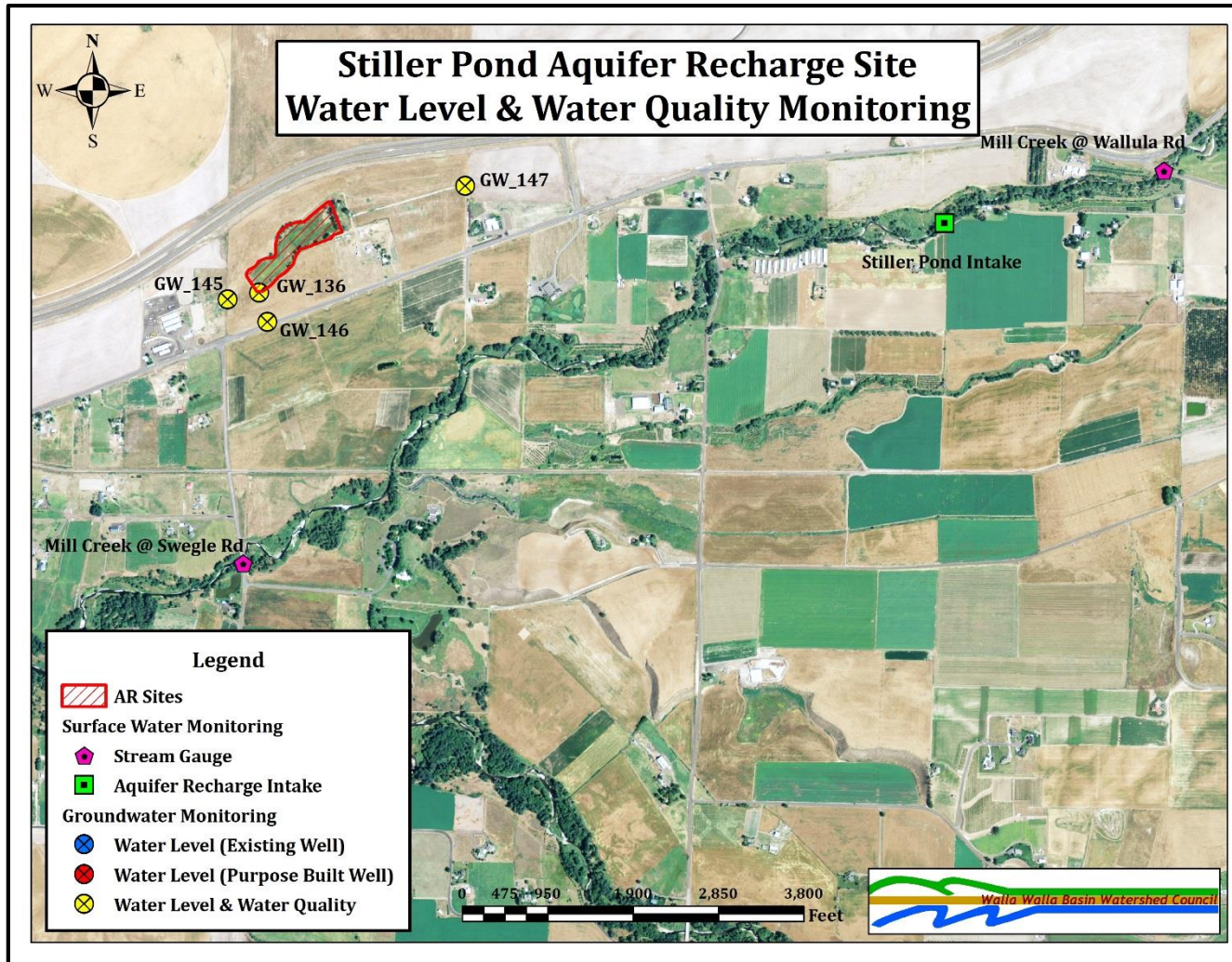


Figure 7 – Stiller Pond Aquifer Recharge site water quality monitoring locations. Four groundwater wells will be sampled, one up gradient and three down gradient. Source water samples will be collected at the intake for the recharge project or at the point of diversion.

GEOLOGY AND HYDROGEOLOGY

The shallowest aquifer underlying the Project area generally is unconfined to locally semi-confined aquifer hosted by alluvial sediments overlying the Columbia River basalts (GSI, 2010). These alluvial strata include fine- to coarse-grained continental clastic sediments referred to as the Quaternary fine unit, the Mio-Pliocene upper coarse unit, and the Mio-Pliocene fine unit (GSI, 2010). Basic observations about these units in the Project area are summarized below.

- ◆ *Quaternary fine unit* – The uppermost unit in the Project area, The Quaternary fine unit consists of fine-grained (clay, silt, and sand) deposits which were water lain and wind deposited materials derived from the Touchet Beds that comprise of the hills immediately to the North of the Project area.
- ◆ *Mio-Pliocene upper coarse unit* – In the vicinity of the Site the Quaternary fine unit is underlain by gravel and conglomerate assigned to the Mio-Pliocene coarse unit. This unit consists predominantly of indurated, slightly muddy to muddy, basaltic sand and gravel (conglomerate) and interbedded mud and it is the primary host unit for the suprabasalt (or alluvial) aquifer system. Hydrologic properties inherent in this unit are variable because of the wide range of lithologies and variable induration found within it. Crude data from step-rate pumping tests in two on-site wells yielded estimated:
 - Specific capacities of between approximately 2.8 gpm/ft, and 4.6 gpm/ft.
 - Transmissivities of between approximately 8700 ft²/day and 24,700 ft²/day.
 - Hydraulic conductivities of between approximately 70 ft/day and 180 ft/day.
 - The Mio-Pliocene coarse unit ranges from approximately 120 to 160 feet-thick, and well logs suggest it contains several thick muddy interbeds.
- ◆ *Mio-Pliocene fine unit* – The Mio-Pliocene upper coarse unit in the Project area is underlain by a sequence consisting predominantly of weakly indurated claystone and siltstone assigned to the Mio-Pliocene fine unit (also referred to as the old clay, or blue clay). Although not impermeable, these strata likely have significantly lower permeability than overlying strata, and functionally form the base of the alluvial aquifer system. In the Project area, these strata lie at depths of approximately 140 to 150 feet below ground surface.

The depth to groundwater, groundwater flow direction, and groundwater gradient in the alluvial aquifer system underlying the Site is difficult to deduce because of a scarcity of up-to-date data. However, based on the small amount of recent data currently available from drillers' well logs, on-site water supply wells, a single purpose built monitoring well, and recent reports related to the site Local Water Plan (GSI, 2010 and GSI, 2012) the following basic observations are reached.

- ◆ *Depth to water* – Historically, depth to water in the Project area may have been as little as 10 to 15 feet below ground surface. Recent well videos (from 2008 and 2009) indicate water levels are slightly deeper (15 to 25 feet below ground surface) than when the wells were first drilled. Depth to water in the on-site purpose-built monitoring well was approximately 23 feet in mid-March 2012.

- ◆ Groundwater flow direction – The general direction of groundwater flow through the greater Project area is from the east-northeast to the west-southwest, following the general orientation of the Walla Walla River valley (GSI, 2010).
- ◆ Groundwater gradient – With the data currently in-hand, estimating a gradient for the alluvial aquifer system is problematic. From what has been compiled, it appears the gradient in the general project area ranges from 5 to 25 feet/mile, possibly averaging in the range of 10 to 15 feet/mile (GSI, 2010).

Infiltration rates at the Stiller Pond site were estimated based on observations made during Local Water Plan work in the spring of 2012 (GSI, 2012). This work indicated approximate infiltration volumes per unit area of approximately 1.5 gallons/square-foot/day. It is important to note that this estimate is based on very general observations of the wetted area of the Pond, and measurements of how fast the Pond drained during this spring 2012 work. Given this, one should keep in mind that this rate is averaged across the full wetted surface of the Pond and that it likely differs across it.

GROUNDWATER QUALITY

Groundwater quality data was collected at the site during the 2012 Local Water Plan work (GSI, 2012). These data show the following:

- ◆ Pre-test groundwater, source and post-test groundwater pH values remained relatively consistent.
- ◆ Electrical conductivity (EC) in pre-test and post-test groundwater samples were 403.9 $\mu\text{S}/\text{cm}$ and 334.0 $\mu\text{S}/\text{cm}$ respectively. Source water EC was 59.8 $\mu\text{S}/\text{cm}$. The decrease in EC between pre and post-test EC suggests reduced EC in the groundwater resulting from recharge.
- ◆ Dissolved oxygen was higher in the post-test sample than the pre-test sample. This suggests that recent recharge water was moving in the direction of well MWSP-1.
- ◆ Oxidation-reduction potential (ORP) was higher in the post-test sample than the pre-test sample. This is likely the result of general groundwater dilution with respect to anions such as chloride. This suggests that recent recharge water was moving in the direction of well MWSP-1.
- ◆ Dissolved solids (including chloride, calcium hardness and magnesium) were all lower in the post-test sample than the pre-test sample. Source water dissolved solids were significantly lower than either groundwater sample. This observation also suggests evidence of changes in groundwater quality at MWSP-1 due to recharge.
- ◆ Total dissolved solids (TDS) were higher in pre-test groundwater than post-test groundwater and significantly lower in source water than either groundwater sample. This also is interpreted to be an indication that groundwater quality was positively influenced by the 2012 AR season.
- ◆ Nutrient concentrations (including nitrate (NO_3), phosphate (PO_4) and total Kjeldahl nitrogen (TKN)) generally suggest that AR events did not degrade groundwater quality. TKN was elevated slightly in the post-recharge sample, but this was expected due to the introduction

of additional organic nitrogen, ammonia and ammonium to the groundwater via recharge through biomass on the surface of the Pond in the form of decaying plant matter. This slight rise in TKN is not interpreted to reflect groundwater degradation because the slight increase in TKN did not correspond to a matching increase in NO₃. In fact, NO₃ decreased in groundwater following the AR event.

- ◆ No fecal coliform or total coliform bacteria were detected in any sample.

Basic water quality parameters summarized above are interpreted to show that these activities did not degrade groundwater quality. This data, especially the fact that pre-test groundwater concentrations in most parameters are higher than post-test groundwater concentrations and source water, suggests operation of the Site may lead to reductions in parameter concentrations as recharge water is added to the alluvial aquifer underlying the Site.

WATER AND SOIL QUALITY SAMPLING

The water quality schedule for the Stiller Pond Recharge site is listed below. Each of the samples includes all of the water parameters listed below in the Measurement Methods. Soil samples will be collected only during the Pre-operations event. Soil samples will include 5 locations within the pond. Each location will have two samples taken: 1 – from the ground surface and 2 – from 1 foot or more below the ground surface. Parameters for soil sampling are also included in the Measurement Methods section. See Figure 7 for well and source water sampling locations.

Location	Sample	Date
Location #1 – Ground Surface	Soil Sample	~ December 1 st
Location #1 – 1+ Foot Below Surface	Soil Sample	~ December 1 st
Location #2 – Ground Surface	Soil Sample	~ December 1 st
Location #2 – 1+ Foot Below Surface	Soil Sample	~ December 1 st
Location #3 – Ground Surface	Soil Sample	~ December 1 st
Location #3 – 1+ Foot Below Surface	Soil Sample	~ December 1 st
Location #4 – Ground Surface	Soil Sample	~ December 1 st
Location #4 – 1+ Foot Below Surface	Soil Sample	~ December 1 st
Location #5 – Ground Surface	Soil Sample	~ December 1 st
Location #5 – 1+ Foot Below Surface	Soil Sample	~ December 1 st
Up Gradient Well – GW_147	Pre-operations Sample	~ December 1 st
Down Gradient Well – GW_136 (close)	Pre-operations Sample	~ December 1 st
Down Gradient Wells – GW_145 & 146 (distal)	Pre-operations Sample	~ December 1 st
Source Water (Diversion or Intake)	Pre-operations Sample	~ December 1 st
Up Gradient Well – GW_147	Mid-operations Sample	~ February 15 th
Down Gradient Well – GW_136 (close)	Mid-operations Sample	~ February 15 th
Down Gradient Wells – GW_145 & 146 (distal)	Mid-operations Sample	~ February 15 th
Source Water (Diversion or Intake)	Mid-operations Sample	~ February 15 th
Up Gradient Well – GW_147	Post-operations Sample	~ April 30 th
Down Gradient Well – GW_136 (close)	Post-operations Sample	~ April 30 th
Down Gradient Wells – GW_145 & 146 (distal)	Post-operations Sample	~ April 30 th
Source Water (Diversion or Intake)	Post-operations Sample	~ April 30 th

SAMPLING PARAMETERS

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Water Temperature	Surface Water	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Water Temperature	Groundwater	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Specific Conductance	Surface Water	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
Specific Conductance	Groundwater	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
pH	Surface Water	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
pH	Groundwater	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
Dissolved Oxygen	Surface Water	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Barium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Barium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Chromium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Chromium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Lead	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Lead	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Mercury	Surface Water	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Mercury	Groundwater	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Selenium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Selenium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Silver	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Silver	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Fluoride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Fluoride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Endrin	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Endrin	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
1,1,1-Trichloroethane	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
1,1,1-Trichloroethane	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
2-4 D	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2-4 D	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
Total Coliform Bacteria	Surface Water	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Total Coliform Bacteria	Groundwater	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Copper	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Copper	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Iron	Surface Water	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Iron	Groundwater	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Manganese	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Manganese	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Zinc	Surface Water	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Zinc	Groundwater	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Chloride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Chloride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Sulfate	Surface Water	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Sulfate	Groundwater	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Total Dissolved Solids	Surface Water	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Total Dissolved Solids	Groundwater	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Foaming Agents	Surface Water	Pre, Mid & Post Operations	0.05 mg/L	N/A
Foaming Agents	Groundwater	Pre, Mid & Post Operations	0.05 mg/L	N/A
Corrosivity	Surface Water	Pre, Mid & Post Operations	Noncorrosive	N/A
Corrosivity	Groundwater	Pre, Mid & Post Operations	Noncorrosive	N/A
Color	Surface Water	Pre, Mid & Post Operations	15 Color Units	N/A
Color	Groundwater	Pre, Mid & Post Operations	15 Color Units	N/A
Odor	Surface Water	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Odor	Groundwater	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Chlorinated Pesticides	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Chlorinated Pesticides	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Chlorinated Pesticides	Soil	Pre, Mid & Post Operations	0.1 µg/Kg	EPA Method 8081
PCBs	Surface Water	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Groundwater	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Soil	Pre, Mid & Post Operations	10 pg/Kg	EPA Method 1668C
Nitrate (as N)	Surface Water	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Groundwater	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Nitrate (as N)	Soil	Pre, Mid & Post Operations	0.1 mg/Kg	Standard Method 4500-NO ₃ ⁻
Total Phosphorus (Dissolved & Particulate)	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus (Dissolved & Particulate)	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus	Soil	Pre, Mid & Post Operations	0.05 mg/Kg	Standard Method 4500-P
Carbonate & Bicarbonate	Surface Water	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Carbonate & Bicarbonate	Groundwater	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Turbidity	Surface Water	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Turbidity	Groundwater	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Arsenic	Surface Water	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125
Arsenic	Groundwater	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125

LAST CHANCE ROAD

SITE DESCRIPTION

The Last Chance Road Aquifer Recharge project is located west of Walla Walla, WA and approximately ½ mile south of the Walla Walla River and just west of the West Little Walla Walla River (WLWWR) (Figure 2). The project is located to the west of Last Chance Road north of Frog Hollow Road (NE ¼, SE ¼, Section 5, Township 6 North, Range 35 East). The project will install two infiltration galleries between the WLWWR and the hillslope (Figure 8). Each infiltration gallery will be designed to infiltrate approximately 1 cfs of water into the ground. The project is primarily surrounded by agricultural farming land and low density rural residential plots.

GEOLOGY AND HYDROGEOLOGY

The soil and geologic units at the Last Chance Road site include the following based on regional characterization (WWBWC, 2013) and local drilling (Appendix C):

- ◆ Predominately silty soils comprising the upper 2 to 6 feet
- ◆ Quaternary alluvial silt (and some clay) with interbeds of sand, sandy gravel, and cobble extending to a depth of 30 feet or more
- ◆ Miocene-Pliocene fine- and coarse-textured sediments with varying degrees of compaction or cementation extending to depths of hundreds of feet
- ◆ Miocene basalt of the CRBG (the ‘basement’ to the Walla Walla basin sediment sequence)

The recharge site is immediately adjacent to and east of an elevated area formed by the Pleistocene Touchet Formation (silts, sands, gravels).

The source water that feeds the infiltration galleries is expected to move from the AR site in a direction that ranges from northwest, i.e. coinciding with the regional groundwater flow direction, or more northerly, which is similar to the local trace of the WLWWR. The regional groundwater gradient is in the range of 0.006 to 0.008 to the northwest. The four shallow groundwater monitoring wells (Figure 8), which include GW-158 and -159 constructed February 2015, will provide data to discern local groundwater levels and flow patterns.

Depth to water in GW-158 and -159 was in the range of 6 to 9 feet below ground on February 20, 2015. This shallow groundwater occurs predominately in interbeds of sand and gravel/cobble zones within layers of silt (Appendix C). Silt layers are locally damp to wet and mottled with iron oxides that suggest localized water movement. As such, the coarser-textured, water-bearing, permeable zones are locally semi- to un-confined. The source water from the infiltration galleries is expected to move vertically through silt layers and laterally (horizontal) through permeable zones of sand, gravel, and cobble.

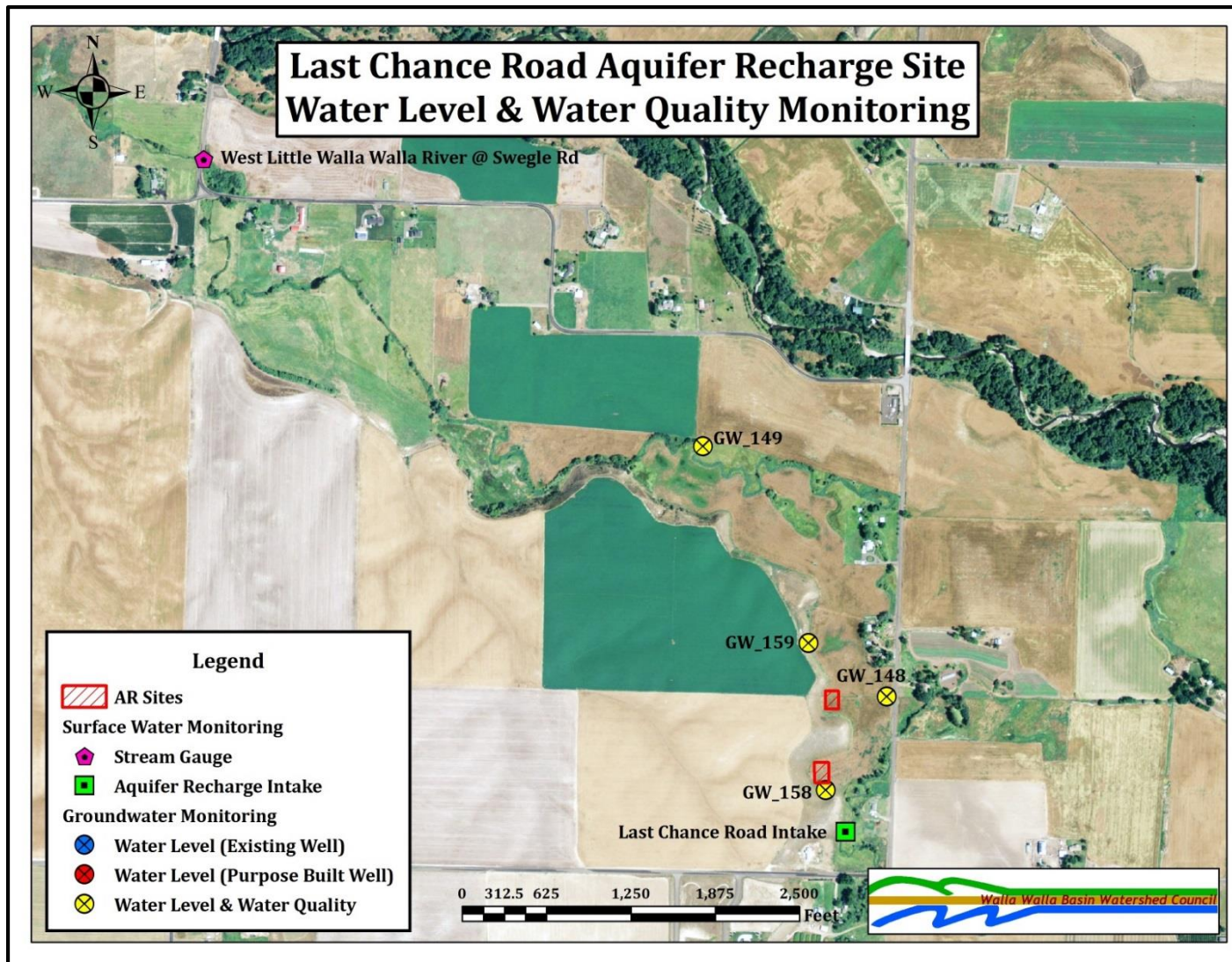


Figure 8 – Last Chance Road Aquifer Recharge site water quality monitoring locations. Four groundwater wells will be sampled, one up gradient, one mid gradient and two down gradient. Source water samples will be collected at the intake for the recharge project or at the point of diversion.

WATER QUALITY SAMPLING

The schedule for the Last Chance Road site is listed below. Each of the sampling event includes all of the water parameters listed below in the Sampling Parameters. See Figure 8 for well and source water sampling locations.

SAMPLING SCHEDULE

Location	Sample	Date
Up Gradient Well – GW_158	Pre-operations Sample	~ Dec 1 st - March 1 st
Mid Gradient Well – GW_148	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (close) – GW_159	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (distal) – GW_149	Pre-operations Sample	~ Dec 1 st - March 1 st
Source Water – Intake	Pre-operations Sample	~ Dec 1 st - March 1 st
Up Gradient Well – GW_158	Mid-operations Sample	~April 15 th
Mid Gradient Well – GW_148	Mid-operations Sample	~April 15 th
Down Gradient Well (close) – GW_159	Mid-operations Sample	~April 15 th
Down Gradient Well (distal) – GW_149	Mid-operations Sample	~April 15 th
Source Water – Intake	Mid-operations Sample	~April 15 th
Up Gradient Well – GW_158	Post-operations Sample	~ May 31 st
Mid Gradient Well – GW_148	Post-operations Sample	~ May 31 st
Down Gradient Well (close) – GW_159	Post-operations Sample	~ May 31 st
Down Gradient Well (distal) – GW_149	Post-operations Sample	~ May 31 st
Source Water – Intake	Post-operations Sample	~ May 31 st

SAMPLING PARAMETERS

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Water Temperature	Surface Water	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Water Temperature	Groundwater	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Specific Conductance	Surface Water	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
Specific Conductance	Groundwater	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
pH	Surface Water	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
pH	Groundwater	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
Dissolved Oxygen	Surface Water	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Barium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Barium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Chromium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Chromium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Lead	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Lead	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Mercury	Surface Water	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Mercury	Groundwater	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Selenium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Selenium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Silver	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Silver	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Fluoride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Fluoride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Endrin	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Endrin	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
1,1,1-Trichloroethane	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
1,1,1-Trichloroethane	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
2-4 D	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2-4 D	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
Total Coliform Bacteria	Surface Water	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Total Coliform Bacteria	Groundwater	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Copper	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Copper	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Iron	Surface Water	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Iron	Groundwater	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Manganese	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Manganese	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Zinc	Surface Water	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Zinc	Groundwater	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Chloride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Chloride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Sulfate	Surface Water	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Sulfate	Groundwater	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Total Dissolved Solids	Surface Water	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Total Dissolved Solids	Groundwater	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Foaming Agents	Surface Water	Pre, Mid & Post Operations	0.05 mg/L	N/A
Foaming Agents	Groundwater	Pre, Mid & Post Operations	0.05 mg/L	N/A

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Corrosivity	Surface Water	Pre, Mid & Post Operations	Noncorrosive	N/A
Corrosivity	Groundwater	Pre, Mid & Post Operations	Noncorrosive	N/A
Color	Surface Water	Pre, Mid & Post Operations	15 Color Units	N/A
Color	Groundwater	Pre, Mid & Post Operations	15 Color Units	N/A
Odor	Surface Water	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Odor	Groundwater	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Chlorinated Pesticides	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Chlorinated Pesticides	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Chlorinated Pesticides	Soil	Pre, Mid & Post Operations	0.1 µg/Kg	EPA Method 8081
PCBs	Surface Water	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Groundwater	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Soil	Pre, Mid & Post Operations	10 pg/Kg	EPA Method 1668C
Nitrate (as N)	Surface Water	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Groundwater	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Soil	Pre, Mid & Post Operations	0.1 mg/Kg	Standard Method 4500-NO ₃ ⁻
Total Phosphorus (Dissolved & Particulate)	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus (Dissolved & Particulate)	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus	Soil	Pre, Mid & Post Operations	0.05 mg/Kg	Standard Method 4500-P
Carbonate & Bicarbonate	Surface Water	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Carbonate & Bicarbonate	Groundwater	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Turbidity	Surface Water	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Turbidity	Groundwater	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Arsenic	Surface Water	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125
Arsenic	Groundwater	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125

WA MUD CREEK

SITE DESCRIPTION

The WA Mud Creek Aquifer Recharge project is located southeast of Lowden, WA approximately 1.5 miles south of the Walla Walla River and 0.25 miles from Mud Creek (Figure 2). The project is located within Walla Walla County, Section 3, Township 6 North, Range 34 East. This site is planned to include three different recharge areas (Figure 9). These are in the process of being designed, however they are planned to be either infiltration basins or field flooding. Water for the recharge sites will be delivered down either the Gardena Farms Canal or the Lowden #2 ditch.

GEOLOGY AND HYDROGEOLOGY

The soil and geologic units at the Mud Creek site include the following based on regional characterization (WWBWC, 2013) and local drilling (Appendix C):

- ◆ Predominately silty soils comprising the upper 3 to 6 feet
- ◆ Quaternary alluvial silt (and some clay) with interbeds of sand, sandy gravel, and cobble extending to a depth of 30 feet or more
- ◆ Miocene-Pliocene fine- and coarse-textured sediments of varying degrees of compaction or cementation extending to depths of hundreds of feet
- ◆ Miocene basalt of the CRBG (the 'basement' to the Walla Walla basin sediment sequence)

Two of three recharge sites occur with the Mud Creek drainage and are adjacent to or partly overlie the Pleistocene Touchet Formation (silts, sands, gravels). The northernmost recharge site is adjacent to the Touchet Formation.

In the case of the two sites in the Mud Creek drainage, the source water that feeds the infiltration basins and/or field flooded areas is expected to move downslope, then saturate field soils and/or recharge shallow permeable zones. Subsequent groundwater movement is expected to be northwest along the Mud Creek drainage. This water may ultimately discharge to Mud Creek or be available for uptake by pasture vegetation.

In the case of the northernmost site, the source water that feeds this infiltration basin and/or field flooded area is expected saturate local field soils and/or recharge shallow permeable zones. This water may ultimately discharge to the Walla Walla River to the north-northwest or be available for uptake by pasture vegetation.

The regional groundwater gradient is in the range of 0.004 to 0.006 to the northwest. The five shallow groundwater monitoring wells (Figure 9), constructed February 2015, will provide data to discern local groundwater levels and flow patterns.

Depth to water in GW-153, -154, and -155 was in the range of 7 to 20 feet below ground on February 21, 2015. This shallow groundwater occurs predominately in interbeds of sand and sandy gravel within layers of silt (Appendix C). Silt layers are locally damp—this moisture suggests some water movement in the silt. As such, the coarser-textured permeable water-bearing zones are locally semi- to un-confined.

Depth to water in GW-156 and -157 was approximately 3 feet below ground on February 21, 2015. This shallow groundwater level occurs predominately in an interbed of sandy gravel within layers of silt (Appendix C). Silt layers are locally damp to wet. Thin wet intervals suggest some water movement in the silt or at silt – clay interfaces. As such, the coarser-textured permeable water-bearing zones are locally semi-confined.

At the Mud Creek site, the source water from the infiltration basins or field flooding is expected to move vertically through silt layers and laterally (horizontal) through permeable zones of sand and gravel.

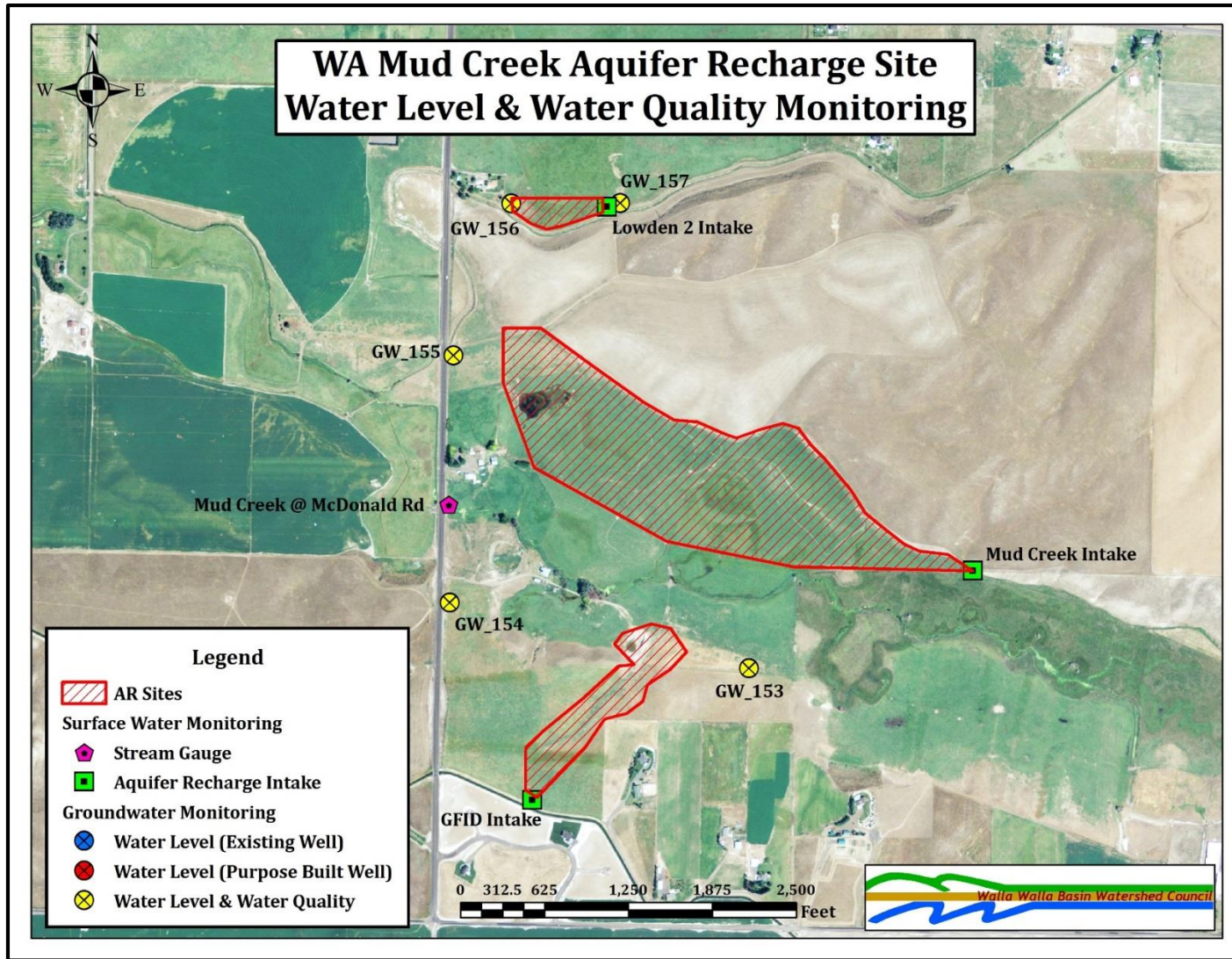


Figure 9 – WA Mud Creek Aquifer Recharge site water quality monitoring locations. Five groundwater wells will be sampled, two up gradient and three down gradient. Source water samples will be collected at the intakes for the recharge project.

WATER AND SOIL QUALITY SAMPLING

The schedule for the WA Mud Creek site is listed below. Each of the samples includes all of the water parameters listed below in the Sampling Parameters. Soil samples will be collected only during the Pre-operations event. Soil samples will include 5 locations within the recharge site footprint. Each location will have two samples taken: 1 – from the ground surface and 2 – from 1 foot or more below the ground surface. Parameters for soil sampling are also included in the Sampling Parameters section. See Figure 9 for well and source water sampling locations.

SAMPLING SCHEDULE

Location	Sample	Date
Location #1 – Ground Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #1 – 1+ Foot Below Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #2 – Ground Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #2 – 1+ Foot Below Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #3 – Ground Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #3 – 1+ Foot Below Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #4 – Ground Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #4 – 1+ Foot Below Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #5 – Ground Surface	Soil Sample	~ Dec 1 st - March 1 st
Location #5 – 1+ Foot Below Surface	Soil Sample	~ Dec 1 st - March 1 st
Up Gradient Well – GW_153	Pre-operations Sample	~ Dec 1 st - March 1 st
Up Gradient Well – GW_157	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (close) – GW_154	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (close) – GW_155	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (close) – GW_156	Pre-operations Sample	~ Dec 1 st - March 1 st
Source Water – Lowden 2 and/or GFID	Pre-operations Sample	~ Dec 1 st - March 1 st
Up Gradient Well – GW_153	Mid-operations Sample	~April 15 th
Up Gradient Well – GW_157	Mid-operations Sample	~April 15 th
Down Gradient Well (close) – GW_154	Mid-operations Sample	~April 15 th
Down Gradient Well (close) – GW_155	Mid-operations Sample	~April 15 th
Down Gradient Well (close) – GW_156	Mid-operations Sample	~April 15 th
Source Water – Lowden 2 and/or GFID	Mid-operations Sample	~April 15 th
Up Gradient Well – GW_153	Post-operations Sample	~ May 31 st
Up Gradient Well – GW_157	Post-operations Sample	~ May 31 st
Down Gradient Well (close) – GW_154	Post-operations Sample	~ May 31 st
Down Gradient Well (close) – GW_155	Post-operations Sample	~ May 31 st
Down Gradient Well (close) – GW_156	Post-operations Sample	~ May 31 st
Source Water – Lowden 2 and/or GFID	Post-operations Sample	~ May 31 st

SAMPLING PARAMETERS

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Water Temperature	Surface Water	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Water Temperature	Groundwater	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Specific Conductance	Surface Water	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
Specific Conductance	Groundwater	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
pH	Surface Water	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
pH	Groundwater	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
Dissolved Oxygen	Surface Water	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Barium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Barium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Chromium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Chromium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Lead	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Lead	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Mercury	Surface Water	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Mercury	Groundwater	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Selenium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Selenium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Silver	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Silver	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Fluoride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Fluoride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Endrin	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Endrin	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Methoxychlor	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
1,1,1-Trichloroethane	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
1,1,1-Trichloroethane	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
2-4 D	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2-4 D	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
Total Coliform Bacteria	Surface Water	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Total Coliform Bacteria	Groundwater	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Copper	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Copper	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Iron	Surface Water	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Iron	Groundwater	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Manganese	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Manganese	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Zinc	Surface Water	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Zinc	Groundwater	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Chloride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Chloride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Sulfate	Surface Water	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Sulfate	Groundwater	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
Total Dissolved Solids	Surface Water	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Total Dissolved Solids	Groundwater	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
Foaming Agents	Surface Water	Pre, Mid & Post Operations	0.05 mg/L	N/A
Foaming Agents	Groundwater	Pre, Mid & Post Operations	0.05 mg/L	N/A
Corrosivity	Surface Water	Pre, Mid & Post Operations	Noncorrosive	N/A
Corrosivity	Groundwater	Pre, Mid & Post Operations	Noncorrosive	N/A
Color	Surface Water	Pre, Mid & Post Operations	15 Color Units	N/A
Color	Groundwater	Pre, Mid & Post Operations	15 Color Units	N/A
Odor	Surface Water	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Odor	Groundwater	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
Chlorinated Pesticides	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Chlorinated Pesticides	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
Chlorinated Pesticides	Soil	Pre, Mid & Post Operations	0.1 µg/Kg	EPA Method 8081
PCBs	Surface Water	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Groundwater	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Soil	Pre, Mid & Post Operations	10 pg/Kg	EPA Method 1668C
Nitrate (as N)	Surface Water	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Groundwater	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Nitrate (as N)	Soil	Pre, Mid & Post Operations	0.1 mg/Kg	Standard Method 4500-NO ₃ ⁻
Total Phosphorus (Dissolved & Particulate)	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus (Dissolved & Particulate)	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus	Soil	Pre, Mid & Post Operations	0.05 mg/Kg	Standard Method 4500-P
Carbonate & Bicarbonate	Surface Water	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Carbonate & Bicarbonate	Groundwater	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Turbidity	Surface Water	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Turbidity	Groundwater	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Arsenic	Surface Water	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125
Arsenic	Groundwater	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125

ORGANIZATION AND SCHEDULE

PERSONNEL

Name	Affiliation	Position	Tasks	Email Address
Steven Patten	WWBWC	Sr. Environmental Scientist	Project Manager, Data collection, Data analysis, Water Quality Coordinator, site design, construction and reporting	steven.patten@wwbwc.org
Troy Baker	WWBWC	GIS & Monitoring Program Manager	Data Collection, Data and database management, GIS, Water quality	troy.baker@wwbwc.org
Tara Patten	WWBWC	Watershed Technician	Data and water quality collection	tara.patten@wwbwc.org
Amber Larsen	WWBWC	Watershed Technician	Data and water quality collection	amber.larsen@wwbwc.org
Jim Mathieu	Northwest Land & Water	Principal Hydrogeologist	Data analysis, site design, and oversight/review	jim@nlwinc.com
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PROJECT SCHEDULE

Activity	Schedule	General Description
Surface Level Monitoring	Year-round	Mainstem sites are visited every other week to collect staff gauge measurements and perform general site maintenance. Manual discharge measurements and other data are collected during ~4-6 visits each year. A few river sites are only monitored seasonally during summer and fall base flows.
Groundwater Level Monitoring	Year-round	Sites are visited ~4 times a year to download data, conduct manual groundwater level measurements, perform site maintenance and collect other data.
Recharge Operations	Seasonal (Winter/Spring)	Aquifer recharge sites are operated in the winter and spring when adequate water volumes are in the river. Sites can turn on as early as December and turn off near the end of May.
Water Quality Monitoring – pre-operations sample	Seasonal (Winter/Spring)	Water quality samples are collected either just before or as the site is turned on.
Water Quality Monitoring – mid-operations sample	Seasonal (Winter/Spring)	Water quality samples are collected at approximately the mid-point of recharge operations.
Water Quality Monitoring – post-operations sample	Seasonal (Winter/Spring)	Water quality samples are collected either on the last day of operations or just after shut down.
Reporting	Seasonal (Fall/Winter)	Annual report for recharge operations will be completed the following fall/winter.

Exact dates cannot be described in the project schedule because start up and shut down dates are dependent upon instream flows, environmental conditions (freezing, etc.) and other water use conditions.

QUALITY OBJECTIVES

MEASUREMENT QUALITY OBJECTIVES

Parameter	Field or Lab	Check Standard	Duplicate Samples
Water Temperature	Field	± 0.5 °C (NIST Thermometer)	± 0.2 °C
pH	Field	± 0.1 pH units	± 0.05 pH units
Specific Conductance	Field	± 5% of standard	± 5% of reading
Dissolved Oxygen	Field	± 0.2 mg/L	± 0.1 mg/L
Groundwater Level Measurement	Field	N/A	± 0.01 feet
Manual Discharge Measurement	Field	N/A	± 10%
Tape Down Stage Measurement	Field	N/A	±0.02 feet
Vertical Staff Gage Measurement	Field	N/A	±0.02 feet
Organic Pesticides (including PCBs, Organochlorines, etc.)	Lab	N/A	50% Relative Difference
Water Quality Parameters (Metals, TDS, nutrients, etc.)	Lab	N/A	50% Relative Difference

SAMPLING PROCESS

SAMPLE CONTAINERS, PRESERVATION AND HOLDING TIMES

Sample / Parameter	Matrix	Minimum quantity required	Container	Preservative	Holding Time
Water Temperature	Water	N/A	N/A	None	N/A
Specific Conductance	Water	N/A	N/A	None	N/A
pH	Water	N/A	N/A	None	N/A
Dissolved Oxygen	Water	N/A	N/A	None	N/A
Barium	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Cadmium	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Chromium	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Lead	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Mercury	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Selenium	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Silver	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Fluoride	Water	N/A	N/A	N/A	N/A
Endrin	Water	1.0 L	Amber glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	N/A
Methoxychlor	Water	1.0 L	Amber glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	N/A
1,1,1-Trichloroethane	Water	1.0 L	Amber glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	N/A
2-4 D	Water	1.0 L	Amber glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	N/A

Sample / Parameter	Matrix	Minimum quantity required	Container	Preservative	Holding Time
2,4,5-TP Silvex	Water	1.0 L	Amber glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	N/A
Total Coliform Bacteria	Water	250 or 500 mL	Polypropylene or glass bottle, autoclaved	Refrigerate @ 4° C	24 hours
Copper	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Iron	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Manganese	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Zinc	Water	500 mL	Teflon FEP bottle	5 mL 1:1 Nitric Acid & Refrigerate @ 4° C	6 months
Chloride	Water	500 mL	Polypropylene bottle	Refrigerate @ 4° C	28 days
Sulfate	Water	N/A	N/A	N/A	N/A
Total Dissolved Solids	Water	N/A	Resistant Glass or Plastic	Refrigerate @ 4° C	< 24 hours – 7 days
Foaming Agents	Water	N/A	N/A	N/A	N/A
Corrosivity	Water	N/A	N/A	N/A	N/A
Color	Water	N/A	N/A	N/A	N/A
Odor	Water	500 mL	Glass or TFE-lined	Refrigerate	<24 hours
Chlorinated Pesticides	Water	1.0 gal.	Glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	7 days
Chlorinated Pesticides	Soil	N/A	N/A	N/A	N/A
PCBs	Water	1.0 L	Amber glass bottle w/ Teflon lid liner	Refrigerate @ 4° C	7 days
PCBs	Soil	N/A	N/A	N/A	N/A
Nitrate as N	Water	125 mL	Polypropylene bottle	H ₂ SO ₄ to pH<2; Cool to 4° C	28 days
Nitrate as N	Soil	N/A	N/A	N/A	N/A
Total Phosphorus	Water	60 mL	Clear polypropylene bottle	Refrigerate @ 4° C; Fill bottle completely; don't agitate sample	14 days
Total Phosphorus	Soil	N/A	N/A	N/A	N/A

Sample / Parameter	Matrix	Minimum quantity required	Container	Preservative	Holding Time
Carbonate & Bicarbonate	Water	500 mL; No headspace	Polypropylene bottle	Refrigerate @ 4 °C	14 days
Turbidity	Water	500 mL	Polypropylene bottle	Refrigerate @ 4 °C	48 hours
Arsenic	Water	N/A	N/A	N/A	N/A

MEASUREMENT METHODS

Analyte	Sample Matrix	Samples [sampling times]	Expected range of results	Reporting Limit	Sample Preparation Method	Analytical Method
Water Temperature	Surface Water	Pre, Mid & Post Operations	0-10 °C	0.1 °C	N/A	NIST Thermometer
Water Temperature	Groundwater	Pre, Mid & Post Operations	5-10 °C	0.1 °C	N/A	NIST Thermometer
Specific Conductance	Surface Water	Pre, Mid & Post Operations	35-150 µs/cm	1 µs/cm	N/A	YSI 30/Orion 5-Star
Specific Conductance	Groundwater	Pre, Mid & Post Operations	35-500 µs/cm	1 µs/cm	N/A	YSI 30/Orion 5-Star
pH	Surface Water	Pre, Mid & Post Operations	6.5-8.0	0.1 pH units	N/A	Orion 5-Star meter
pH	Groundwater	Pre, Mid & Post Operations	6.5-8.0	0.1 pH units	N/A	Orion 5-Star meter
Dissolved Oxygen	Surface Water	Pre, Mid & Post Operations	5-12 mg/L	0.2 mg/L	N/A	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Pre, Mid & Post Operations	N/A	0.2 mg/L	N/A	Orion 5-Star meter
Barium	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Barium	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Cadmium	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Cadmium	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Chromium	Surface Water	Pre, Mid & Post Operations	N/A	0.5 µg/L	N/A	Standard Method 3125
Chromium	Groundwater	Pre, Mid & Post Operations	N/A	0.5 µg/L	N/A	Standard Method 3125

Analyte	Sample Matrix	Samples [number & arrival date]	Expected range of results	Reporting Limit	Sample Preparation Method	Analytical Method
Lead	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Lead	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Mercury	Surface Water	Pre, Mid & Post Operations	N/A	0.05 µg/L	N/A	Standard Method 3112 B
Mercury	Groundwater	Pre, Mid & Post Operations	N/A	0.05 µg/L	N/A	Standard Method 3112 B
Selenium	Surface Water	Pre, Mid & Post Operations	N/A	0.5 µg/L	N/A	Standard Method 3125 B
Selenium	Groundwater	Pre, Mid & Post Operations	N/A	0.5 µg/L	N/A	Standard Method 3125 B
Silver	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3150 B
Silver	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3150 B
Fluoride	Surface Water	Pre, Mid & Post Operations	N/A	0.1 mg/L	N/A	Standard Method 4110
Fluoride	Groundwater	Pre, Mid & Post Operations	N/A	0.1 mg/L	N/A	Standard Method 4110
Endrin	Surface Water	Pre, Mid & Post Operations	<0.1 µg/L	0.1 µg/L	N/A	EPA Method 8081
Endrin	Groundwater	Pre, Mid & Post Operations	<0.1 µg/L	0.1 µg/L	N/A	EPA Method 8081
Methoxychlor	Surface Water	Pre, Mid & Post Operations	<0.1 µg/L	0.1 µg/L	N/A	EPA Method 8081
Methoxychlor	Groundwater	Pre, Mid & Post Operations	<0.1 µg/L	0.1 µg/L	N/A	EPA Method 8081
1,1,1-Trichloroethane	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	EPA Method 8260
1,1,1-Trichloroethane	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	EPA Method 8260

Analyte	Sample Matrix	Samples [number & arrival date]	Expected range of results	Reporting Limit	Sample Preparation Method	Analytical Method
2-4 D	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	EPA Method 8151
2-4 D	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	EPA Method 8151
2,4,5-TP Silvex	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	EPA Method 8151
2,4,5-TP Silvex	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	EPA Method 8151
Total Coliform Bacteria	Surface Water	Pre, Mid & Post Operations	<2 MPN/100 ml	1/100 ml	N/A	Standard Method 9221 D and 9222 B
Total Coliform Bacteria	Groundwater	Pre, Mid & Post Operations	<2 MPN/100 ml	1/100 ml	N/A	Standard Method 9221 D and 9222 B
Copper	Surface Water	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Copper	Groundwater	Pre, Mid & Post Operations	N/A	0.1 µg/L	N/A	Standard Method 3125
Iron	Surface Water	Pre, Mid & Post Operations	N/A	0.03 mg/L	N/A	Standard Method 3120 B
Iron	Groundwater	Pre, Mid & Post Operations	N/A	0.03 mg/L	N/A	Standard Method 3120 B
Manganese	Surface Water	Pre, Mid & Post Operations	N/A	0.005 mg/L	N/A	Standard Method 3120 B
Manganese	Groundwater	Pre, Mid & Post Operations	N/A	0.005 mg/L	N/A	Standard Method 3120 B
Zinc	Surface Water	Pre, Mid & Post Operations	N/A	5 µg/L	N/A	Standard Method 3150 B
Zinc	Groundwater	Pre, Mid & Post Operations	N/A	5 µg/L	N/A	Standard Method 3150 B
Chloride	Surface Water	Pre, Mid & Post Operations	2-10 mg/L	0.1 mg/L	N/A	Standard Method 4110
Chloride	Groundwater	Pre, Mid & Post Operations	2-50 mg/L	0.1 mg/L	N/A	Standard Method 4110

Analyte	Sample Matrix	Samples [number & arrival date]	Expected range of results	Reporting Limit	Sample Preparation Method	Analytical Method
Sulfate	Surface Water	Pre, Mid & Post Operations	N/A	0.5 mg/L	N/A	Standard Method 4110
Sulfate	Groundwater	Pre, Mid & Post Operations	N/A	0.5 mg/L	N/A	Standard Method 4110
Total Dissolved Solids	Surface Water	Pre, Mid & Post Operations	100-500 mg/L	2 mg/L	N/A	Standard Method 2540 C
Total Dissolved Solids	Groundwater	Pre, Mid & Post Operations	100-500 mg/L	2 mg/L	N/A	Standard Method 2540 C
Foaming Agents	Surface Water	Pre, Mid & Post Operations	N/A	0.05 mg/L	N/A	N/A
Foaming Agents	Groundwater	Pre, Mid & Post Operations	N/A	0.05 mg/L	N/A	N/A
Corrosivity	Surface Water	Pre, Mid & Post Operations	N/A	Noncorrosive	N/A	N/A
Corrosivity	Groundwater	Pre, Mid & Post Operations	N/A	Noncorrosive	N/A	N/A
Color	Surface Water	Pre, Mid & Post Operations	N/A	15 Color Units	N/A	N/A
Color	Groundwater	Pre, Mid & Post Operations	N/A	15 Color Units	N/A	N/A
Odor	Surface Water	Pre, Mid & Post Operations	N/A	3 Threshold Odor Units	N/A	Standard Method 2150
Odor	Groundwater	Pre, Mid & Post Operations	N/A	3 Threshold Odor Units	N/A	Standard Method 2150
Chlorinated Pesticides	Surface Water	Pre, Mid & Post Operations	<0.0001-0.01 µg/L	0.1 µg/L	SW3510 / 3620 / 3665	EPA Method 8081
Chlorinated Pesticides	Groundwater	Pre, Mid & Post Operations	<0.0001-0.01 µg/L	0.1 µg/L	SW3510 / 3620 / 3665	EPA Method 8081
Chlorinated Pesticides	Soil	Pre, Mid & Post Operations	<0.0001-0.01 µg/Kg	0.1 µg/Kg	SW3510 / 3620 / 3665	EPA Method 8081

Analyte	Sample Matrix	Samples [number & arrival date]	Expected range of results	Reporting Limit	Sample Preparation Method	Analytical Method
PCBs	Surface Water	Pre, Mid & Post Operations	0.001-0.005 µg/L	1 pg/L	EPA Method 1668C	EPA Method 1668C
PCBs	Groundwater	Pre, Mid & Post Operations	0.001-0.005 µg/L	1 pg/L	EPA Method 1668C	EPA Method 1668C
PCBs	Soil	Pre, Mid & Post Operations	0.001-0.005 µg/L	10 pg/Kg	EPA Method 1668C	EPA Method 1668C
Nitrate (as N)	Surface Water	Pre, Mid & Post Operations	0-1 mg/L	0.01 mg/L	N/A	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Groundwater	Pre, Mid & Post Operations	0-10 mg/L	0.01 mg/L	N/A	Standard Method 4500-NO ₃ ⁻
Nitrate (as N)	Soil	Pre, Mid & Post Operations	N/A	0.1 mg/Kg	N/A	Standard Method 4500-NO ₃ ⁻
Total Phosphorus (Dissolved & Particulate)	Surface Water	Pre, Mid & Post Operations	N/A	0.005 mg/L	N/A	Standard Method 4500-P
Total Phosphorus (Dissolved & Particulate)	Groundwater	Pre, Mid & Post Operations	N/A	0.005 mg/L	N/A	Standard Method 4500-P
Total Phosphorus	Soil	Pre, Mid & Post Operations	N/A	0.05 mg/Kg	N/A	Standard Method 4500-P
Carbonate & Bicarbonate	Surface Water	Pre, Mid & Post Operations	N/A	10 mg/L	N/A	Standard Method 2320B
Carbonate & Bicarbonate	Groundwater	Pre, Mid & Post Operations	N/A	10 mg/L	N/A	Standard Method 2320B
Turbidity	Surface Water	Pre, Mid & Post Operations	1-150 NTU	1 NTU	N/A	Standard Method 2130
Turbidity	Groundwater	Pre, Mid & Post Operations	1-20 NTU	1 NTU	N/A	Standard Method 2130
Arsenic	Surface Water	Pre, Mid & Post Operations	< 0.05 µg/L	0.01 µg/L	N/A	Standard Method 3125
Arsenic	Groundwater	Pre, Mid & Post Operations	< 0.05 µg/L	0.01 µg/L	N/A	Standard Method 3125

SAMPLING LOCATIONS AND SCHEDULE

Unless otherwise stated in the Site Description (see Walla Walla Basin Recharge Sites section), the following locations and schedule will be followed at each recharge site.

LOCATIONS

Groundwater samples will be collected at three locations: an up gradient well and two down gradient wells. Samples will be collected from purpose built monitoring wells (according to WAC 173-160 monitoring well standards) that will generally be open to the upper 15-50 feet of the alluvial aquifer.

Source water samples will be collected at the diversion point or at the intake for the recharge site.

See site description (in Walla Walla Basin Recharge Site section) for details regarding sampling locations, schedules and maps.

SCHEDULE

Three samples will be taken at each site during a recharge season. The first sample will be taken just prior to the site starting recharge operations. The source water sample may be taken as the site is started if no other option is available. The second sample will be taken in the middle of the recharge season. The third sample will be taken near the end of the recharge season, ideally just before shutdown. See the table below for a generalized schedule.

Location	Sample	Date
Up Gradient Well	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (close)	Pre-operations Sample	~ Dec 1 st - March 1 st
Down Gradient Well (distal)	Pre-operations Sample	~ Dec 1 st - March 1 st
Source Water	Pre-operations Sample	~ Dec 1 st - March 1 st
Up Gradient Well	Mid-operations Sample	~April 15 th
Down Gradient Well (close)	Mid-operations Sample	~April 15 th
Down Gradient Well (distal)	Mid-operations Sample	~April 15 th
Source Water	Mid-operations Sample	~April 15 th
Up Gradient Well	Post-operations Sample	~ May 31 st
Down Gradient Well (close)	Post-operations Sample	~ May 31 st
Down Gradient Well (distal)	Post-operations Sample	~ May 31 st
Source Water	Post-operations Sample	~ May 31 st

SAMPLING ORDER

Samples should be collected in order from least to most contaminated (if known) to prevent potential cross-contamination.

SAMPLE COMPARABILITY

Samples collected under this QAPP use the sample analytical methods used to collect data for the Walla Walla River Chlorinated Pesticides and PCBs Total Maximum Daily Load (Water Cleanup Plan) (Ecology Publication No. 05-10-079).

SAMPLING PROCEDURES

PROCEDURES

Sampling procedures for this QAPP are described in the Walla Walla Basin Watershed Council's Watershed Monitoring Program Standard Operation Procedures (Version 1.2). This SOP document is attached as Appendix A. The sampling procedures described in the WWBWC's SOP document are taken from Washington Department of Ecology's Standard Operation Procedures for Sampling of Pesticides in Surface Waters (EAP 003 SOP) – see Appendix B.

DECONTAMINATION

All non-disposable field equipment that may potentially come in contact with any soil or water sample shall be decontaminated in order to minimize the potential for cross-contamination between sampling locations. Thorough decontamination of all sampling equipment shall be conducted prior to each sampling event. In addition, the sampling technician shall decontaminate all equipment in the field as required to prevent cross-contamination of samples collected in the field. The procedures described in this section are specifically for field decontamination of sampling equipment.

At a minimum, field-sampling equipment should be decontaminated following these procedures:

- ◆ Wash the equipment in a solution of non-phosphate detergent (Liquinox® or equivalent) and distilled or deionized water. All surfaces that may come in direct contact with the samples shall be washed. Use a clean Nalgene and/or plastic tub to contain the wash solution and a scrub brush to mechanically remove loose particles. Wear clean latex, plastic, or equivalent gloves during all washing and rinsing operations.
- ◆ Rinse twice with distilled or deionized water.
- ◆ Dry the equipment before use, to the extent practicable.

SAMPLE IDENTIFICATION

Each sample will be labeled with the following information:

- ◆ Sampler's Name
- ◆ Sample Date
- ◆ Sample Time
- ◆ Sample Location (Groundwater = GW #, Source water = S #)
- ◆ Recharge Site
- ◆ Parameters & preservatives

SAMPLE TRANSPORTATION

Samples typically need to be shipped overnight to ensure delivery before holding times expire. Samples should be prepped and delivered to the UPS store before their deadline for overnight

delivery. Call the UPS store beforehand to check when the samples need to arrive to ensure delivery to the lab.

Coolers should be sealed and shipped or driven to the lab as soon as possible. The method of shipping is usually determined by the parameter having the shortest holding time. Shipping times of more than 24 hours should be avoided as the cooler(s) may warm and compromise sample quality.

CHAIN-OF-CUSTODY

A chain-of-custody form should be completed and signed by the sampler on the day samples are collected. The chain-of-custody form must be signed by laboratory personnel upon receipt and any other individuals that maintain custody of the samples in the interim (except the shipping company).

FIELD NOTES

Field notes associated with sample collection will be kept in the WWBWC's Aquifer Recharge Water Quality Field book (see below for datasheets).

MEASUREMENT PROCEDURES

PROCEDURES

Sampling procedures for this QAPP are described in the Walla Walla Basin Watershed Council's Watershed Monitoring Program Standard Operation Procedures (Version 1.2). The SOP document can be downloaded from the WWBWC website:

http://wwbwc.org/images/Monitoring/SOP/WWBWC_SOP.pdf

MEASUREMENT METHODS

FIELD MEASUREMENTS

Analyte	Sample Matrix	# of Samples	Expected Range of Results	Reporting Limit or Criterion	Analytical Method
Water Temperature	Groundwater	Depends upon purging values	5-15 °C	0.1 °C	YSI-30/Orion 5-Star
Specific Conductance	Groundwater	Depends upon purging values	50-500 µs/cm	1 µs/cm	YSI 30/Orion 5-Star
pH	Groundwater	Depends upon purging values	7.0 – 8.0	0.1 pH units	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Depends upon purging values	0 – 10 mg/L	0.1 mg/L	Orion 5-Star meter

LABORATORY MEASUREMENTS

See table listed in Measurement Methods within the Sampling Process section.

QUALITY CONTROL

QUALITY CONTROL SAMPLING

FIELD MEASUREMENTS

Parameter	Field		Office/Laboratory	
	Blanks	Replicates	Check Standards	Calibration
Water Temperature	N/A	1/site	1/day	Yearly
Specific Conductance	1/day	1/site	1/day	Yearly
pH	N/A	1/site	1/day	Yearly
Dissolved Oxygen	N/A	1/site	N/A	Yearly

LABORATORY MEASUREMENTS

Parameter	Field		Laboratory		
	Blanks	Replicates	Method Blanks	Analytical Duplicates	Matrix Spikes
Barium	1/season	1/season	1/season	1/season	1/season
Cadmium	1/season	1/season	1/season	1/season	1/season
Chromium	1/season	1/season	1/season	1/season	1/season
Lead	1/season	1/season	1/season	1/season	1/season
Mercury	1/season	1/season	1/season	1/season	1/season
Selenium	1/season	1/season	1/season	1/season	1/season
Silver	1/season	1/season	1/season	1/season	1/season
Fluoride	1/season	1/season	1/season	1/season	1/season
Nitrate (as N)	1/season	1/season	1/season	1/season	1/season
Endrin	1/season	1/season	1/season	1/season	1/season
Methoxychlor	1/season	1/season	1/season	1/season	1/season
1,1,1-Trichloroethane	1/season	1/season	1/season	1/season	1/season
2-4 D	1/season	1/season	1/season	1/season	1/season
2,4,5-TP Silvex	1/season	1/season	1/season	1/season	1/season
Total Coliform Bacteria	1/season	1/season	1/season	1/season	1/season
Copper	1/season	1/season	1/season	1/season	1/season
Iron	1/season	1/season	1/season	1/season	1/season
Manganese	1/season	1/season	1/season	1/season	1/season
Zinc	1/season	1/season	1/season	1/season	1/season
Chloride	1/season	1/season	1/season	1/season	1/season
Sulfate	1/season	1/season	1/season	1/season	1/season
Total Dissolved Solids	1/season	1/season	1/season	1/season	1/season
Foaming Agents	1/season	1/season	1/season	1/season	1/season
pH	1/season	1/season	1/season	1/season	1/season

Parameter	Field		Laboratory		
	Blanks	Replicates	Method Blanks	Analytical Duplicates	Matrix Spikes
Color	1/season	1/season	1/season	1/season	1/season
Odor	1/season	1/season	1/season	1/season	1/season
Chlorinated Pesticides (soil and water)	1/season	1/season	1/season	1/season	1/season
PCBs (soil and water)	1/season	1/season	1/season	1/season	1/season
Total Phosphorus	1/season	1/season	1/season	1/season	1/season
Carbonate & Bicarbonate	1/season	1/season	1/season	1/season	1/season
Temperature	1/season	1/season	1/season	1/season	1/season
Turbidity	1/season	1/season	1/season	1/season	1/season
Arsenic	1/season	1/season	1/season	1/season	1/season

- ◆ Field blanks will be transfer blanks created using deionized water with sample bottles filled at the recharge site.
- ◆ Field Duplicates are two samples collected at the same time and location and analyzed in the same batch.
- ◆ Laboratory Method Blanks are blanks prepared to represent the sample matrix and analyzed in a batch of samples.
- ◆ Laboratory Analytical Duplicates are where the laboratory analyzes duplicate aliquots of a sample within each batch.

DATA MANAGEMENT PROCEDURES

FIELD NOTES

All data collected in the field should be recorded on datasheets printed on waterproof paper (e.g. Rite-in-the-Rain). Notes should be clearly and legibly written so data and remarks are easily read and interpreted. If a mistake is made, draw a single line through the bad data and record the correct data next to it. Do not erase or completely mark out mistakes. All datasheets should be completed as fully as possible during data collection.

All datasheets will be scanned and stored on the WWBWC server. Data will also be entered into the WWBWC’s AQUARIUS database. Once data have been entered into the database, visual checks will be done to detect and correct any errors.

LABORATORY DATA PACKAGE

Data package from the laboratory will include the following:

- ◆ Data
- ◆ Analytical Method used
- ◆ Quality Control results
- ◆ Field Blanks results
- ◆ Field Duplicate results
- ◆ Laboratory Method Blank results
- ◆ Laboratory Analytical Duplicate results
- ◆ Discussion of any problems

DATA STORAGE AND AVAILABILITY

All field notes, analytical results and other pertinent data associated with this QAPP will be maintained in a secure location and be archived for at least a 5 year period. Data will be made available in annual reports or by request from the WWBWC.

REPORTING

REPORTING SCHEDULE

Annual reports will be created either for each recharge site or for the program as a whole. Annual reports will be completed and submitted to Ecology by December 31st of each year.

REPORT COMPONENTS

The annual report will include the following information and data for each site:

- ◆ Annual recharge volume (acre-feet)
- ◆ Hydrograph of daily average and 15-minute inflow data
- ◆ Groundwater hydrographs for up and down gradient wells
- ◆ Water quality results for all three sampling events
- ◆ Issues, concerns or problems during the recharge season

Reports will be written by Steven Patten, WWBWC Senior Environmental Scientist, and Troy Baker, WWBWC GIS/Database Analyst.

DATA VERIFICATION, VALIDATION AND QUALITY ASSESSMENT

DATA VERIFICATION & VALIDATION PROCEDURES

After data have been entered into the AQUARIUS database, field data and laboratory data will be plotted to verify data are consistent, correct and complete. Data analysis will be conducted to ensure data collected met the requirements set forward for quality control (see above). Data will be graded and/or qualified as necessary.

Results from the QC sample analyses will be used to directly compare results to the measurement quality objectives laid out earlier in this document. Data

See Appendix A for additional information regarding data checks.

The WWBWC will work with Ecology staff to analyze collected data to determine the recharge site's impact on groundwater quality and groundwater and surface water levels (quantity). This analysis will be used in determining if the project qualifies for a permanent Environmental Enhancement Project permit.

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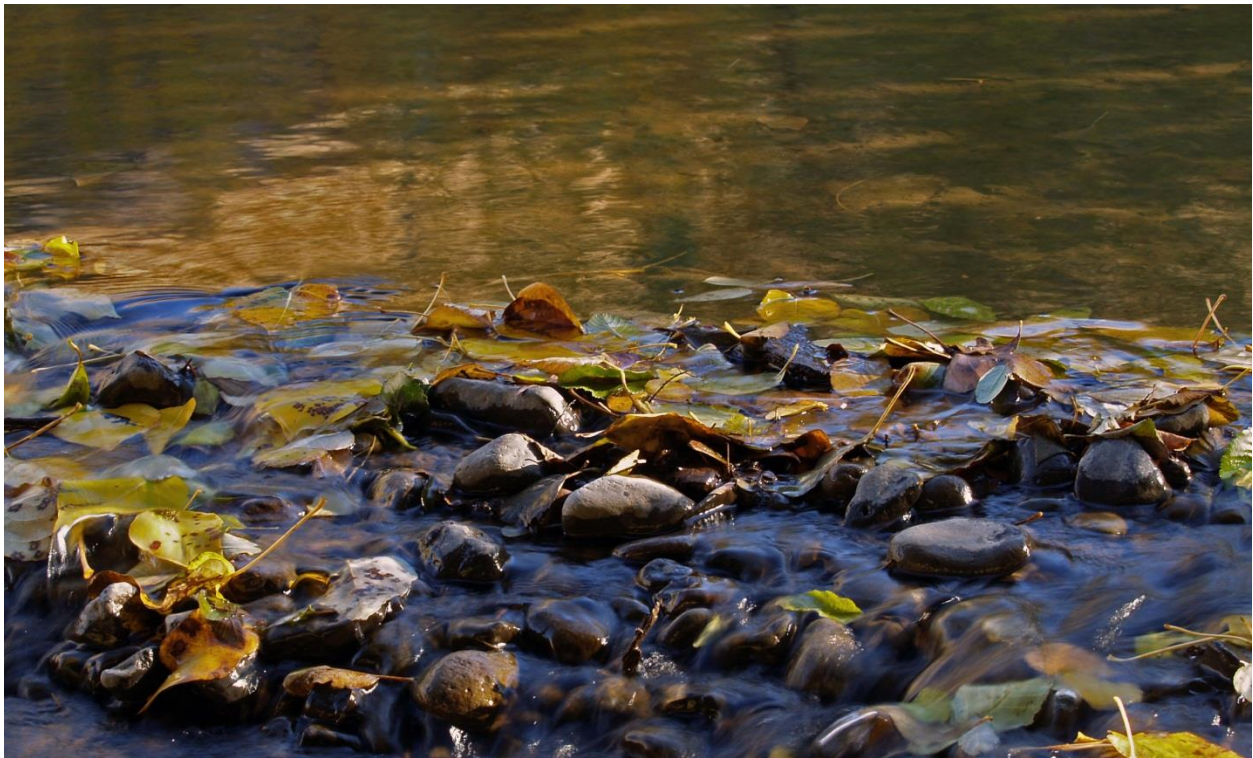
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APPENDIX A – WWBWC STANDARD OPERATING PROCEDURES

WWBWC Watershed Monitoring Program

Standard Operating Procedures



Steven Patten
Senior Environmental Scientist - WWBWC

Standard Operating Procedures

Version 1.2

April 2013

CONTENTS

SOP Revision History	5
Distribution List	6
Background and Project Description	7
Program Area	7
Project Goals & Objectives	8
Organization and Schedule	9
Walla Walla Basin Watershed Council Personnel	9
Program Partners	9
Program Schedule	10
Quality Objectives.....	11
Study Design	11
Field Measurements	12
Laboratory Measurements	12
Sampling Procedures	13
Water Quality Sampling (Groundwater).....	13
Equipment.....	13
Purging and Sampling.....	14
Decontamination.....	15
Water Quality Sampling (Surface water).....	16
Equipment.....	16
Sampling.....	16
Decontamination.....	17
Water Quality Sampling Datasheet	18
Measurement Procedures.....	20
Photo Point Monitoring.....	20
Equipment.....	20
Establishing a Photo Point	20
Visiting a Photo Point.....	20
Surface Water Monitoring.....	20
Equipment.....	21
Vertical Stage Measurement.....	21

Tape-Down Stage Measurement.....	22
Laser Level Stage Measurement.....	22
Discharge Measurement (Wading).....	23
Discharge Measurement (Bridge).....	24
Discharge Calculation.....	24
Station Visit (without Discharge Measurement)	25
Discharge Notes Data Sheet.....	26
Gaging Station Log Data Sheet.....	27
Stream Gage Notes Data Sheet	28
Groundwater Monitoring	29
Equipment.....	29
Establishing a Measuring Point.....	30
Manual Groundwater Level Measurement (E-tape).....	30
Pressure Transducer Deployment.....	30
Pressure Transducer Download and Maintenance.....	31
Grab Samples for Groundwater Temperature and Specific Conductivity	32
Site Maintenance	32
Groundwater Monitoring Data Sheets	33
Water Temperature Monitoring.....	34
Equipment.....	34
Pre & Post Deployment Accuracy Check.....	34
Field Accuracy Checks (Site visits)	35
Deployment.....	35
Recovery	35
Pre & Post Deployment Accuracy Check Data Sheet	36
Scour Chains and Bed Stability.....	37
Equipment.....	37
Scour Chain Construction.....	37
Scour Chain Installation	38
Scour Chains Scour/Fill Monitoring.....	41
Channel Survey	42
Pebble Counts.....	42
Pebble Count Data Sheets.....	43

Seepage Analysis.....	44
Water Quality Monitoring (Field Measurements).....	44
Water Temperature and Conductivity (YSI-30).....	44
Dissolved Oxygen.....	44
pH.....	44
Conductivity.....	45
Turbidity.....	45
Quality Control.....	45
Quality Control for Laboratory Measurements.....	45
Quality Control for Field Measurements.....	45
Field Records.....	45
Surface Water Monitoring.....	46
Groundwater Monitoring.....	46
Water Temperature Monitoring.....	46
Water Quality Monitoring.....	46
Data Management Procedures.....	46
Field Notes.....	46
In The Field.....	46
At The Office.....	47
Data Loggers.....	47
In The Field.....	47
At The Office.....	47
Data Input (AQUARIUS).....	47
Data Access (WWBWC Website).....	47
Data Security and Backups.....	49
Data Quality Assessment.....	49
Initial Posting of Data/Near-Real Time Data.....	49
Data Quality Review.....	49
Data Quality Rating.....	49
Surface Water.....	49
Groundwater.....	50
Temperature.....	50

SOP REVISION HISTORY

Revision Date	Revision Number	Summary of Changes	Sections Changed	Reviser(s)
11/2012	1.0	Creation of SOP document	All	Steven Patten
2/8/2013	1.1	Incorporated Review Comments	Study Design, Data Management, Surface Water monitoring and grammatical corrections	Steven Patten
4/1/2013	1.2	Photo Point Monitoring, Sampling Procedures and Grammatical changes	Photo Point Monitoring, Sampling Procedures and others	Steven Patten

DISTRIBUTION LIST

This document will be made available to the public, agencies and grant funders through the Walla Walla Basin Watershed Council's website (www.wwbwc.org). Internal distribution of the document will occur through the WWBWC's internal server. All field and technical personnel will be given an electronic copy of this document. A printed version will be available in the WWBWC office. This document will be redistributed to personnel and uploaded to the WWBWC server and website upon revision.

BACKGROUND AND PROJECT DESCRIPTION

The Walla Walla Basin Watershed Council's Watershed Monitoring Program includes more than 60 surface water sites, more than 100 groundwater sites, 10 water temperature sites, and more than a dozen water quality sites. The monitoring program covers almost the entire watershed starting in the upper reaches of the rivers and extending to the valley floor near where the Walla Walla River drains to the Columbia River. This document describes the WWBWC's Watershed Monitoring Program and includes the standard operating procedures used to collect environmental and hydrologic data.

PROGRAM AREA

The area of study for the Walla Walla Basin Watershed Council's Quality Assurance Program Plan includes the entire Walla Walla Watershed (Figure 1).

Monitoring locations for this program are spread throughout the valley (Figure 2), however the majority of the work conducted under this plan will take place on the valley floor Northwest of Milton-Freewater, OR, Southwest of Walla Walla, WA, and East of Touchet, WA. Aspects of the program (i.e. seepage runs) encompass other portions of the basin including almost the entire lengths of the Walla Walla River, the Touchet River and Mill Creek.

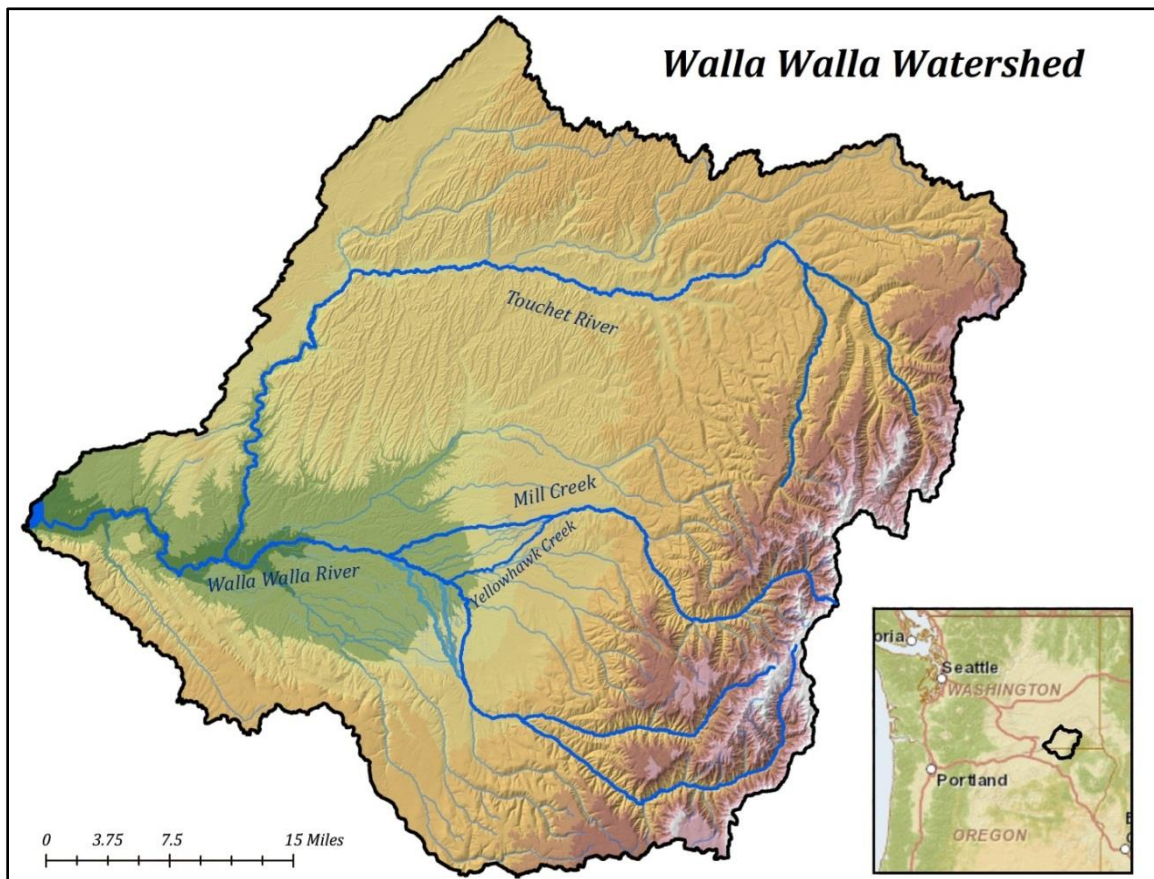


Figure 1. Map of the Walla Walla Watershed.

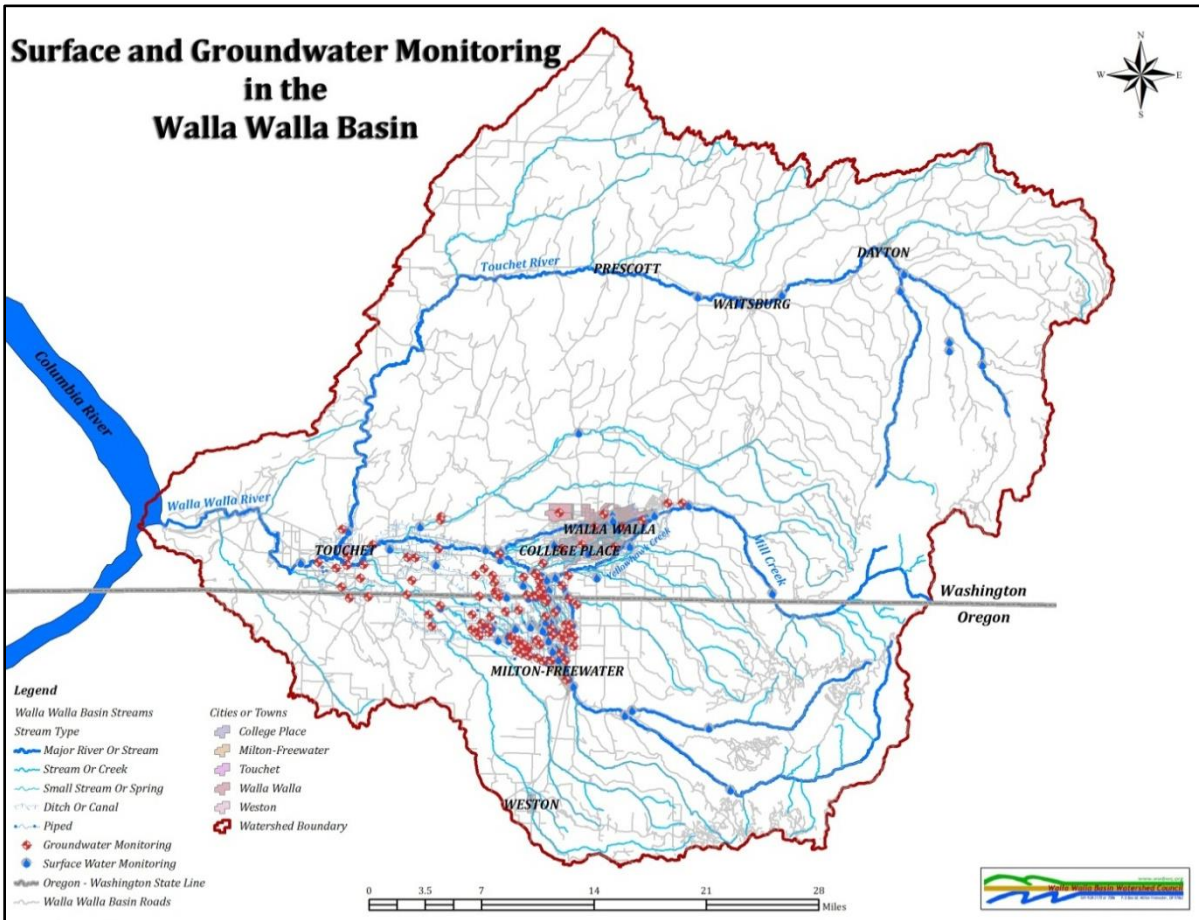


Figure 2. WWBWC Watershed Monitoring Program surface and groundwater monitoring locations.

PROJECT GOALS & OBJECTIVES

This monitoring program’s goal is collect, organize, analyze and distribute hydrology related data for use by the WWBWC and other partners as projects are located, designed, installed and monitored so restoration in the Walla Walla Basin moves forward with knowledge of current and historic trends. The following objectives will achieve the program’s goal.

- ◆ Collection of quality data utilizing well-established scientific protocols for monitoring activities.
- ◆ Organization of data into a functional system to allow use and analysis of data. Data must be organized and accessible for it to be useful.
- ◆ Analyzing data allows for trends and patterns to be determined. From these analyses we can determine how the basin is responding to changes (both environmental and project based).
- ◆ Distribution of data is critical. All of the above objectives can be completed, but without distribution of the data to other partners there cannot be a cohesive direction for restoration in the basin.

ORGANIZATION AND SCHEDULE

WALLA WALLA BASIN WATERSHED COUNCIL PERSONNEL

Name	Position	Main Tasks	Email
Brian Wolcott	Executive Director	Program Management	brian.wolcott@wwbwc.org
Steven Patten	Senior Environmental Scientist	Program Management & data collection and analysis	steven.patten@wwbwc.org
Troy Baker	GIS/Geodatabase Analyst	Geodatabase management & data collection and analysis	troy.baker@wwbwc.org
Wendy Harris	Operations Manager	Program/Operations Management and Oversight	wendy.harris@wwbwc.org
Will Lewis	Environmental Scientist	Data collection and analysis	will.lewis@wwbwc.org
Lyndsi Hersey	Environmental Scientist	Data collection and analysis	lyndsi.hersey@wwbwc.org
Chris Sheets	Fiscal Technician	Fiscal Oversight and management	chris.sheets@wwbwc.org
Graham Banks	Science Educator	Outreach and Education	graham.banks@wwbwc.org

The Walla Walla Basin Watershed Council's phone number is: 541-938-2170

PROGRAM PARTNERS

The Walla Walla Basin Watershed Council works with many partners throughout the basin to collect the monitoring data in the program. Program partners include: Hudson Bay District Improvement Company (HBDIC), Walla Walla River Irrigation District (WWRID), Gardena Farms Irrigation District #13 (GFID), Oregon Water Resources Department (OWRD), Washington Department of Ecology (WDOE), Confederated Tribes of the Umatilla Indian Reservation (CTUIR), City of Walla Walla, City of Milton-Freewater, City of College Place, Walla Walla Watershed Management Partnership (WWWMP), Tri-State Steelheaders (TSS), Oregon Department of Fish and Wildlife (ODFW), Washington Department of Fish and Wildlife (WDFW), Washington Water Trust, The Freshwater Trust, Walla Walla University, Whitman College, Oregon Department of Environmental Quality (ODEQ), and many businesses and individual landowners in the basin.

PROGRAM SCHEDULE

The WWBWC's monitoring program is an on-going process. A general schedule of activities is described in the table below:

Monitoring Activity	Year-round or Seasonal	General Schedule
Surface Flow (River)	Year-round and Seasonal	Sites are visited every other week to collect staff gauge measurements and perform general site maintenance. Manual discharge measurements and other data are collected during ~6 visits each year. A few river sites are only monitored seasonally during summer and fall base flows.
Surface Flow (Streams, Springs & Ditches)	Year-round	Sites are visited 4-5 times a year to download data, conduct manual flow measurements, perform site maintenance and collect other data.
Groundwater Level Monitoring	Year-round	Sites are visited ~4 times a year to download data, conduct manual groundwater level measurements, perform site maintenance and collect other data.
Water Temperature (River)	Seasonal	Data loggers are deployed in late spring or early summer and retrieved late fall or early winter dependent upon river flows.
Evaporation-Transpiration (ET) Stations	Year-round	Sites are visited ~3-4 times a year to download data and perform site maintenance.
Scour Chains and Bed Stability	Seasonal	Sites are visited ~2-3 times a year to collect data, conduct channel survey and perform any maintenance.
Seepage Analysis	Seasonal	Seepage runs occur twice a year on each river system. Typically runs are conducted late spring or early summer and late summer or early fall.
Water Quality Sampling (SAR)	Seasonal	Water quality sampling is done during the shallow aquifer recharge season which typically starts in November and continues through May.
Water Quality Sampling (PSP)	Seasonal	Water quality sampling is done from March till June during the typical pesticide application time period.
Data Analysis and Distribution	Year-round	As data are collected, analyzed and incorporated into the WWBWC's database as provisional. Data are reviewed at the end of each water year.

QUALITY OBJECTIVES

Parameter	Check Standard	Duplicate Samples
Water Temperature	± 0.5 °C (NIST Thermometer)	± 0.2 °C
pH	± 0.1 pH units	± 0.1 pH units
Specific Conductance	± 5% of standard	± 5% of reading
Dissolved Oxygen	± 0.2 mg/L	± 0.1 mg/L
Groundwater Level Measurement	N/A	± 0.01 feet
Manual Discharge Measurement	N/A	± 10%
Tape Down Measurement	N/A	± 0.02 feet
Vertical Staff Gauge Measurement	N/A	± 0.02 feet

STUDY DESIGN

Monitoring locations were determined by availability to measure parameter of interest (e.g. groundwater can only be measured at wells or bore holes or high discharge measurements can only be taken at bridges). Professional judgment was also utilized in the placement of monitoring locations if multiple sites were available. Many monitoring locations were determined based upon anthropogenic changes to the system (e.g. irrigation diversions, flood control structures or restoration projects).

Sampling locations and frequency cover temporal and spatial variability within the valley. For example, monitoring surface flow sites 4-6 times per year allows for data collection to include high and low flow periods based upon environmental changes. The schedule provided for each sampling parameter tries to accommodate temporal variability throughout the year.

The current study design is structured for two main functions. The first function is to provide baseline and/or trend monitoring for the hydrologic system within the Walla Walla Basin - are conditions improving, remaining the same or getting worse? The second function is to provide effectiveness monitoring for projects (habitat restoration, irrigation efficiency, aquifer recharge and others) occurring in the Walla Walla Basin.

The data collected under these standard operating procedures will help answer hydrologic and restoration questions such as (but not limited to):

- ◆ Are surface flows increasing in the Walla Walla River? If present, can the increases be attributed to conservation effects?
- ◆ Are groundwater levels declining in the alluvial aquifer? If so, is aquifer recharge helping to restore aquifer storage? Can declines be attributed to piping projects or other irrigation efficiency projects?
- ◆ Are water temperatures in the Walla Walla River improving over time? Where are the hottest locations? Are habitat projects improving water temperature?

FIELD MEASUREMENTS

The majority of sampling for this program will occur in the field. Refer to the table below for which samples will be collected in the field and a sampling schedule for each.

Measurement Parameter	Monitoring Program	Schedule
River/Stream Discharge	Surface Flow Monitoring	4-6 times per year
Water Temperature	Surface Flow Monitoring	4-6 times per year
Specific Conductance	Surface Flow Monitoring	4-6 times per year
Staff Gage Reading	Surface Flow Monitoring	4-6 times per year (20+ for mainstem gage locations)
Elevation Reference Checks	Surface Flow Monitoring	4-6 times per year
Channel Survey	Surface Flow Monitoring	1 every 2-3 years
Groundwater Level Measurement	Groundwater Monitoring	4 times per year
Groundwater Temperature	Groundwater Monitoring	4 times per year
Specific Conductance	Groundwater Monitoring	4 times per year
Surface/Groundwater Temperature	Recharge Water Quality Monitoring	2-3 times per year
Surface/Groundwater Specific Conductance	Recharge Water Quality Monitoring	2-3 times per year
Surface/Groundwater Dissolved Oxygen	Recharge Water Quality Monitoring	2-3 times per year
Surface/Groundwater pH	Recharge Water Quality Monitoring	2-3 times per year
Channel Survey	Scour Chains & Bed Stability	2-3 times per year
Scour Chain Measurement	Scour Chains & Bed Stability	2-3 times per year
Pebble Counts	Scour Chains & Bed Stability	1-2 times per year
Longitudinal Survey	Scour Chains & Bed Stability	1 time per year
Water Temperature	River Temperature Monitoring	2-3 time per year
River/Stream Discharge	Seepage Runs	2 times per year per river
Water Temperature	Seepage Runs	2 times per year per river
Specific Conductance	Seepage Runs	2 times per year per river

LABORATORY MEASUREMENTS

Some of the water quality sampling that is conducted under this plan requires laboratory level analysis. Some of the sampling parameters and schedules are listed in the table below.

Sampling Parameter	Monitoring Program	Schedule
pH	Recharge Water Quality Monitoring	2-3 times per year
Electrical Conductivity	Recharge Water Quality Monitoring	2-3 times per year
Dissolved Oxygen	Recharge Water Quality Monitoring	2-3 times per year
Nitrate-N	Recharge Water Quality Monitoring	2-3 times per year
Total Organic Carbon	Recharge Water Quality Monitoring	2-3 times per year
Total Kjeldahl Nitrogen (TKN)	Recharge Water Quality Monitoring	2-3 times per year
Sulfate	Recharge Water Quality Monitoring	2-3 times per year
Chloride	Recharge Water Quality Monitoring	2-3 times per year

Sampling Parameter	Monitoring Program	Schedule
Calcium	Recharge Water Quality Monitoring	2-3 times per year
Alkalinity	Recharge Water Quality Monitoring	2-3 times per year
Ortho-Phosphate	Recharge Water Quality Monitoring	2-3 times per year
Sodium	Recharge Water Quality Monitoring	2-3 times per year
Potassium	Recharge Water Quality Monitoring	2-3 times per year
Magnesium	Recharge Water Quality Monitoring	2-3 times per year
Aluminum	Recharge Water Quality Monitoring	2-3 times per year
Iron (dissolved)	Recharge Water Quality Monitoring	2-3 times per year
Manganese (dissolved)	Recharge Water Quality Monitoring	2-3 times per year
PCBs	Recharge Water Quality Monitoring	2-3 times per year
Chlorinated Pesticides	Recharge Water Quality Monitoring	2-3 times per year
Herbicides	Recharge Water Quality Monitoring	2-3 times per year
Primary and Secondary contaminants listed in WAC 173-200, Table 1	Recharge Water Quality Monitoring	2-3 times per year

SAMPLING PROCEDURES

WATER QUALITY SAMPLING (GROUNDWATER)

Groundwater sampling is conducted utilizing the following procedures. The general overview of groundwater sampling includes gathering equipment, measuring the initial water level, installing a submersible pump in the well, purging the well at a low flow rate, collecting and labeling all required samples and delivering them to the lab or shipping company. Details on parameters sampled for each site can be found in its monitoring and reporting plan.

Note: this procedure is modified from:

Marti, 2011. Standard Operating Procedure for Purging and Sampling Monitoring Wells. Washington State Department of Ecology – Environmental Assessment Program. EAP078.

EQUIPMENT

- Sampling field data sheets (see below) or field notebook
- Chain of Custody form
- Water level measuring equipment (e-tape)
- Water quality meters and probes (Temperature, Specific Conductance, pH & Dissolved Oxygen)
- Submersible pump
- Pump controller
- Tubing and connectors
- Sample bottles/containers
- Cooler
- Ice
- Deionized water
- Diluted Bleach solution
- Non-phosphate soap
- Nitrile or latex gloves

- First aid kit
- Well keys
- Camera
- Paper towels or clean rags
- Plastic sheet for keeping equipment clean
- Buckets (5-gallon or similar for purge volumes)
- 1 liter container (for purge volumes)
- Socket set
- Screwdriver(s)

PURGING AND SAMPLING

1. Check well for any changes or potential hazards.
2. Make sure equipment has been cleaned and decontaminated (see below for details). Spread plastic or other material if needed to keep equipment clean.
3. Wear clean disposable gloves (latex or Nitrile) while performing purging and sampling. If gloves become contaminated or dirty replace with new gloves.
4. Make sure field water quality meters are calibrated according to the manufacturer's instructions.
5. If well is equipped with a pressure transducer, note how it is installed and its position to replace it after sampling. Remove the pressure transducer from the well. Note the time the pressure transducer was removed from the well on the data sheet or in the field notebook.
6. Measure the static water level in the well (see Groundwater Level and Temperature protocol below for details).
7. Measure the depth of the well or refer to the well log to determine the depth of the well.
8. Calculate the length of the water column. Calculate the volume of water in the well using the following values: 2" well = 0.1631 gallons per linear foot, 4" = 0.6524 gallons per linear foot (Equation used for water volume calculation – Volume (gal/ft) = $\pi r^2(7.48 \text{ gal/ft}^3)$ where r is the radius of the well and 7.48 is the conversion factor).
9. Install the submersible pump into the well. Be sure to slowly lower the pump into the well and through the water to avoid stirring up particulates. Place the pump in the middle of the screen section of the well (refer to well log to determine the open interval for pump placement).
10. Once the pump is installed correctly re-measure the static water level to monitor during purging.
11. Start purging. Set the pump controller to the desired pumping rate (~1 liter/minute). See notes from previous sampling for pumping rate.
12. Ideally, wells should be purged and sampled at flow rates at or less than the natural flow conditions of the aquifer in the screen interval to avoid drawing down the water level in the well. Use water level measurements to help adjust pumping rates to prevent well drawdown. Purging should not cause significant drawdown (considered to be 5% of the total height of the water column). If drawdown is significant, reduce pumping rate until water levels stabilize at an appropriate level.
13. Record pumping rate on the data sheet or field notebook.
14. Discharge evacuated water as far as possible from the wellhead and work area.
15. During purging and sampling water flow should be smooth and consistent without bubbles in the tubing.
16. Once pumping rate has been determined and flow has stabilized, start collecting field parameters (water temperature, specific conductance, pH and dissolved oxygen) at regular

intervals. The measurement interval will depend upon the pumping rate (typically 2-5 minutes between measurements).

17. Record field parameters, water level measurement, and estimated amount of water purged. Note any changes in purged water's appearance (clear, turbid, odor, etc.).
18. Continue purging well until field parameters stabilize. Parameters should be considered to be stabilized when 3 consecutive measurements fall within the following ranges:

Field Parameter	Stabilized Range
Temperature	± 0.1 ° Celsius
Specific Conductance <1000 µs/cm	± 10 µs/cm
Specific Conductance >1000 µs/cm	± 20 µs/cm
Dissolved Oxygen < 1 mg/L	± 0.05 mg/L
Dissolved Oxygen > 1 mg/L	± 0.2 mg/L
pH	± 0.1 pH units

19. Collect samples once field parameters have stabilized. Do not stop or change pumping rate during the final phase of purging and sampling.
20. Collect most sensitive analytes first (i.e. organics) followed by less sensitive analytes (i.e. nutrients). This order can be modified if using sulfuric or nitric acid preservatives to prevent contamination of sulfate and/or nitrogen samples. Collect any duplicate or quality control samples (see below for details).
21. Place samples in an ice-cooled cooler for delivery to the lab or shipping company. Make sure samples do not freeze during transport.
22. Complete chain of custody form. Record sample date and time, final water level and estimated total purge volume on the data sheet or in the field notebook. Also record any comments or observations regarding the purging and sampling process.
23. Replace pressure transducer if the well was equipped with one. Note re-install time on the data sheet or in the field notebook.
24. Clean and disinfect sampling equipment for next sampling event.

DECONTAMINATION

All non-disposable field equipment that may potentially come in contact with any soil or water sample shall be decontaminated in order to minimize the potential for cross-contamination between sampling locations. Thorough decontamination of all sampling equipment shall be conducted prior to each sampling event. In addition, the sampling technician shall decontaminate all equipment in the field as required to prevent cross-contamination of samples collected in the field. The procedures described in this section are specifically for field decontamination of sampling equipment.

At a minimum, field-sampling equipment should be decontaminated following these procedures:

- ◆ Wash the equipment in a solution of non-phosphate detergent (Liquinox® or equivalent) and distilled or deionized water. All surfaces that may come in direct contact with the samples shall be washed. Use a clean Nalgene and/or plastic tub to contain the wash solution and a scrub brush to mechanically remove loose particles. Wear clean latex, plastic, or equivalent gloves during all washing and rinsing operations.

- ◆ Rinse twice with distilled or deionized water.
- ◆ Dry the equipment before use, to the extent practicable.

WATER QUALITY SAMPLING (SURFACE WATER)

Surface water sampling is conducted utilizing the following procedures.

Note: this procedure is a modified from:

Anderson, 2011. Standard Operating Procedure for Sampling of Pesticides in Surface Waters. Washington State Department of Ecology – Environmental Assessment Program. EAP003.

EQUIPMENT

- Sampling field data sheets (see below) or field notebook
- Chain of Custody form
- Water quality meters and probes (Temperature, Specific Conductance, pH & Dissolved Oxygen)
- Sample bottles/containers
- Cooler
- Ice
- Deionized water
- Diluted Bleach solution
- Non-phosphate soap (Liquinox or similar)
- Nitrile gloves
- First aid kit
- Camera
- Paper towels or clean rags
- Plastic sheet for keeping equipment clean
- Screwdriver(s)

SAMPLING

1. Check for any changes or potential hazards.
2. Make sure equipment has been cleaned and decontaminated (see below for details). Spread plastic or other material if needed to keep equipment clean.
3. Wear clean disposable gloves (Nitrile) while performing purging and sampling. If gloves become contaminated or dirty replace with new gloves.
4. Make sure field water quality meters are calibrated according to the manufacturer's instructions.
5. Collect required field water quality parameters and record on data sheet. Also note weather conditions
6. Fill out labels on each sample bottle with all necessary information.
7. Samples will be collected using the "Grab Sample" method described in EAP 003.
8. Take sample bottles and sampling equipment to the sample site and put on nitrile gloves.
9. Carefully collect samples by filling each container with water from the site. Note marked fill lines or preservatives to prevent over or under filling of the sample bottle.
10. Collect any duplicate or quality control samples (see below for details).

11. Place samples in an ice-cooled cooler for delivery to the lab or shipping company. Make sure samples do not freeze during transport.
12. Complete chain of custody form. Record sample date and time on the data sheet or in the field notebook. Also record any comments or observations regarding the sampling process.
13. Clean and disinfect sampling equipment for next sampling event.

DECONTAMINATION

All non-disposable field equipment that may potentially come in contact with any soil or water sample shall be decontaminated in order to minimize the potential for cross-contamination between sampling locations. Thorough decontamination of all sampling equipment shall be conducted prior to each sampling event. In addition, the sampling technician shall decontaminate all equipment in the field as required to prevent cross-contamination of samples collected in the field. The procedures described in this section are specifically for field decontamination of sampling equipment.

At a minimum, field-sampling equipment should be decontaminated following these procedures:

- ◆ Wash the equipment in a solution of non-phosphate detergent (Liquinox[®] or equivalent) and distilled or deionized water. All surfaces that may come in direct contact with the samples shall be washed. Use a clean Nalgene and/or plastic tub to contain the wash solution and a scrub brush to mechanically remove loose particles. Wear clean latex, plastic, or equivalent gloves during all washing and rinsing operations.
- ◆ Rinse twice with distilled or deionized water.
- ◆ Dry the equipment before use, to the extent practicable.

MEASUREMENT PROCEDURES

PHOTO POINT MONITORING

Note: these procedures are based upon and modified from:

Hall, F.C., 2002. Photo Print Handbook: Part A – Field Procedures and Part B – Concepts and Analysis.

Photo point monitoring will be used to document changes at measurement points over time. For surface sites this will include change in channel shape, vegetation, and land use changes. For groundwater sites this can include casing changes, pump changes or land use changes.

EQUIPMENT

- Camera
- GPS (to find photo point)
- Clipboard
- Pencil or pen
- Datasheet (for appropriate monitoring site)
- Previous picture or description of photo point

ESTABLISHING A PHOTO POINT

1. Reconnoiter the area to determine the best location for the photo point. Take note of sun direction, potential vegetation growth and main objectives (i.e. channel shape, well casing, pump, etc.).
2. Record GPS coordinates for the photo point and record in the comments section of the data sheet. Also note the direction the photo should be taken and include a description of the main objectives of the photo (i.e. channel shape, vegetation, etc.)
3. Take photo point picture and review. Determine if all of the main objectives are visible in the picture.

VISITING A PHOTO POINT

Photo point monitoring should be conducted during every site visit.

1. Look at previous pictures taken at the photo point to orient. Look at site data sheets to determine GPS coordinates, photo direction and main objectives.
2. Take picture of site. Determine if all of the main objectives are visible in the picture.

SURFACE WATER MONITORING

Note: These procedures are based on and modified from:

Myers, J. 2009. Standard Operation Procedure for Conducting Stream Hydrology Site Visits. Version 1.0. Washington Department of Ecology – Environmental Assessment Program. EAP057.

ODEQ, 2009. Water Monitoring and Assessment Mode of Operations Manual. Watersheds Quality Monitoring Field Sampling Standard Operating Procedure – Laboratory and Environmental Assessment Division. Version 3.2

Rantz, S. E., and others. 1982 Measurement and Computation of Streamflow: Volume I. Measurement of Stage and Discharge. U.S. Geological Survey Water-Supply Paper 2175.

Rantz, S. E., and others. 1982 Measurement and Computation of Streamflow: Volume II. Computation of Discharge. U.S. Geological Survey Water-Supply Paper 2175.

Shedd, J. R. 2011. Standard Operating Procedure for Measuring and Calculating Stream Discharge. Version 1.1. Washington Department of Ecology – Environmental Assessment Program. EAP056.

Shedd, J.R. 2008. Standard Operating Procedure for Measuring Gage Height of Streams. Version 1.0. Washington Department of Ecology – Environmental Assessment Program. EAP042.

EQUIPMENT

- Four foot top set wading rod
- Mechanical Current Meter (Price AA or pygmy), Swiffer, or Marsh-McBirney Velocity Meter
- AquaCalc computer
- Bridge Board
- Sounding Reel
- Columbus sounding weight
- Tape Down Measuring Tape (with weight attached)
- Laser Level
- Stadia Rod
- NIST Thermometer
- YSI-30 Temperature and Conductivity Meter
- Measuring tape (100' or 200')
- Chest or Hip Waders
- Laptop Computer
- Cables for connecting to Data logger
 - LT-300 Cable
 - LT-500 Cable
 - WaterLog Cable or Memory Card
 - Campbell Scientific Cable or Card
- Pen or Pencil
- Data sheets

VERTICAL STAGE MEASUREMENT

Vertical stage measurements are obtained from mounted staff gauges. Most staff gauges used by the WWBWC are graduated in 0.01 feet increments. Measurements should be recorded to 0.01 feet resolution. Below is a photo of a typical WWBWC staff gauge.



1. Read the water level on the staff gauge to the nearest 0.01. If the water level is fluctuating during the reading take the average water level and note the range of fluctuation (1.25 \pm 0.04 where 1.25 is the average water level and 0.04 is the range above or below the average).
2. If water level fluctuations are excessive you can create a temporary stilling well around the staff gauge to get a more accurate reading. You can use a 5-gallon bucket with the bottom cut out for the temporary stilling well.
3. Take the necessary time to obtain an accurate staff gauge reading – both the water level and uncertainty.
4. Record the date, time and measurement data on the data sheet.

TAPE-DOWN STAGE MEASUREMENT

Measuring tape-down stage involves lowering a measuring tape with a weight attached to the end to the water surface from a reference point. Often the reference point is a metal washer attached to a bridge railing.

1. Locate the reference point
2. Lower the weighted tape down to the water surface. The weight should only just touch the water surface creating a small “V” shape on the water surface.
3. Read the tape at the edge of the reference point and record to the nearest 0.01. Include uncertainty caused by wave action or wind.
4. Because the weight is attached to the end of the measuring tape, record the correction factor that needs to be applied to the reference point reading.

LASER LEVEL STAGE MEASUREMENT

Laser levels are used to measure stage height from a known elevation and allow a check on the vertical staff gauge elevation.

1. Place the laser level on the platform of known elevation.
2. Confirm that the platform’s elevation has not changed by measuring the elevation of reference marks/points with the stadia rod. Record data on the Stream Gage Logger Notes datasheet. Reference marks or points are placed near the laser level platform and are typically bolts in large boulders or other stable objects. Compare reference point elevations to ensure platform has not moved.
3. Place the stadia rod as close as possible to the primary staff gauge (typically the vertical staff gauge).
4. Read the laser level using the laser sensor on the stadia rod. Record level.
5. Observe and record the water level (including level of uncertainty) on the stadia rod.
6. Complete the calculations on the Stream Gage Logger Notes datasheet to compute the laser level stage. For the calculations you take the laser rod reading minus the depth of water and that equals the differential laser to water surface. Take the elevation of the laser beam minus the differential to get the laser level stage.

DISCHARGE MEASUREMENT (WADING)

1. Select an appropriate location to perform a discharge measurement (refer to Rantz, 1982 for full details). A good cross section will typically have the following characteristics: relatively straight channel with parallel edges, defined edges, uniform shape, free of vegetative growth and large cobbles or boulders, free of eddies, slack water and turbulence, depths greater than 0.5 feet, velocities greater than 0.5 feet per second that are evenly distributed, close to the gauging station. Often some or many of the above criteria cannot be met. The best available cross section location should be chosen.
2. Stretch a measuring tape across the channel where the measurement will be taken. The tape should be perpendicular to as much of the flow as possible to reduce oblique flow angles.
3. Determine the width of the wetted channel and divide the width into 25-30 segments. Cells should be divided such that each cell has approximately 5% of the total flow and no more than 10%. Segments should be shorter where flow is more concentrated or the bottom is irregular. The width of any segment should not be less than three tenths of a foot (0.3 feet).
4. Start at either the right or left edge of water (REW or LEW). Record tape distance for edge of water.
5. Set wading rod at location for the first measurement. Determine the depth of water.
6. If depth is less than 1.5 feet use the one point method of measuring velocity at 0.6 of the depth.
7. If depth is equal to or greater than 1.5 feet use the two point method of measuring at both 0.2 and 0.8 of the depth and average the velocities.
8. In cases where there is no logarithmic relationship to the velocities in the water column (this is when the 0.2 velocity is less than the 0.8 velocity or the 0.2 velocity is more than twice the 0.8 velocity) the three point method should be used. The three point method measures at 0.2, 0.6 and 0.8. The 0.2 and 0.8 velocities should be averaged and then that result should be averaged with the 0.6 velocity. This weights the 0.6 velocity at 50% and the 0.2 and 0.8 each at 25%.
9. Each velocity measurement should average velocity data for 40 seconds to address variations in water velocity over time at a single measurement point.
10. If water flow direction is not perpendicular to the measuring tape the meter should be pointed directly into the direction of flow. Use the data sheet to measure the angle coefficient (and apply a correction to the velocity) for velocity measurements not perpendicular to the measuring tape (see figure below). Align the point of origin on the measuring tape. Rotate the data sheet until the opposite long edge is parallel to the direction of flow (the same direction the meter is pointed). The angle coefficient is read where the measuring tape intersects the data sheet. Multiply the velocity measurement by the angle coefficient to calculate the perpendicular velocity.

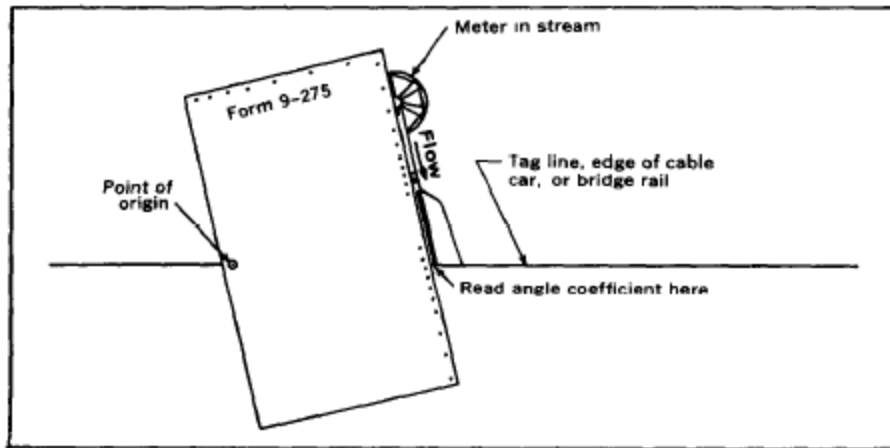


Figure taken from Rantz, 1982.

11. Repeat steps 5-10 for each of the subsequent measurement locations across the cross section until you reach the opposite edge of water.
12. Rate the measurement on a scale from excellent to poor. Rating can be based upon observed conditions as well as information from the AquaCalc file. Observations that can influence the rating of a measurement include (but are not limited to): channel characteristics, proximity to bridges or other structures, number and degree of oblique current angles, condition of equipment, weather, water level bounce and velocity pile up on wading rod and others. Use observations and professional judgment in rating a measurement. Measurements are rated excellent if the discharge value is within 2% of the actual flow value, good if within 5%, fair if within 8% and poor if within 13%.

DISCHARGE MEASUREMENT (BRIDGE)

This section will describe differences between wading and bridge discharge measurements. Follow the procedure for wading discharge measurements above with the following changes:

1. The choice of cross section locations is obviously limited when measuring from a bridge.
2. Use a bridge board, sounding reel, and Columbus weight instead of a wading rod
3. Increase velocities measurements near bridge piers
4. Use the one point method on depths less than 2.5 feet and the two point method on depths equal to or greater than 2.5 feet.
5. Sometimes, water flow direction is all oblique to the bridge. In these cases multiply the raw average velocity of the measurement by the cosine of the angle between current direction and the cross section.

DISCHARGE CALCULATION

Discharge is calculated using the mid-section method in which each section extends halfway between measurement locations. The flow through each section is calculated by multiplying the average velocity with the cross-sectional area of the section. See references for a complete description of discharge calculations.


STATION VISIT (WITHOUT DISCHARGE MEASUREMENT)

River gauging stations and real-time stations are visited twice a month to collect staff gauge readings, perform any site maintenance and download data. These visits do not include a discharge measurement.

1. Open gauge station and retrieve data sheet.
2. Record primary gauge reading in the PGI row (see above for procedure). This is often a vertical staff gauge.
3. Record secondary gauge reading in the SGI row (see above for procedure). Often this is a tape-down measurement.
4. Record auxiliary gauge reading if present in the AUX row. Used for alternate staff gauge readings.
5. Record water temperature from the gauge station.
6. Record water temperature with the NIST thermometer or the YSI-30.
7. Record air temperature from the gauge station.
8. Record air temperature from the NIST thermometer or the YSI-30.
9. Record battery volts.
10. Download data from the data logger and record on the data sheet.
11. Purge the pressure sensor (if equipped).
12. Record battery minimum and maximum.
13. Reset Stats screen.
14. Note any problems, maintenance issues or other information at the bottom of the data sheet.
15. Close and secure the gauge station.

DISCHARGE NOTES DATA SHEET

Dist. from initial point	Riverat- ⁵⁰ VELOCITY						
	.20	.30	.40	.50	.60	.70	.75
1	.6	.6	.6	.8	.8	.2	.2
2							
3							.85
4							.90
5							.92
6							.92
7							.92
8							.92
9							.92
10							.92
11							.92
12							.92
13							.92
14							.92
15							.92
16							.92
17							.92
18							.92
19							.92
20							.92
21							.92
22							.92
23							.92
24							.92
25							.92
26							.92
27							.92
28							.92
29							.92
30							.92


DISCHARGE MEASUREMENT NOTES
 Station No. _____ Meas No. _____
 Name _____ Party _____ Meter No. _____
 Date _____, 20____
 Width _____ Area _____ Vel _____ G.H. _____ Disch _____
 Method _____ No. secs _____ G.H. change _____ in _____ mins
 Max Depth _____ Hor. angle coef _____ Wetted Perim _____
 Type of Meter _____
 Calibration Pre _____ Post _____
 QA Form attached Y / N _____
 Vel Unc _____
 Depth Unc _____
 Overall Unc _____
 Measurement Type: _____
 Wading / Bridge / Boat _____
 Check-bar, found _____ at _____
 changed to _____ at _____

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions:
 Cross Section _____
 Flow _____
 Control _____ Photo taken Y / N _____
 Gage _____
 Weather _____
 Other _____
 Remarks _____
 Zero Flow = 0H _____ - depth at control _____ = _____ Ft.

GROUNDWATER MONITORING

These procedures are for monitoring groundwater levels and groundwater temperature and specific conductivity. The procedure covers equipment needed, establishing a measuring point, manual water level measurements, pressure transducer deployment, download and maintenance, groundwater grab samples for temperature and specific conductivity and site maintenance.

Note: These procedures are modified from Drost, B.W., 2005, Quality-assurance plan for ground-water activities, U.S. Geological Survey, Washington Water Science Center: U.S. Geological Survey Open-File Report 2005-1126, 27 p.

EQUIPMENT

- E-tape (Solinst model 102 Water Level Meter)
- Laptop
- Extra pressure transducers (if available)
- Cables for downloading pressure transducers
 - LT-300
 - MicroDiver/Solinst
 - MicroDiver (direct connect cable)
 - Solinst (direct connect cable)
 - MiniTroll
- Bailer
- Graduated Cylinder
- Temperature and Conductivity meter (YSI 30)
- Sounding Tape
- Measurement tape (measured in tenths of a foot)
- Data sheet (waterproof paper)
- Pen (waterproof) or pencil
- Well keys
- Battery removal tool for MiniTroll pressure transducers
- GPS
- Extra Batteries (AA lithium for pressure transducers & 9v for E-tape)
- Flashlight
- Screwdrivers
- Hammer
- Pipe wrench
- Socket set
- Crescent wrench
- Cable snips
- Pliers (preferably needle-nose)
- Camera
- Well Field Instructions and Procedures binder
- WellNet binder for site references and maps
- Business cards
- U-bolts and cable crimps
- Inverter (for charging laptop from vehicle)
- Cable (speaker wire or 1/16" aviation cable)
- Extra sacrificial weights for E-tape
- Work gloves

- Disposable gloves (nitrile)
- Disinfectant (Lysol or diluted bleach)
- Sharpie or other marking device (for measuring point)
- WD-40

ESTABLISHING A MEASURING POINT

This procedure is for establishing a measuring point on wells from which all water levels are measured.

1. Measuring point (MP) must be permanent as possible, clearly defined and easily located. Typical locations include the top of the well casing or access ports.
2. MP should be located so that the measuring tape can hang freely during water level measurements.
3. Mark MP with Sharpie or other marker (paintstick, etc).
4. Measure distance from the MP to the land surface and record on the data sheet. This measurement is called the top of grade (TOG) for the well. MP's located below the land surface are positive and MP's located above the land surface are negative. If the well has been GPS surveyed, measure TOG from the MP to the surveyed elevation.
5. Take a photograph of the MP to document location Well Network Database or in case the marker wears off.

MANUAL GROUNDWATER LEVEL MEASUREMENT (E-TAPE)

1. Before measuring the water level in a well utilized for drinking-water supply, disinfect the first 5-10 feet of the E-tape with diluted bleach water and dry with single-use towels (e.g. Kimwipes). Use latex or nitrile gloves for drinking-water supply wells and disinfection.
2. Review well info page in the Well Network binder for the MP.
3. Record if the Pump is On (1) or Off (0) in the "Pump" field.
4. Test the E-tape by turning it to "test" or by pressing the "test" button. If the E-tape does not buzz, check the battery. Start with sensitivity set to the mid-range and adjust as necessary.
5. Carefully lower the tape (and weight) into the well. The tape should be lowered slowly to prevent splashing or excess wear on the E-tape.
6. When the E-tape buzzes, pull the tape up and down a few inches to determine the exact level. Hold the tape at the MP and record the value to the nearest 0.01 feet in the "Static" field.
7. Repeat water level measurement. If measurements differ by more than 0.02 feet determine why (well pumping, well recovering, etc) and document reason on data sheet.
8. Periodically check the E-tape to make sure it is in good working condition.

PRESSURE TRANSDUCER DEPLOYMENT

1. Sound well and record measurement or, if available, consult the well log to determine well depth and pump location.
2. Take a manual water level measurement (see above) and record measurement on data sheet.
3. Program and start the pressure transducer. Pressure transducers should collect data every 15 minutes. Pressure transducer should be started so that data will be recorded on the hour (i.e. 12:00, 12:15, 12:30, 12:45, 13:00...). Program transducer with the well's GW

number. Follow the manufacturer's instructions on how to program and start the transducer.

4. Attached pressure transducer to one end of the cable using two wire crimps and a stainless steel U-bolt. Do not use crimps and do not over tighten the U-bolt if using a communication cable.
5. Measure and cut aviation cable or speaker wire to suspend the pressure transducer approximately 5-10 feet above the bottom of the well. This value can change depending upon the depth of the well and the pressure range of the pressure transducer. Make sure to not deploy the pressure transducer below its rated pressure range (typically marked on the side of the device). If the well is deeper than the pressure range, place the pressure transducer at a depth so there is 10-15 feet of pressure range still available (to account for potential water level increases). Pressure transducers should not rest on the bottom of the well or be surrounded by silts/fines that have accumulated in the well. Remember to account for the length of the logger when measuring the length of the cable.
6. If using a communication cable for the manufacturer, following the steps above to determine cable length.
7. Record length of cable, pressure transducer serial number and communication cable serial number if used.
8. Slowly lower pressure transducer and cable into the well making sure the transducer is not free falling. Take extra care as the transducer passes through the water-air interface to prevent damage to the transducer or entrainment of air bubbles.
9. Attach cable to the well at the surface using wire crimps and a stainless steel U-bolt.
10. Mark the cable so that cable slippage, if it occurs, can be accounted for during future site visits.
11. Make sure that all of the cable is deployed and the transducer is hanging on the cable rather than caught on a pump or some other obstruction.
12. Photograph the well to document the pressure transducer deployment and well. Try to capture the area around the well, any well apparatus and the measuring point. Multiple photos may be required.

PRESSURE TRANSDUCER DOWNLOAD AND MAINTENANCE

1. Record manual water level measurement, date, time and whether the well is being pumped.
2. Retrieve pressure transducer to the surface (if not attached to a communication cable).
3. Connect the pressure transducer, using the appropriate cable, to the field laptop.
4. Record the following information on the data sheet: Download start time (DL), Logger Time (LT - difference between pressure transducer time and computer time), Restart Time (RT - if the pressure transducer was stopped and restarted), Serial number (S#), Battery level (Batt - % of battery left or if batteries were replaced) and U-bolt and crimp conditions (Ubolts).
5. Follow manufacturer's protocol for downloading, saving and exporting data from the pressure transducer. Data should be saved in the proprietary format and in comma separated value format (.csv). File names should be in the following format: GW_xx_Data start date_Data end date_data collector's initials (For example: GW_129_3-3-11_7-6-11_sp - This file is for well GW_129 and the data in the file is from March 3rd through July 6th and was collected by Steven Patten).
6. Visually check the graphed data to ensure there are not any major issues that should be addressed. Raw data visual checks may be able to determine if the transducer came out of the water, the cable slipped/shifted or other issues that can be resolved through site

maintenance. Potential fixes could include readjusting/lengthening cable length or tighten U-bolts.

7. Note when the pressure transducer will run out of memory so a future visit will occur before that time.
8. Examine the pressure transducer for indications of damage or wear. Make sure access ports for the pressure diaphragm are clear of obstructions so the pressure transducer performs correctly.
9. Slowly lower transducer back into the well taking extra care as it transitions between air and water.

GRAB SAMPLES FOR GROUNDWATER TEMPERATURE AND SPECIFIC CONDUCTIVITY

1. Check the bailer to determine if the string/cable is attached properly and that it is not frayed or damaged and that the bailer is in proper working order.
2. Slowly lower the bailer into well until is below the water level and fills with water. NOTE: Do not put the bailer down access or vent holes. If unsure do not put the bailer down the well. The data sheet indicates which wells should have water grab samples taken – if the temperature and conductivity fields are grayed out do not take a sample. The Well Network database also indicates whether a water grab sample should be collected.
3. Slowly reel the bailer back to the surface taking care to limit it banging/hitting the well casing.
4. Empty the water in the bailer into the graduated cylinder.
5. Put the temperature/EC probe into the water in the graduated cylinder.
6. Turn on the YSI-30 (temperature/EC meter). Ensure that the meter is correctly set to measure temperature in degrees Celsius and specific conductivity in $\mu\text{s}/\text{cm}$.
7. Wait for the reading to stabilize and then record temperature and conductivity values in their appropriate fields on the data sheet. In the summer or winter water temperature may increase or decrease depending upon the ambient air temperature. If the reading does not stabilize in 15-20 seconds, record the mean value over the 15-20 second period.
8. Turn off the YSI-30.
9. Discard water from the graduated cylinder.

SITE MAINTENANCE

1. Check the well casing and surrounding area for any changes that have occurred since the last field visit. If needed document the changes on the data sheet and with photographs.
2. Check TOG measurement approximately once a year to determine if there are any changes.
3. If well has not been surveyed in, survey well using Magellan ProMark 3 GPS system at earliest opportunity.
4. Check cable integrity and other well monitoring components for wear or damage. Replace as needed.
5. Photograph the site during every field visit to visually track changes to the site.

WATER TEMPERATURE MONITORING

This procedure is for monitoring water temperature in rivers and streams using data loggers. The procedure covers equipment needed, pre & post deployment accuracy check, field accuracy check (site visits), deployment, and recovery.

Note: this procedure is modified from the following references:

Water Quality Monitoring – Technical Guide Book, 2001. Oregon Watershed Enhancement Board.

ODEQ, 2009. Water Monitoring and Assessment Mode of Operations Manual. Watersheds Quality Monitoring Field Sampling Standard Operating Procedure – Laboratory and Environmental Assessment Division. Version 3.2

EQUIPMENT

- Data Logger (Vemco, Tidbit, etc)
- Laptop/Computer
- Computer interface cable for Data Logger
- NIST-traceable thermometer
- 1 medium sized cooler
- Ice
- Temperature Accuracy Check form (see below)
- 1 ½” PVC Pipe (to reduce temperature variations due to solar radiation)
- 1/16” aviation cable
- Wire cutters
- Cable crimps
- Pliers or other device to secure crimps and cut the cable
- Forestry Flagging/Surveyors Tape
- GPS unit
- Camera
- Waders
- Field Notebook
- First Aid Kit

PRE & POST DEPLOYMENT ACCURACY CHECK

1. For 20°C calibration test, pour room temperature water into the cooler. Adjust temperature in the cooler with ice, cold water or hot water to the desired 20°C. If ice is used make sure it is completely melted. Close lid.
2. Insert the NIST thermometer probe into the cooler. Pull it through enough so that when the lid is closed, the probe will be suspended midway (or slightly lower) in the water bath.
3. Use the computer and manufacturer’s software to start the temperature data loggers and set them to record data every 1-minute.
4. Place temperature data loggers directly into the water bath.
5. Allow water bath to stabilize (for 15-30 minutes) before recording NIST thermometer temperatures. After stabilization, record temperatures from the NIST thermometer every minute for ten minutes. More readings may be necessary if there is suspicion the water bath temperature changed or was not stabilized.

6. Download data from the temperature data loggers and audit thermometer results with time of record on an audit form. Water temperatures should not vary more than $\pm 0.5^{\circ}\text{C}$ between the NIST thermometer and the data logger's temperature. Units not passing this accuracy test should not be used.
7. Repeat accuracy test for cold water bath at 5°C .

FIELD ACCURACY CHECKS (SITE VISITS)

During a typical season of water temperature monitoring (June-November), two field accuracy checks will be conducted using the following procedure:

1. Determine if the data logger is still adequately placed in the river (see deployment procedure for details) to record water temperatures.
2. Place field thermometer (NIST thermometer) in the water directly next to the temperature data logger. (Note: if a NIST thermometer is not available use a thermometer with an accuracy of $\pm 0.5^{\circ}\text{C}$ and a resolution of $\pm 0.2^{\circ}\text{C}$)
3. Allow field thermometer to stabilize and then record the temperature reading.
4. After the temperature data loggers have been retrieved and data download, compare the field thermometer's reading to that from the temperature data logger. Data accuracy should be $\pm 0.5^{\circ}\text{C}$.

DEPLOYMENT

1. Start temperature data logger either prior to going to the field or in the field with a laptop. Data loggers should be set to record data every thirty minutes. Data loggers should be set to start collecting data either at the hour or half hour (e.g. 12:00 or 12:30).
2. Secure data logger inside of the 1 ½" PVC pipe using the aviation cable ensuring that the entire length of the logger is covered by the PVC.
3. Secure data logger at the site using the aviation cable. Often the cable can be secured to trees, logs, large rocks or other stable structures. Make sure that the logger is in a well-mixed portion of the river to ensure accurate readings. Also, place the data logger to ensure that it will stay submerged in the water as river flows drop.
4. Record in the fieldbook the time of deployment and when the data logger will run out of memory for logging data. Record site name and data logger serial number. Check stream temperature as an additional accuracy check.
5. Record site GPS coordinates using a GPS unit.
6. Take pictures of site for future reference and recovery.
7. Write a short description and create a sketch of the site including approximate distances from structures (bridges, log jams, etc.).

RECOVERY

1. Locate Temperature data logger and check stream temperature with a field thermometer.
2. Record time of data logger recovery and note any site conditions that may have affected data accuracy or reliability. Cut the cable to free the data logger and return to the office and download the data. Data loggers should be stopped after data download to prevent unnecessary battery use.

SCOUR CHAINS AND BED STABILITY

This procedure is for monitoring bed scour and fill to look at river bed stability and river bed conditions. The procedure covers the construction, installation and monitoring of scour chains (including cross-sectional surveys) and pebble counts.

Note: Scour chain procedures were based upon the following sources:

Lisle and Eads. 1991 Methods to measure sedimentation of spawning gravels. Res. Note PSW-411. Berkley, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture; 7 p.

Nawa and Frissell. 1993. Measuring Scour and Fill of Gravel Streambeds with Scour Chains and Sliding-Bead Monitors. North American Journal of Fisheries Management. 13: 634-639.;

Leopold, Wolman and Miller. 1964. Fluvial Process in Geomorphology. Freeman, San Francisco.

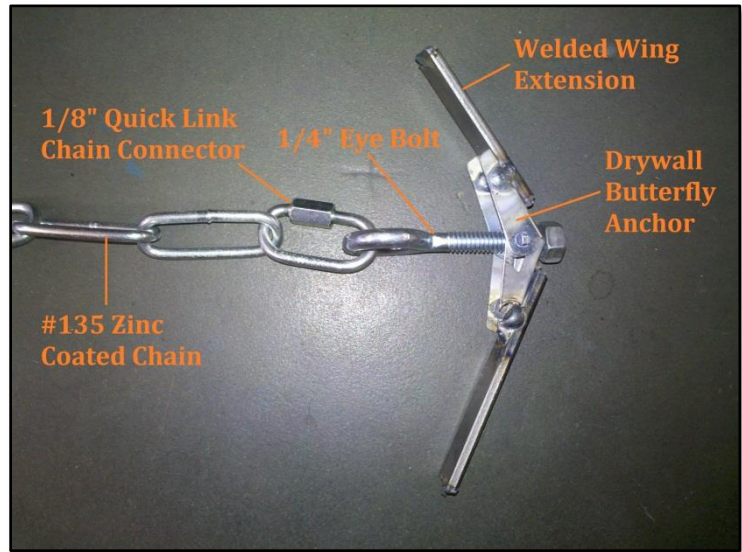
Pebble count procedures where based upon Wolman, M.G. 1954. A Method of Sampling Coarse River-Bed Material. Transactions of the American Geophysical Union. 35(6):951-956.

EQUIPMENT

- Scour Chains
 - 2.5-3.0 feet of #135 Zinc Coated Chain (links are ~1.5")
 - Chain Quick-Link Connector (1/8")
 - Anchor (Modified Drywall Butterfly Anchor)
 - Eye bolts
- 100' or 200' tape
- Waders (hip or chest)
- Laser Level with Stadia rod
- Flow meter
- Shovel
- Hand Trowel
- Fence Post Driver
- 1 ½" galvanized steel pipe
- 1" metal rod
- Rubber bands
- Fishing line
- Forestry Flagging Tape
- Pipe Wrenches
- Data Sheets or Field Notebooks
- Pen or Pencil
- First Aid Kit

SCOUR CHAIN CONSTRUCTION

Scour chains are constructed by WWBWC staff to help reduce costs. Scour chain anchors are created by modifying drywall butterfly anchors (1/4" bolt/screw). Extensions (1/2" flat metal) are welded to each wing of the anchor creating ~2-3 inch wing on each side. Eye bolts are then welded on to the anchor to prevent them from detaching. A ~2.5-3.0 foot section of #135 chain is attached to the eye bolt with a quick link chain connector. See figures below.

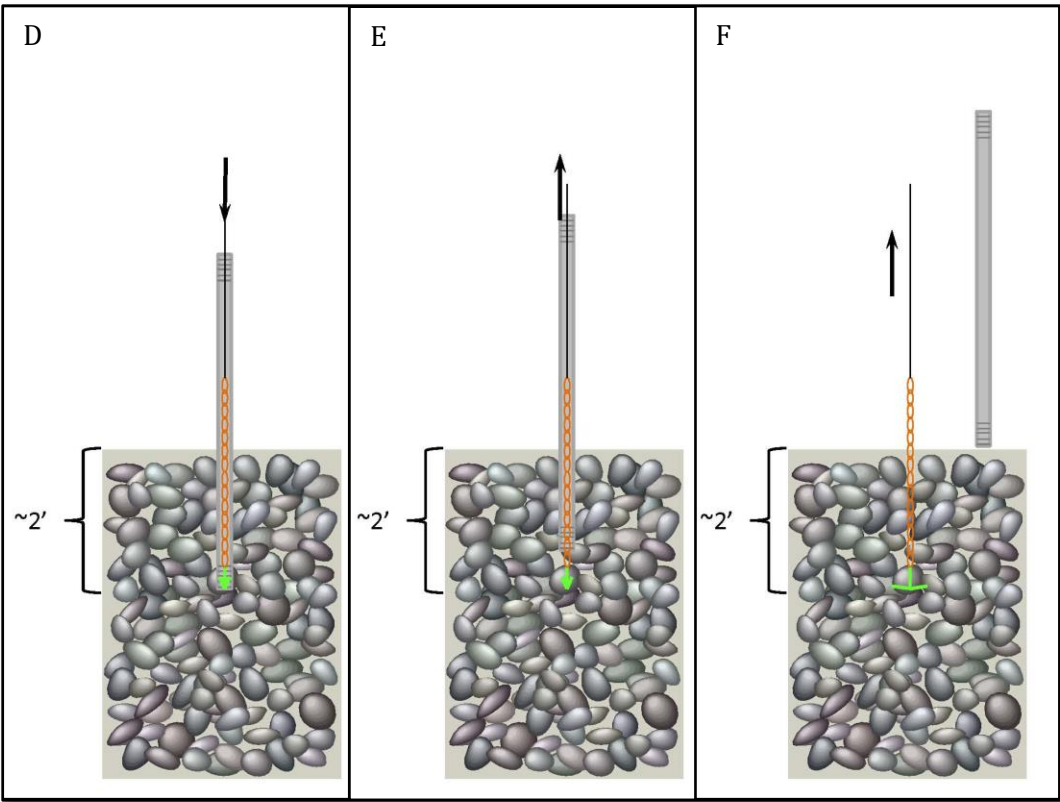
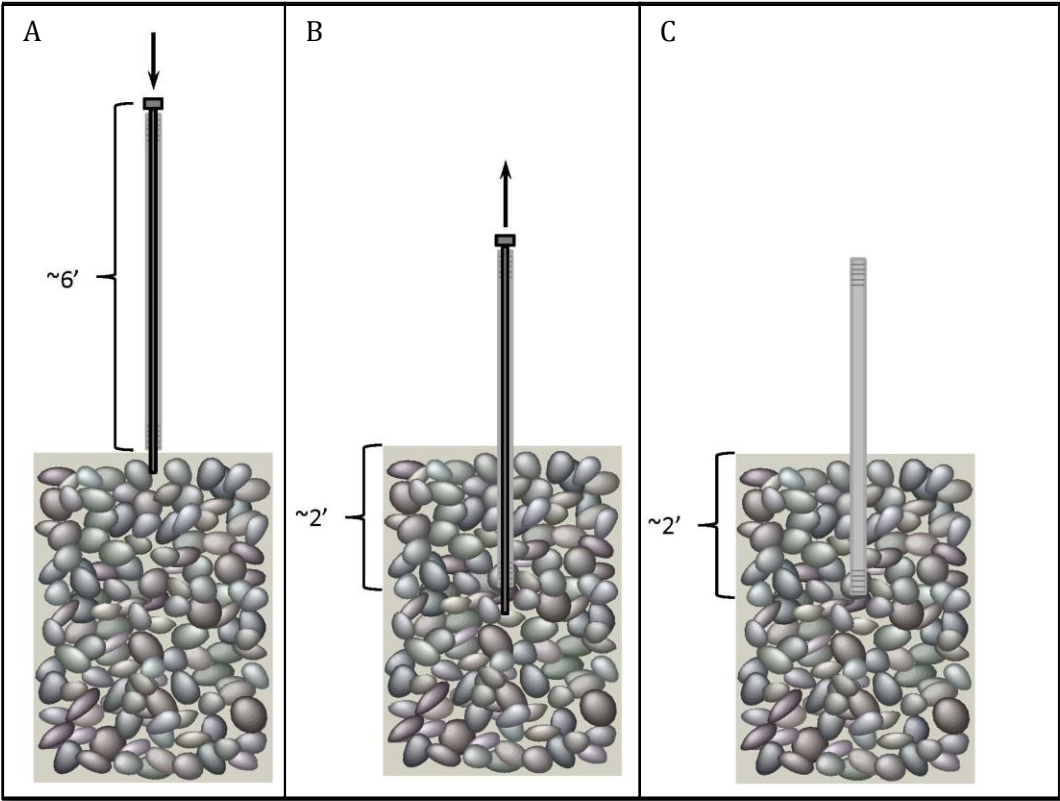


SCOUR CHAIN INSTALLATION

Scour chains are installed perpendicular to the direction of flow in the river (similar to a discharge measurement). 4-5 chains are typically installed across the width of the river, but this will increase or decrease depending upon the width of the river. Chains are installed approximately 10-12 feet apart across the channel.

1. Determine location for scour chain installation.
2. Establish a control point on both banks. Make sure the location of each control point is as stable as possible and will not be damaged by higher flows. Preferably the control points should be located above the bank full width to avoid frequent flood damage. Drive a piece of ½" rebar into the ground as far as possible. Place a blue WWBWC control point marker on the end of the rebar and flag it with forestry flagging.
3. Run a tape across the width of the channel between the control points on either bank. You can tie off the tape to the control points or to rocks/trees on the shore. If not tying off to the control points make sure the tape goes directly over each of the control points.
4. Determine the width of the river – typically this will be the bank full width as to capture river scour/fill influences during frequent high flow events.
5. Decide how many scour chains to install based upon width. Chains are installed ~10 feet apart. So if the river is 40 feet across plan on installing 4 chains.
6. Divide the river into approximately even sections and make note where each scour chain should be installed. The exact location of each chain will vary side to side by a small amount based upon sediments present at each location (see 7 below).
7. Drive pipe and metal rod into the river bed substrate using the fence post driver to a depth of ~2 feet. Because river bed sediments in the Walla Walla Basin are often gravels and cobbles (and sometime boulders) you may have to try multiple locations to find a successful spot where the pipe can be driven in ~2 feet (Figure A).
8. Remove metal rod from inside the pipe. Be sure to not remove the pipe. You may have to turn the metal rod using pipe wrenches to loosen it before it can be removed. (Figure B & C)

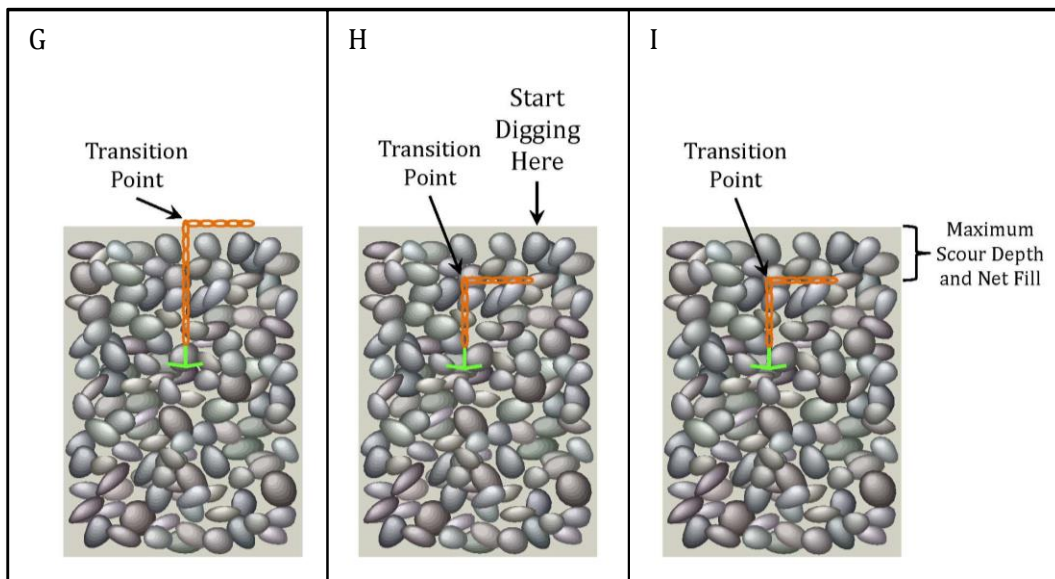
9. Prepare a scour chain anchor with ~2.5-3.0 feet of chain attached to it with the 1/8" quick link connector. Attach fishing line to the end of the chain to allow it to be lowered into the pipe. Count the number of links and record on the datasheet or in the field notebook.
10. Use a small rubber band to hold the two wings of the anchor device together so it will slide down into the pipe. When the anchor wings are held together the anchor is considered "closed" and when the rubber band is removed to allow the wings to spring apart the anchor is considered "open." Tie fishing line on to the rubber band so it can be pulled off and allow the wings to spread and anchor the device.
11. Slowly slide the "closed" anchor down the inside of the pipe (Figure D).
12. Once the anchor is at the bottom of the pipe (make sure by slowly pulling up and dropping the anchor) gently lift the pipe 6-8" upwards. This should allow the "closed" anchor to be exposed to the sediments (Figure E).
13. Pull on the fishing line attached to the rubber band to release the wings and "open" the anchor.
14. Remove the pipe completely making sure to keep holding the fishing line attached to the chain to prevent the chain from falling into the hole.
15. Gently pull up on the chain/fishing line to set the anchor in the sediments. Once the anchor is set you can pull harder to verify it is solidly anchored (Figure F).
16. Count the number of links that are exposed above the river bed and lay chain downstream. Record number of links on the data sheet or in the field notebook (Figure G).
17. Take note of the distance from both the left and right bank control points to the scour chain.
18. Repeat process for the other scour chains to be installed in the set.
19. After all scour chains have been installed conduct a perpendicular channel survey (see below for procedure). Scour chain location accuracy is extremely important for finding each scour chain in the future especially since some chains will be covered by sediments.
20. Also conduct a river discharge measurement at or near the site (see above for procedure).



SCOUR CHAINS SCOUR/FILL MONITORING

This procedure will provide information on how to locate and measure scour chain data. Data collected at each chain will provide information on maximum scour since the last monitoring and net fill since last monitoring.

1. Locate both left and right bank control points.
2. Using a 100' or 200' tape, measure from the control points to find the scour chain closest to the right bank (you can also start near the left bank if that is more convenient). Note – refer back to installation notes on datasheet or the field notebook to determine the location for each scour chain.
3. Once you have determined the location for the first scour chain, look to see if the chain is exposed. If the chain is not exposed on the river bed it may be buried under the sediments. Carefully and slowly dig just downstream of where the chain was installed. Dig until you find the chain and then slowly work upstream until the chain changes from lying horizontally to vertical. This transition point is the maximum scour depth. (Figure G & H)
4. Measure the vertical distance between the transition point and the river bed surface (see figures below). (Figure I)
5. Count the number of links from the transition point to the end of the chain. This can be used to verify the vertical measurement taken in step 4.
6. Hold scour chain vertically while excavated sediments are replaced.
7. Count the number of links that are exposed above the transition point (on the river bed surface).
8. Place the exposed chain on the river bed surface facing downstream.
9. Repeat process for other scour chains in the set.



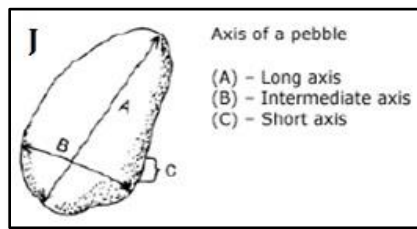
CHANNEL SURVEY

This procedure provides information for performing a channel survey for scour/fill within a scour chain set. All changes are relative to the control point(s) established for the scour chain set (see above).

1. Place the laser level in a location where it will be visible when measuring at each scour chain in the set and visible at each control point.
2. Adjust laser as close to level as possible.
3. Turn on laser and allow it to auto level. Once the laser has leveled it should start spinning. If it does not the laser may be tilted too much and cannot level itself – turn the laser off, readjust it and turn it back on to auto level.
4. Stretch a 100' or 200' tape across the channel. Make sure the tape goes directly over each of the control points.
5. Take the stadia rod with the laser sensor attached to the control point on the right bank (you can start on the left bank if that is more convenient). Place the stadia rod on the control point and read the height with the laser sensor. Record laser height value, depth of water and the tape distance on the datasheet or field notebook.
6. Continue measuring height and tape distance values as you move across the channel until you reach the opposite control point. Make sure to capture changes in the river bed as well as important locations such as edge of water, gravel bars, thalweg and each scour chain.
7. Return to the first control point and measure the height and tape distance a second time to verify that the tape or the laser has not moved.

PEBBLE COUNTS

1. Select reach of the river for sediment particle size distribution (typically between two closely spaced scour chains sets).
2. Start transect randomly between the scour chain sets by throwing a rock along the stream edge. Take a step into the river, perpendicular to the flow, from that point and pick up the first pebble you touch with your index finger next to your big toe. Avert your eyes to prevent as much bias as possible when pick up pebbles.
3. Measure the intermediate axis (see Figure J below) by determining the smallest hole the pebble will fit through using the gravelometer. For embedded pebbles or those too large to pick up, use the side of the gravelometer to measure the shortest visible axis
4. Record info on the datasheet.
5. Take another step across the river and repeat the steps of picking and measuring pebbles until you reach the opposite bank. Once you reach the opposite bank, throw another rock and start back towards the first bank repeating the steps above.
6. Continue collecting pebble data until you have recorded 100 measurements.



PEBBLE COUNT DATA SHEETS

Data Computation							
Inches	PARTICLE	Millimeters	Particle Count	Total #	Item %	% Cum	
< 0.08	Sand	< 2	Silt/Clay/Sand				
0.08—0.16	Very Fine	2—4	Gravels				
0.16—0.22	Fine	4—5.7					
0.22—0.31	Fine	5.7—8					
0.31—0.44	Medium	8—11.3					
0.44—0.63	Medium	11.3—16					
0.63—0.89	Coarse	16—22.6					
0.89—1.26	Coarse	22.6—32					
1.26—1.77	Very Coarse	32—45					
1.77—2.5	Very Coarse	45—64					
2.5—3.5	Small	64—90		Cobbles			
3.5—5.0	Small	90—128					
5.0—7.1	Large	128—180					
7.1—10.1	Large	180—256		Boulders			
10.1—14.3	Small	256—362					
14.3—20	Small	362—512					
20—40	Medium	512—1024					
40—80	Large	1024—2048					
80—160	Very Large	2048—4096	Bedrock				
	Bedrock			TOTALS			

Walla Walla Basin Watershed Council Pebble Count Datasheet									
Date & Time	Site Name	GPS Coord	River/Stream	Largest Size b-axis will fit through	Data #	Largest Size b-axis will fit through	Data #	Largest Size b-axis will fit through	Data #
					26		51		76
					27		52		77
					28		53		78
					29		54		79
					30		55		80
					31		56		81
					32		57		82
					33		58		83
					34		59		84
					35		60		85
					36		61		86
					37		62		87
					38		63		88
					39		64		89
					40		65		90
					41		66		91
					42		67		92
					43		68		93
					44		69		94
					45		70		95
					46		71		96
					47		72		97
					48		73		98
					49		74		99
					50		75		100

NOTES:

SEEPAGE ANALYSIS

Seepage analysis protocols are discussed in the Seepage Report (found on the WWBWC website – www.wwbwc.org). The WWBWC performs seepage analyzes on multiple stream systems within the Walla Walla Basin to determine the water budget for each system and to determine gain/loss reaches. The primary measurement procedure used during a seepage analysis is a stream discharge measurement. The procedure described above for stream discharge measurements is used during seepage measurements.

WATER QUALITY MONITORING (FIELD MEASUREMENTS)

ODEQ, 2009. Water Monitoring and Assessment Mode of Operations Manual. Watersheds Quality Monitoring Field Sampling Standard Operating Procedure – Laboratory and Environmental Assessment Division. Version 3.2

WATER TEMPERATURE AND CONDUCTIVITY (YSI-30)

1. Check sensor calibration to NIST thermometer and standard conductivity solution (typically done in the office before field visit). Recalibrate if necessary.
2. Turn the YSI-30 unit on.
3. Make sure units are set to °C for temperature and to µs for conductivity. The °C should blink indicating the YSI-30 is in temperature compensating mode.
4. Gently place the sensor in the water. Make sure that the sensors are completely covered by water. Gently agitate the probe to ensure air bubbles are dislodged.
5. Allow the values to stabilize and then record on the data sheet or field notebook.
6. Replace the sensor in the holder and turn the unit off.

DISSOLVED OXYGEN

1. Connect the dissolved oxygen sensor to the meter.
2. Turn on the Thermo Scientific Orion 5-Star meter.
3. Check sensor calibration (typically done in the office before field visit). Recalibrate if necessary.
4. Make sure units are set correctly for dissolved oxygen (mg/L).
5. Gently place the sensor in the water. Make sure that the sensor is completely covered by the water.
6. Allow the value to stabilize and then record on the data sheet or field notebook.
7. Replace the sensor in the holder and turn the unit off.

PH

1. Connect the pH sensor to the meter.
2. Turn on the Thermo Scientific Orion 5-Star meter.
3. Check sensor calibration using a standard pH solution (typically done in the office before field visit). Recalibrate if necessary.
4. Gently place the sensor in the water. Make sure that the sensor is completely covered by the water.
5. Allow the value to stabilize and then record on the data sheet or field notebook.
6. Replace the sensor in the holder and turn the unit off.

CONDUCTIVITY

1. Connect the conductivity sensor to the meter.
2. Turn on the Thermo Scientific Orion 5-Star meter.
3. Check sensor calibration using a standard conductivity solution (typically done in the office before field visit). Recalibrate if necessary.
4. Gently place the sensor in the water. Make sure that the sensor is completely covered by the water.
5. Allow the value to stabilize and then record on the data sheet or field notebook.
6. Replace the sensor in the holder and turn the unit off.

TURBIDITY

1. Turn on the Hach 2100P Turbidimeter.
2. Check sensor calibration using a standard turbidity solution (typically done in the office before field visit). Recalibrate if necessary.
3. Collect water sample in glass vial and wipe clean. Insert the vial into the turbidimeter, cover and read the sample.
4. Record the value on the data sheet or field notebook.
5. Empty the vial and turn on the meter.

QUALITY CONTROL

QUALITY CONTROL FOR LABORATORY MEASUREMENTS

Field duplicates and blanks will be used to ensure quality control for lab samples.

- Field blanks: Once per sampling even a blank sample with known concentrations of the monitored constituent will be included in the samples sent to the analytical laboratory. The field blank will be purchased from a scientific supply vender.
- Field duplicates: Once per sampling event one additional sample will be collected from one of the sites.
- Analytical laboratory will also have internal QA/QC procedures to ensure data validation.

QUALITY CONTROL FOR FIELD MEASUREMENTS

FIELD RECORDS

Field notes and other pertinent data associated with the monitoring program will be maintained at the WWBWC office and archived for reference. Completeness of data sheets and chain of custody forms and verifying holding times for samples will also be used for data validation.

SURFACE WATER MONITORING

Surface water monitoring will use the following quality control measures:

- Measure a duplicate discharge measurement on approximately 5% of field visits.
- Field equipment will be maintained and calibrated to ensure proper operation and accuracy.
- Comparison of equipment to other equipment or rated structures (such as flumes, etc).
- Primary and secondary stage height values are referenced to benchmarks to ensure no elevation changes.
- Comparison of primary, secondary and laser level stage height values.

GROUNDWATER MONITORING

Groundwater monitoring will use the following quality control measures:

- Yearly comparison of E-tape measurements against other tapes.
- Duplicate groundwater level measurements during every field visit.
- If available, comparison of manual measurements to other agencies' data.
- Duplicate water sample for groundwater temperature and conductivity at approximately 5% of the sites.

WATER TEMPERATURE MONITORING

Water temperature monitoring will use the following quality control measures:

- Pre and Post data logger accuracy testing.
- Manual field checks during deployment.

WATER QUALITY MONITORING

Water quality monitoring will use the following quality control measures:

- Field equipment will be maintained and calibrated to ensure proper operation and accuracy.
- Duplicate samples will be taken at approximately 5% of the sites.
- Comparison of field and laboratory values.

DATA MANAGEMENT PROCEDURES

FIELD NOTES

IN THE FIELD

Data should be recorded on WWBWC datasheets (if available) printed on waterproof paper (Rite-in-the-Rain). Notes should be clearly and legibly written so data and remarks are easily read and interpreted. If a mistake is made, draw a single line through the bad data and record the data next to it. Do not erase or completely mark out mistakes. All datasheets should be completed as fully as possible during data collection.

AT THE OFFICE

Upon returning to the office scan all datasheets and place a scanned copy on the WWBWC server in the appropriate location and incorporated into the AQUARIUS database. After scanning the datasheets, use them to input the data into the appropriate software (AQUARIUS, Excel, etc.). After all data from the datasheet has been incorporated into the software, place the datasheet in the project's 3-ring binder.

DATA LOGGERS

IN THE FIELD

Data loggers should be downloaded during every site visit if practical. Data from the data logger should be downloaded and saved to the field laptop before the data logger file(s) is deleted or restarted to ensure data are not lost. After restarting a data logger take note of when the logger's memory will be full so a site visit can be scheduled before that date. Files should be saved in the following format: type of file (gh = gauge height, mmt = measurement and temp = temperature)_site number_data start date_data end date_downloader's initials. For a surface water example the file format for site S105 with stage data from March 1st, 2012 through July 15th, 2012 and downloaded by Steven Patten would look like: gh_S105_3-1-12_7-15-12_sp. For a groundwater example the file format for site GW_115 with water level (stage) data from May 1st, 2012 through September 29th, 2012 and downloaded by Steven Patten would look like: gh_GW115_5-1-12_9-29-12_sp.

AT THE OFFICE

All raw data logger files collected during a day of field work should be transferred to the WWBWC server before going back out in the field to ensure data are not lost due to laptop failure or damage.

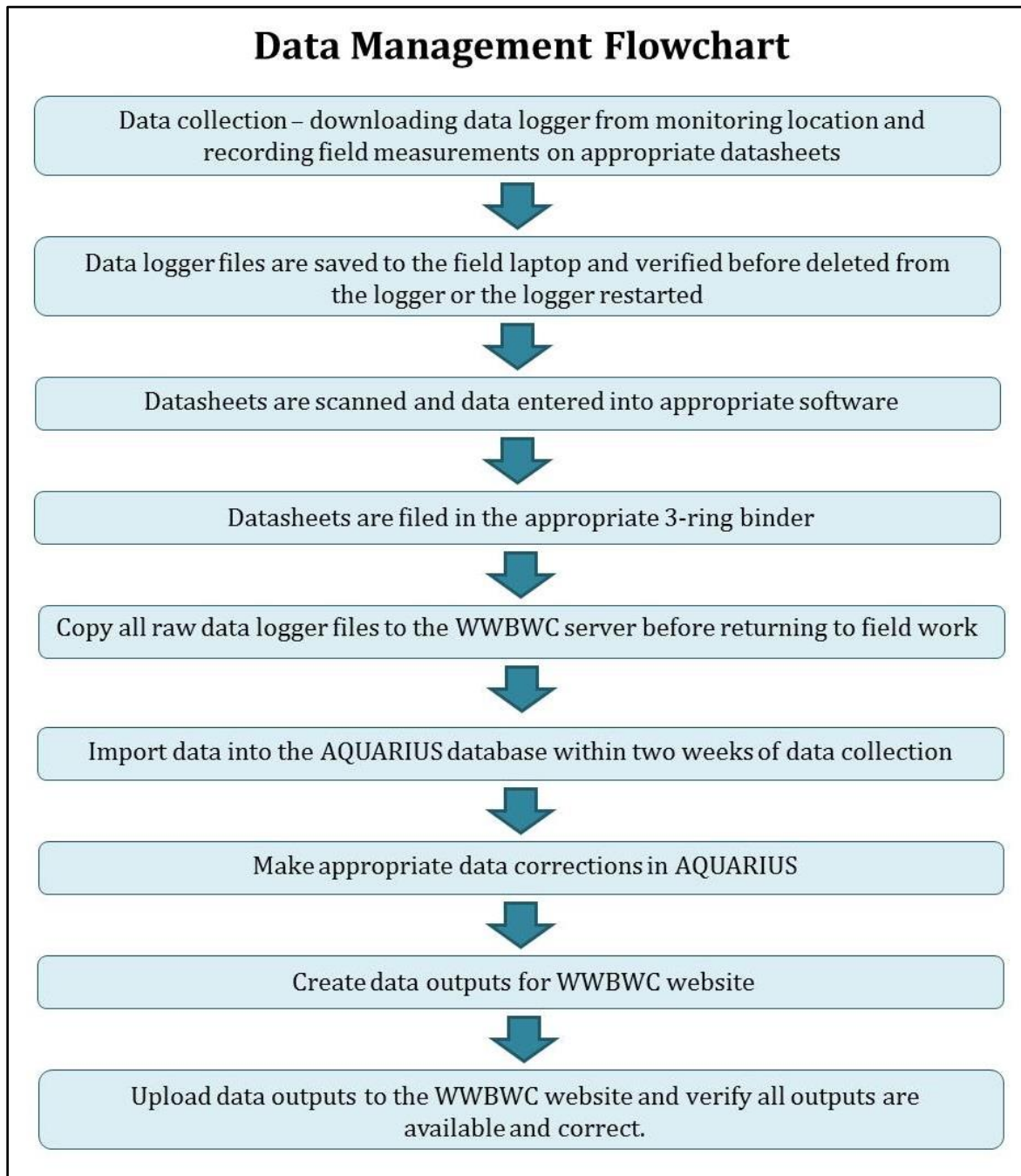
DATA INPUT (AQUARIUS)

Data should be incorporated into the AQUARIUS database within two weeks of data collection. Both manually collected data and data logger files should be imported into the AQUARIUS database. After data have been imported, data should be adjusted to account for stage shifts or cable length corrections. For surface monitoring locations, the rating curve should be checked to ensure the new discharge measurement does not indicate a change in the stream channel. If needed, adjust the rating curve with the new discharge measurement. After data are imported and corrected, outputs should be created including a hydrograph (or similar data graph), hourly data set for the entire range of data, and daily average data set for the entire range of data. All data in AQUARIUS should be rated as "unverified" until the end of the water year (Sept 30th) and a review of the entire water year's data can be completed.

DATA ACCESS (WWBWC WEBSITE)

AQUARIUS data outputs should be uploaded to the WWBWC's website (typically accomplished through Fling software). Verify that all data outputs have been successfully uploaded to the website

for public and agency access. Data and information for each surface monitoring location includes: current hydrograph, hourly data set, daily average data set, rating curve, metadata and site photograph. Data and information for each groundwater monitoring location includes: current hydrograph, hourly data set, daily average data set, metadata and manual water level measurements.



DATA SECURITY AND BACKUPS

All data incorporated into the AQUARIUS database or located on the WWBWC server has redundancy backup (i.e. stored on multiple hard drives through the use of RAID). The WWBWC server and AQUARIUS database are backed-up monthly and stored at the WWBWC office and off-site for additional security.

DATA QUALITY ASSESSMENT

INITIAL POSTING OF DATA/NEAR-REAL TIME DATA

All data posted to the WWBWC website should be considered provisional unless otherwise stated. Near-real time data from surface gauges and other sites goes through an automated process without constant human oversight. Data discrepancies will be fixed as soon as possible. Until data are reviewed and published (see below) data quality will remain “unverified” or “provisional” and are subject to change. Data may be given an initial estimated data quality (estimated excellent, good, fair or poor) however this quality rating should be considered provisional and subject to change during review.

DATA QUALITY REVIEW

After each water year (typically in October), “unverified” or “provisional” data will be reviewed by WWBWC staff and any necessary changes will be made. After any revisions, data quality will be changed to “published” and a quality grade will be assigned. The published data will be available at the WWBWC’s website

DATA QUALITY RATING

SURFACE WATER

Surface water data will be given a quality rating based upon the following factors:

- Rating curve distribution and number of discharge measurements for rating curve development.
- Accuracy of discharge measurements to calculated discharge flow from stage data.
- Site maintenance issues including sediment build-up, vegetation growth, channel migration and other localized influences.
- Accuracy of individual discharge measurements including variation in duplicate discharge measurements.
- Gauge location (e.g. concrete structure, silty channel, or stable stream bed).
- Site manipulation (especially in irrigation canals or ditches).
- Data set completeness.

All stage height measurements will include a margin of error.

GROUNDWATER

Groundwater data will be given a quality rating based upon the following factors:

- Number of manual water level measurements.
- Accuracy of manual water level measurements to cable-length adjusted transducer data.
- Accuracy of manual water level measurements (e.g. cascading well, pumping well, etc.).
- Data set completeness

All manual water level measurements will include a margin of error.

TEMPERATURE

Temperature data will be given a quality rating based upon the following factors:

- Accuracy of data logger's Pre and Post deployment accuracy checks.
- Accuracy of field accuracy checks with thermometer (NIST or YSI-30).
- Data set completeness.

**APPENDIX B – STANDARD OPERATING PROCEDURES FOR SAMPLING OF
PESTICIDES IN SURFACE WATERS – EAP 003. ENVIRONMENTAL
ASSESSMENT PROGRAM, WASHINGTON STATE DEPARTMENT OF ECOLOGY.**

Washington State Department of Ecology

Environmental Assessment Program

Standard Operating Procedures for Sampling of Pesticides in Surface Waters

Version 2.1

Revised: Paul D. Anderson
Date: December 19, 2011

Reviewer : Debby Sargeant
Date: December 21, 2011

Author - Paul Anderson
Date - August 18, 2006

QA Approval William R. Kammin, Ecology Quality Assurance Officer
Date - February 8, 2012

EAP003

APPROVED: February 8, 2012

Signatures on File

Please note that the Washington State Department of Ecology's Standard Operating Procedures (SOPs) are adapted from published methods, or developed by in-house technical and administrative experts. Their primary purpose is for internal Ecology use, although sampling and administrative SOPs may have a wider utility. Our SOPs do not supplant official published methods. Distribution of these SOPs does not constitute an endorsement of a particular procedure or method.

Any reference to specific equipment, manufacturer, or supplies is for descriptive purposes only and does not constitute an endorsement of a particular product or service by the author or by the Department of Ecology.

Although Ecology follows the SOP in most instances, there may be instances in which Ecology uses an alternative methodology, procedure, or process.

SOP Revision History

Revision Date	Rev number	Summary of changes	Sections	Reviser(s)
4/21/2010		Updated staff requirements, Updated cleaning procedures for US DH 79 and 81 nozzles and caps Updated bottle size/type Updated (added to) replicate MS/MSD sample collect method.	4.1, 4.11.1, 6.3.5 5.2; 6.5.2; 6.5.5 8.1.1	Debby Sargeant
12/19/2011	2.1	Updated definitions Updated carbamate bottle and preserv. Updated use of DH-81 Changed DH-76 sampler to DH-95 Changed procedure for DH-76 to DH- 95 Changed reference for DH-76 to DH- 95	3.9 5.3; 6.5.2; 6.5.5 5.9; 6.4.2 5.10- 5.10.7; 6.4.3 6.7-6.7.9 10.5	Paul D. Anderson

Environmental Assessment Program

Standard Operating Procedure for Sampling of Pesticides in Surface Waters

1.0 Purpose and Scope

- 1.1 This document is the Environmental Assessment Program (EAP) Standard Operating Procedure (SOP) for collecting samples to monitor pesticides in surface waters.
- 1.2 Monitoring pesticides in surface waters can and often does cover a wide range of objectives. Some studies are designed to look for a few specific chemicals and others are designed to look for a wide range of compounds. The term pesticide is used as a general term to group together many different use classes (herbicides, insecticides, and fungicides) of chemicals. For hydrophobic compounds a relationship between Total Suspended Solids (TSS) and pesticides may exist. This leads many monitoring projects to collect TSS samples alongside pesticide samples.

2.0 Applicability

- 2.1 This procedure is being used in the Washington State Department of Ecology Surface Water Pesticide Sampling Project. It is recommended that this procedure be followed by the Environmental Assessment Program when sampling surface waters to determine the presence and concentration of pesticides.

3.0 Definitions

- 3.1 Certificate of Analysis: Certificate provided by manufacturer ensuring bottles have been cleaned to EPA specifications.
- 3.2 EPA – Environmental Protection Agency
- 3.3 FISP – Federal Interagency Sedimentation Project
- 3.4 MSDS – Material Safety Data Sheet: These data sheets provide important information about a chemical's properties along with health and safety data. Other information about the chemical manufacturer, fire-fighting procedures, protective equipment requirements, and spill clean up procedures are also provided.
- 3.5 MS/MSD – Matrix Spike/Matrix Spike Duplicate
- 3.6 MEL – Manchester Environmental Laboratory: Ecology laboratory that analyzes all pesticide samples.
- 3.7 TSS – Total Suspended Solids: A measure of the total amount of suspended material found in the water column.
- 3.8 US DH-81: depth integrating sampler designed by the USGS for use in wadeable rivers and streams between 1 and 4 feet.
- 3.9 US DH-95: depth integrating hand line sampler designed by the USGS for use in waters that are unsafe to wade but are not deeper than 15 feet and velocities not greater than 7.4 ft/sec.
- 3.10 US D-77: Teflon nozzle and cap for the US DH-81

3.11 USGS – United States Geological Survey

4.0 Personnel Qualifications/Responsibilities

4.1 Personnel collecting pesticide samples in surface waters should have prior experience conducting water sampling and should have a job classification equivalent to an Environmental Specialist 1 or higher.

5.0 Equipment, Reagents, and Supplies

5.1 1-liter manufacturer cleaned clear glass jars that are organic free with Teflon lid liners and a Certificate of Analysis

5.2 1000 milliliter manufacture cleaned amber glass jars that are organic free with Teflon lid liners and a Certificate of Analysis

5.3 20-milliliter manufacturer cleaned clear amber volatile organic analysis bottles that are organic free with Teflon lid liners and a Certificate of Analysis (preserved by MEL with 0.05 milliliter of acetic acid)

5.4 Coolers and wet ice

5.5 Talc-free Nitrile gloves

5.6 Sample tags

5.7 Chain of custody seals

5.8 TSS bottle (only necessary for studies collecting TSS samples)

5.9 US DH-81 (used in waters between 1 and 4 feet but still wadeable and that are not well mixed and have upstream water inputs) (Figure 1)

5.9.1 Wading Rod Handle and extension

5.9.2 Teflon US D-77 Caps pre-cleaned¹ to EPA specifications (EPA 1990) and wrapped in aluminum foil with dull side in

5.9.3 Teflon US D-77 Nozzles pre-cleaned to EPA specifications (EPA 1990) and wrapped in aluminum foil with dull side in

5.9.4 US DH-81A adapter

5.9.5 1-liter glass bottles that will fit US D-77 nozzle pre-cleaned to EPA specifications (EPA 1990) with opening covered by dull side of aluminum foil

¹ The cleaning procedure for the sampling equipment that needs to be pre-cleaned is provided in Section 6.0.

- 5.10 US DH-95 (used in waters too deep or swift to safely wade but not deeper than 15 feet and velocities not greater than 7.4 ft/sec.) (Figure 2)
- 5.10.1 US DH-95
- 5.10.2 Hanger bar and pin used to attach sampler to rope or cable
- 5.10.3 A length of rope appropriate for the distance to be lowered to and into the water or a bridge crane with the appropriate length of cable
- 5.10.4 1-liter Teflon bottles with lids pre-cleaned to EPA specifications (EPA 1990)
- 5.10.5 Teflon nozzle holder cap pre-cleaned to EPA specifications (EPA 1990) and wrapped in aluminum foil with dull side in
- 5.10.6 Teflon nozzles (1/4" or 5/16") pre-cleaned to EPA specifications (EPA 1990) and wrapped in aluminum foil with dull side in
- 5.10.7 O-Ring retainer or rubber bands to secure the bottle in the sampler
- 5.11 Supplies Needed for Cleaning Sampling Equipment
- 5.11.1 Pesticide grade acetone and hexane – Acetone and hexane are not known to be carcinogenic or teratogenic. The MSDS for acetone can be found at <http://www.vwrsp.com/msds/10/BJ0/BJ010-4.pdf> and for hexane at <http://www.sciencelab.com/msds.php?msdsId=9927187>
- 5.11.2 Aluminum foil
- 5.11.3 Liquinox soap

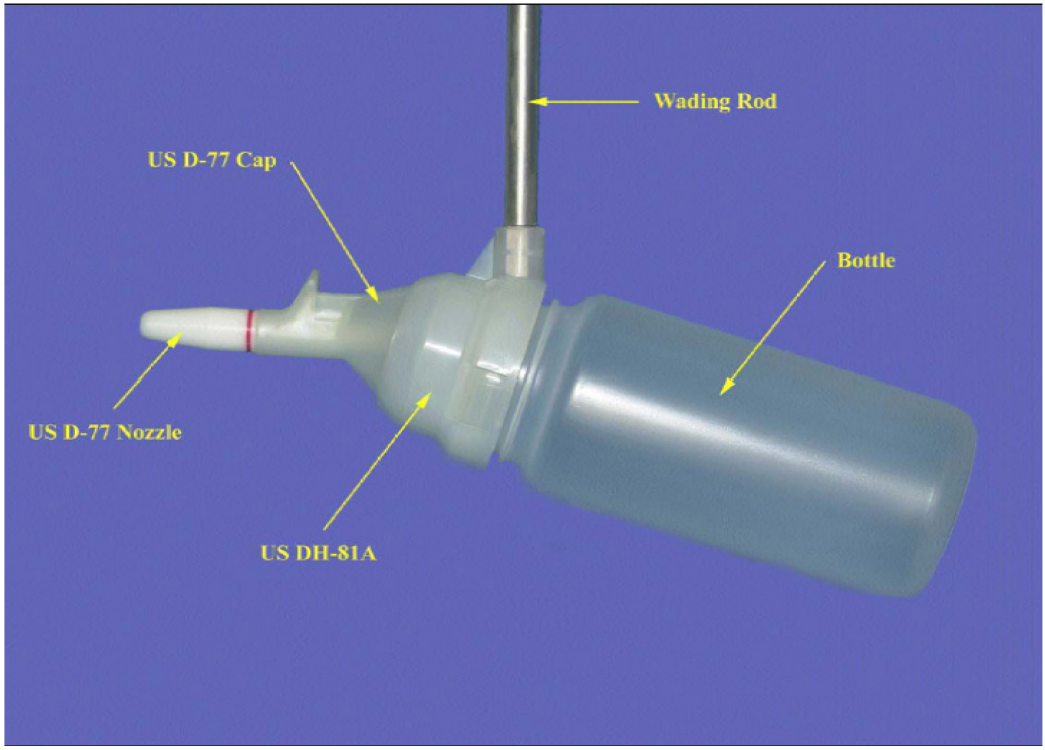


Figure 1. US DH-81 complete assembly.



Figure 2. US DH-95 complete assembly.

6.0 Summary of Procedure

6.1 General Sample Collection Techniques

6.1.1 Samples will be collected at quarter point transects unless the width of the river or stream makes doing so impractical or useless. A quarter point transect consists of collecting water at 3 points on a line perpendicular to the stream. The points are generally near the right and left bank and near the center of the river or stream.

6.1.2 Always collect the sample facing upstream to avoid collecting what is re-suspended by wading. In slow moving waters movement upstream after each transect may be necessary to avoid the plume of re-suspended material.

6.1.3 Always wear Nitrile gloves when sampling. The use of the Nitrile gloves protects the sample from contamination from the hands of the sampler.

6.1.4 Take care not to bias the sample at any one depth of water. Pesticides may be distributed throughout the water column and by taking a sample at one depth the sampler may miss what is present elsewhere. Particular care should be taken to avoid collecting a disproportionate quantity of water or suspended sediment at the surface of the river or stream. Some pesticides may partition to the surface layer or sorb to bedload constituents. Collecting water in a single region may bias the concentration in the sample.

6.1.5 When possible keep the lid on the sample containers between transect points. This will avoid contamination from atmosphere and rain. This is not always possible and should be assessed on a case by case basis.

6.1.6 When possible keep the sample containers out of the sun during sample collection. In addition, use amber bottles for those pesticides susceptible to photolysis.

6.1.7 Fill sample containers to the shoulder. If testing for highly volatile products, sample containers should be filled to the top of container (no headspace). In this instance, volatile products are compounds with a Henry's Law constant greater than or equal to 10^{-3} atm*m³/mole.

6.1.8 Take care not to disturb the substrate with the transfer bottle or collect anything from the substrate.

6.2 Handling of Sampling Equipment and Bottles

6.2.1 No part of any piece of sampling equipment that will come into contact with the sample during collection should be touched without wearing Nitrile gloves.

6.2.2 Never touch the inside of a sample container or Teflon lid liner even if wearing Nitrile gloves.

- 6.3 Pre-Cleaning Procedure for US DH-81 and DH-76 parts and bottles, or other pieces of equipment that will come into contact with the sample water
 - 6.3.1 When cleaning sampling equipment follow all safety procedures and wear all necessary safety equipment as detailed in the Ecology Chemical Hygiene Plan.
 - 6.3.2 Wash with hot tap water and brush with Liquinox detergent.
 - 6.3.3 Rinse with tap water 3 times.
 - 6.3.4 Rinse with deionized water 3 times and let drain.
 - 6.3.5 Rinse with pesticide grade acetone and let dry in fume hood.
 - 6.3.6 Rinse with pesticide grade hexane and let dry in fume hood.
 - 6.3.7 Wrap in aluminum foil with dull side towards sampling equipment.
- 6.4 Types of Sampling
 - 6.4.1 Grab Sampling – Water collection method using a handheld 1 liter jar in waters less than or equal to 1 foot.
 - 6.4.2 US DH-81 Depth Integrated Sampling – Water collection method using a 1 liter jar attached to a nozzle that is raised and lowered in the water column by a metal handle. This method is used in waters greater than 1 foot but less than 4 feet in depth, not well mixed, and have upstream water input.
 - 6.4.3 US DH-95 Depth Integrated Hand Line Sampling – Water collection method using a 1 liter jar placed in the housing of a weighted sampling devices lowered by a rope or cable. The US DH-95 method is used in waters greater than or equal to 4 feet but not greater than 15 feet in depth and with maximum velocities of 7.4 ft/sec.
 - 6.4.4 Automatic Sampling – water collection method where an automated mechanical sampling device is used to collect water over a period of time or a time specified by the user. This is a specialized type of sampling and will not be covered in this procedures manual.
- 6.5 Grab Sampling
 - 6.5.1 The sampler fills out a field sheet with the date, time, samplers, station name, method of collection, sample number, and weather observations. At this time the sampler will also fill out the sample label with all necessary information. This part of the procedure may be done in the office prior to sampling with the exception of the noting sample time and collection method.

- 6.5.2 The sampler will need 2 1000-milliliter amber bottles, 1 20-milliliter amber bottle, 1 1-liter transfer jar and 1 1-liter polypropylene bottle (optional). One of the 1000-milliliter bottles will be used for the herbicide analysis and the other will be used for the remainder of the pesticide analysis except for carbamates. The 20-milliliter bottle will be used for carbamate analysis. The 1-liter polypropylene bottle will be used for TSS.
- 6.5.3 The sampler will then take all of the containers and sample equipment to the sample site and put on Nitrile gloves.
- 6.5.4 The sampler removes the lid from the transfer jar.
- 6.5.5 The sampler then uses the 1 liter transfer jar to collect water at each point of the transect. The 1000 milliliter amber bottles will be filled by compositing 1/3 of the transfer bottle from each point of the transect. This equates to filling the 1000-milliliter jar 1/3 full at each point on the transect. In most cases a small amount more from each point will be needed to fill the jar to the shoulder. The 20-milliliter bottle and the 1-liter polypropylene bottle will be filled 1/3 full from each transect point.
- 6.5.6 After each sample container has been filled the sampler will place a sample tag with the date, time, study name, station name, laboratory sample number, and type of analysis filled out. Take care to make sure the proper tags are placed on the correct sample containers.
- 6.5.7 Once the sample containers are labeled the samples must be put in ice in a cooler. Placing the samples in a cooler in ice will bring down the temperature and preserve the samples before they are extracted and analyzed.
- 6.5.8 Upon return to the point of departure the sampler will need to fill out a laboratory analysis required sheet and place chain of custody seals on the cooler(s). Laboratory analysis sheets and chain of custody seals may be found at the Operations Center or may be obtained from MEL.
- 6.6 Sampling Using the US DH-81 Depth-Integrating Sampler
- 6.6.1 The sampler will follow most of the directions listed above in the grab sampling section. What is described here pertains mainly to the set-up and use of the US DH-81 depth integrating sampler.
- 6.6.2 Before leaving the van screw the DH-81A adaptor to the wading rod. All other parts of the US DH-81 should be left wrapped in foil until reaching the sample location.
- 6.6.3 Follow procedures 6.4.2-6.4.4. Sampling equipment for the US DH-81 are the US D-77 cap and nozzle, US DH-81A, and wading rod.
- 6.6.4 Remove the foil from the US D-77 nozzle and D-77 cap and put them together. Place the single piece into the US DH-81A and turn the piece to lock it in place.

- 6.6.5 Remove the foil from the opening of the 1-liter pre-cleaned sample jar that fits the DH-81 and screw it into the UD D-77 cap. The US DH-81 is now fully assembled.
- 6.6.6 Fill the bottle at each transect point by moving the assembly up and down in the water column. The rate of movement up and down depends on the velocity of the water. If the water moves fast then the rate will be fast. If the water is slow then the rate will be slow. The rate of upward and downward movement determines how much water from each part of the water column enters the bottle. Rate of movement should be consistent in the vertical profile and between transect points at individual sample sites.
- 6.6.7 Once the bottle is full unscrew it and put the water into one of the sample containers. Repeat this process following procedure 6.5.5.
- 6.6.8 Complete sampling following procedures 6.5.6-6.5.8.
- 6.6.9 When sampling at the station is complete, remove the US D-77 cap and nozzle out of the US DH-81A and place it in a bag for cleaning. These pieces are expensive and should be re-used.
- 6.6.10 Further information on the use of the US DH-81 may be found in the Operator's Manual for the US-DH-81 Depth Integrating Suspended-Sediment Sampler, produced by the Federal Interagency Sedimentation Project (FISP).
- 6.7 Sampling Using the US DH-95
- 6.7.1 The sampler will use most of the procedures described in the grab sampling section. What is described here mainly pertains to the set-up and use of the US DH-95 sampler.
- 6.7.2 Follow procedures described in the Grab Sampling section (6.5.1-6.5.3). Sampling equipment for the US DH-95 is the sampler, cap and nozzle, 1-liter Teflon bottle, O-Ring or rubber band, hanger and pin, and rope or bridge crane with cable.
- 6.7.3 Once at the sample site remove the sampler from the box and attach the hanger using the pin. Tie the rope to the hanger using a secure knot or attach the cable from the bridge crane. If possible tie the bitter end of the rope or secure the bridge crane to a solid object to prevent loss of the sampler.
- 6.7.4 Remove the nozzle and cap from the foil and screw the nozzle into the cap. Make sure that the nozzle is only finger tight. Remove the cap from the bottle and screw the bottle onto the cap and nozzle. Place the entire set-up into the sampler and secure it with an O-Ring or rubber band.
- 6.7.5 Lower the sampler to the water at the first transect point. Lower the sampler into the water until the tail of the sampler just touches the bottom. Move the sampler up and

down until the sampler is filled to 80% or 800 milliliters. Movement should be at a constant rate and the same at each transect point.

- 6.7.6 Raise the sampler set it up on ground making sure not to let the nozzle come into contact with any surface. If using a bridge crane keep the sampler suspended. Remove the bottle and fill each sample container 1/3 full. Repeat this process following procedure 6.5.5.
- 6.7.7 Complete sampling following procedures 6.5.6-6.5.8.
- 6.7.8 When sampling is complete, remove the cap and nozzle put them in a bag for cleaning and re-use. Parts are cleaned and re-used because they are expensive. Remove the hanger and rope from the sampler and put the sampler back in its box.
- 6.7.9 Further information on the use of the US DH-95 may be found in the Sampling with the US D-95TM Depth-Integrating Suspended-Sediment Sampler, produced by FISP.

7.0 Records Management

- 7.1 For each site where pesticides samples are collected, the following must be recorded in a field book:
 - 7.1.1 Station name
 - 7.1.2 Date and time of collection
 - 7.1.3 Person or persons collecting samples
 - 7.1.4 Weather observations
 - 7.1.5 Method used for collection
 - 7.1.6 Any field notes that may be pertinent to the investigation (e.g., dead fish)
- 7.2 All incoming MEL data should be stored in an organized manner for easy retrieval and review at a later date (e.g., File folders with the week number and date).

8.0 Quality Control and Quality Assurance Section

- 8.1 Field Quality Control Samples
 - 8.1.1 Replicate Samples: Replicate samples consisting of two samples collected at the same time or in series should be included at the discretion of the project lead. Water for the replicate sample shall be collected at the same time as the regular sample at each point on the transect. These samples will estimate the total random variability (precision) of individual results.
 - 8.1.2 Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples: MS/MSD samples consisting of 2 extra volumes of water collected at one station should be included at the discretion of the project lead. These samples are used to evaluate the potential for significant bias in the results due to the interference of the water matrix.
 - 8.1.3 Field Blanks (transfer blanks): A transfer blank is prepared by filling a sample container with pure water during routine sample collection to check for possible

contamination from the surroundings. The transfer blank will also detect contamination from the containers or from cross-contamination during transportation and storage of the samples. Transfer blank samples should be included at the discretion of the project lead.

8.2 Results Quality Control

8.2.1 After MEL performs the sample analysis and obtains numerical results the analyst and the lab QA/QC officer will review data and write up a case narrative. The results and narrative will be compiled into a report.

8.2.2 After laboratory review the report will be given to the project lead or other designated project personnel. The person receiving the report will review the results and case narrative and look for any errors, omissions, or inconsistencies. It is the responsibility of the reviewer to investigate any issues and notify the project lead.

9.0 Safety

9.1 Field work done in connection with collecting pesticide samples in surface waters should follow the protocols described in the Environmental Assessment Program Safety Manual, paying special attention to those parts devoted to working in rivers and streams and working near traffic and from bridges.

10.0 References

10.1 Ecology. 2006. Environmental Assessment Program Safety Manual. Washington State Department of Ecology. Olympia, WA.

10.2 Ecology. 2006. Chemical Hygiene Plan & Hazardous Materials Management Plan. Washington State Department of Ecology. Olympia, WA.

10.3 EPA. 1990. Specifications and Guidance for Obtaining Contaminant-Free Sample Containers. OSWER Directive #93240.0-05.

10.4 FISP. 2001. Operator's Manual for the US DH-81 Depth-Integrating Suspended-Sediment Sampler. http://fisp.wes.army.mil/Instructions%20US_DH-81_010612.pdf

10.5 FISP. 2000. Sampling with the US D-95TM Depth-Integrating Suspended-Sediment Sampler. http://water.usgs.gov/fisp/docs/Instructions_US_D-95_000608.pdf

APPENDIX C – MONITORING WELL AS-BUILT LOGS

Log of Borehole: GW_70

Project: Walla Walla SAR

Well ID:

Location: Locher Road

Nominal Hole Diameter: 2 in.

Geologist: Kevin Lindsey

Kennedy/Jenks Consultants
 1020 N. Center Parkway, Suite F
 Kennewick, Washington 99336
 509-734-9763
 FAX 509-734-9764
 www.kennedyjenks.com

Depth	Symbol	Lithologic Description	Elevation	Sample Location	Construction Details
-3		Ground Surface	0		<p>Diagram labels: surface monument, ~3-0 ft. concrete monument hole plug, 1.5-8 ft. sand filter pack, 8-60 ft. 2 in. PVC blank casing, ~3-20 ft. SWL TOC -37.61 ft. 12/20/05 2 in. PVC slotted casing, 20-60 ft.</p>
		road material < 6in. silty sand with small basalt pebbles	-5	4-5	
7		basalt gravel with very little sandy silt matrix larger gravel.	-7	7-8	
		amount of matrix increasing slowly with depth	-15	15-16	
17		basalt pebble size decreasing. matrix still increasing with depth	-19	19-20	
		28-29 ft. sample contains some larger gravel	-23	23-24	
		gravel getting smaller	-25	25-26	
27		gravel increasing in size. same amount of sandy silt matrix	-28	28-29	
		samples becoming wet and cohesive	-32	32-33	
		similar material to TD	-35	35-36	
37			-39	39-40	
			-42	42-43	
			-44	44-45	
47			-53	53-54	
57			-57	57-58	
		TD 60 ft.	-60		

Drilled By: Environmental West Exploration, Inc.

Total Depth: 60 ft.

Drill Method: Air Rotary

Drill Date: 12/19/2005

Page: 1 of 1

Log of Borehole: GW_71

Project: Walla Walla SAR

Well ID:

Location: Locher Road

Nominal Hole Diameter: 2 in.

Geologist: Kevin Lindsey

Kennedy/Jenks Consultants
 1020 N. Center Parkway, Suite F
 Kennewick, Washington 99336
 509-734-9763
 FAX 509-734-9764
 www.kennedyjenks.com

Depth	Symbol	Lithologic Description	Elevation	Sample Location	Construction Details
-3		Ground Surface	0		
		topsoil to 2 ft. sandy silt with very few small pebbles	-2	2-3	
7		basalt gravel with very little sandy silt matrix	-7	7-8	
		much more sandy silt matrix	-12	12-13	
17		less matrix in 17-18 ft. sample	-17	17-18	
		sandy silt matrix increasing in same basalt gravel same material to TD	-23	23-24	
27			-27	27-28	
			-33	33-34	
37			-37	37-38	
			-44	44-45	
47			-48	48-49	
			-51		
TD 51 ft.					

Drilled By: Environmental Wese Exploration, Inc.

Total Depth: 51 ft.

Drill Method: Air Rotary

Drill Date: 12/19/2005

Page: 1 of 1

Log of Borehole: GW_72

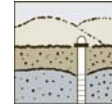
Also known as:

Project: Walla Walla SAR

Well ID: L-3

Location: Locher Road

Geologist: Kevin Lindsey



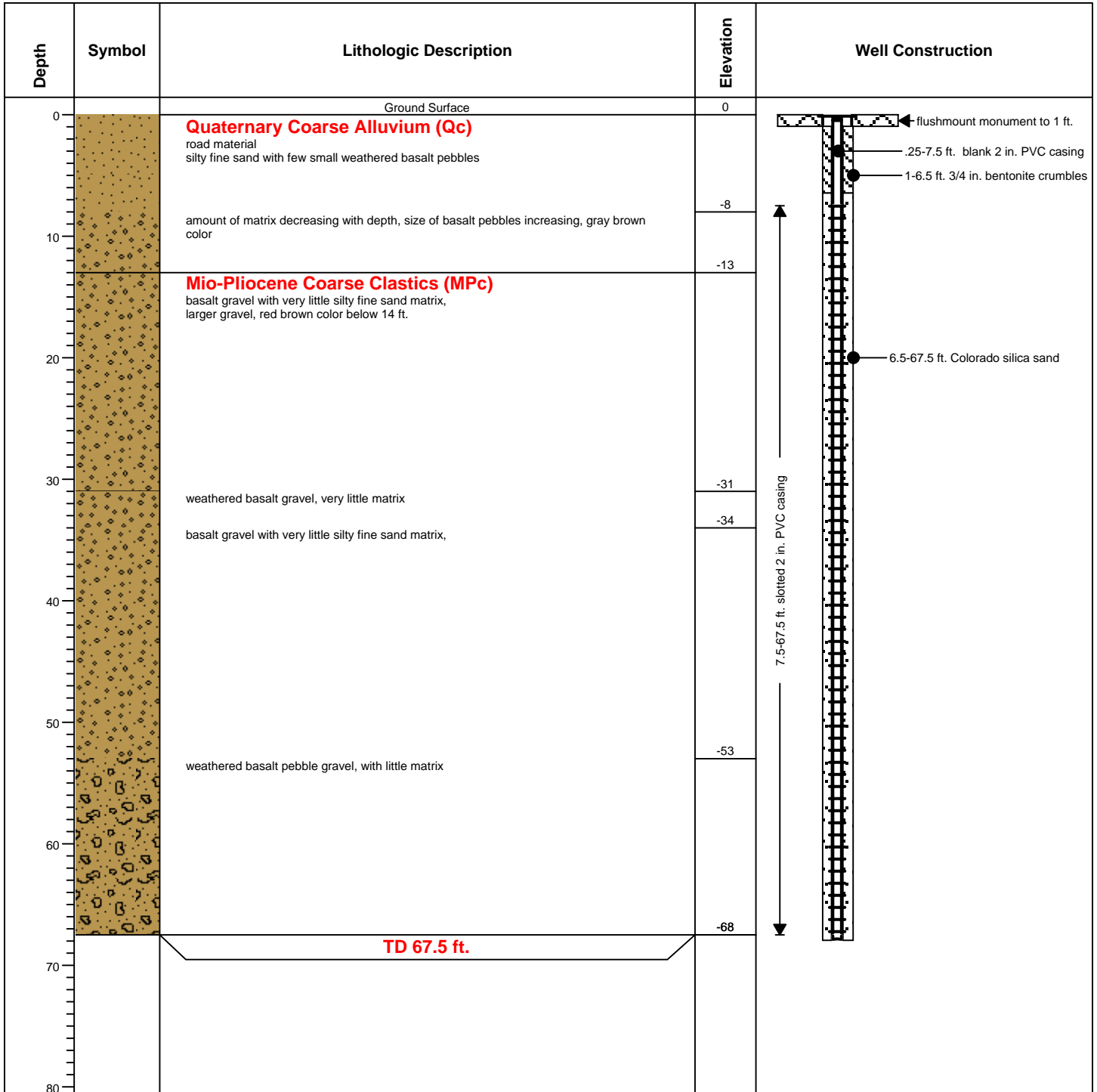
Groundwater Solutions Inc.

1020 N. Center Parkway, Suite F
Kennewick, Washington 99336

509-735-7135

FAX 509-735-7067

www.groundwatersolutions.com



Drilled By: Environmental West Exploration, Inc.

Total Depth: 67.5 ft.

Drill Method: Reverse Air Rotary, Tubex

Drill Date: 1/9/2007

Page: 1 of 1

Log of Borehole: GW_136

Project: WWBWC 2011 Drilling

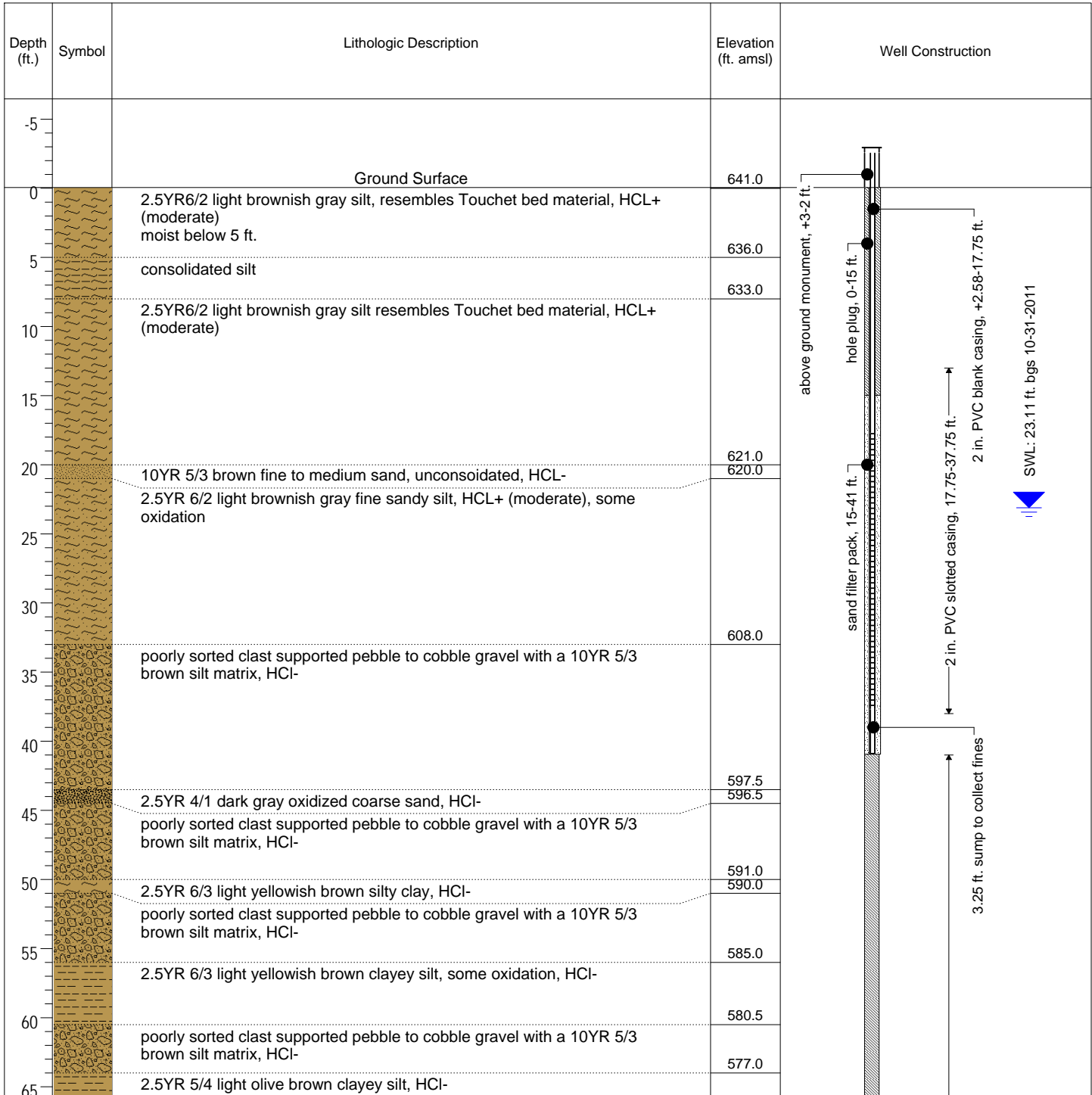
Well ID: BCE 307

Location: 46.049983, -118.470402

Logged By: Travis Hammond



8019 W. Quinault Ave., Suite 201
 Kennewick, Washington 99336
 509-735-7135
 FAX 509-735-7067



Drilled By: Enviromental West Exploration

Drill Method: sonic

Drill Date: 10-28-2011

Total Depth: 100 ft.

Nominal Borehole Diameter: 4 in.

Page: 1 of 2

Log of Borehole: GW_136

Project: WWBWC 2011 Drilling

Well ID: BCE 307

Location: 46.049983, -118.470402

Logged By: Travis Hammond



8019 W. Quinault Ave., Suite 201
 Kennewick, Washington 99336
 509-735-7135
 FAX 509-735-7067

Depth (ft.)	Symbol	Lithologic Description	Elevation (ft. amsl)	Well Construction
70		poorly sorted clast supported pebble to cobble gravel with a 10YR 4/4 dark yellowish brown medium sandy silt matrix, heavily oxidized, HCl-	575.0	<p>hole plug, 41-100ft.</p>
75		10YR 6/3 pale brown clayey silt, some oxidation, HCl-	569.0	
80		pebble to cobble gravel with a 10YR 6/3 pale brown clayey silt matrix, HCl-	566.0	
85		10YR 6/3 pale brown clayey sandy silt, some oxidation, HCl-	561.0	
90		pebble to cobble gravel with a 10YR 6/3 pale brown clayey silt matrix, some oxidation, HCl-	559.0	
95		2.5YR 7/2 light gray clayey silt, some oxidation, HCl-	556.0	
100		End of Log	541.0	
105				
110				
115				
120				
125				
130				
135				

Drilled By: Enviromental West Exploration

Drill Method: sonic

Drill Date: 10-28-2011

Total Depth: 100 ft.

Nominal Borehole Diameter: 4 in.

Page: 2 of 2

Geologic Log of: GW_145

Project: WWBWC 2014 Drilling

State Well ID: BHW-824

Logged By: Jon Travis

Location: Stiller Pond



Water Solutions, Inc.

8019 W. Quinault Ave, Suite 201
 Kennewick, WA 99336
 Phone: 509.735.7135
 Fax: 509.735.7067

Depth (ft. bgs)	Lithology Symbol	Lithologic Description	Elevation (ft. amsl)	Well Construction
0		Ground Surface	0.0	
0 - 10		Very Fine Sandy SILT 10YR 5/2 grayish brown, micaceous	0.0	
10 - 22		Very Fine SAND 10YR 5/2 grayish brown, minor HCl reaction, micaceous	-10.0 10.0	3/8" bentonite chips - 1-11 ft. 2-inch SCH 40 PVC casing - 0-13 ft. Flushmount Monument - 0-1ft.
22 - 33		Medium to Coarse SAND 10YR 5/3 brown, moderate HCl reaction, micaceous Silty Fine Sandy GRAVEL GRAVEL is sub-rounded to rounded small to medium sized basalt pebbles, some are weathered Matrix is a very fine sandy SILT , 10YR 5/3 brown, NO HCl reaction,	-22.0 22.0	10/20 Sand Filter Pack - 11-33 ft.
33 - 50		TD 33 ft. Ground Elevation: Top of Casing Elevation: *BTOC = Below Top Of Casing	-33.0 33.0	2-inch SCH 40 PVC 0.020 slotted casing - 13-33 ft.

Drilled By: Environmental West Exploration
Drilling Method: Tubex Air Rotary
Static Water Level: 15.15' ft. BTOC* (2-5-2014)

Total Depth: 33 ft.
Date Completed: 2-4-2014
Page: 1 of 1

Geologic Log of: GW_146

Project: WWBWC 2014 Drilling

State Well ID: BHW-823

Logged By: Jon Travis

Location: Stiller Pond



Water Solutions, Inc.

8019 W. Quinault Ave, Suite 201
 Kennewick, WA 99336
 Phone: 509.735.7135
 Fax: 509.735.7067

Depth (ft. bgs)	Lithology Symbol	Lithologic Description	Elevation (ft. amsl)	Well Construction
0		Ground Surface	0.0	
0 - 10		Silty Very Fine SAND 10YR 5/2 grayish brown, vigorous HCl reaction, micaceous, trace of caliche fragments >5mm	0.0	3/8" bentonite chips - 1-18 ft.
10 - 22		Very Fine SAND 10YR 5/3 brown, moderate HCl reaction, micaceous	-10.0 10.0	2-inch SCH 40 PVC casing - 0-20 ft. Flushmount Monument - 0-1ft.
22 - 40		medium to coarse SAND 10YR 5/3 brown, NO HCl reaction, micaceous Silty Fine Sandy GRAVEL GRAVEL is sub-rounded to rounded small to medium sized basalt pebbles, some are weathered Matrix is a very fine sandy SILT, 10YR 5/3 brown, NO HCl reaction,	-22.0 22.0	10/20 Sand Filter Pack - 18-40 ft.
40 - 50		TD 40 ft. Ground Elevation: Top of Casing Elevation: *BTOC = Below Top Of Casing	-40.0 40.0	2-inch SCH 40 PVC 0.020 slotted casing - 20-40 ft.

Drilled By: Environmental West Exploration
Drilling Method: Tubex Air Rotary
Static Water Level: 25.52' ft. BTOC* (2-5-2014)

Total Depth: 40 ft.
Date Completed: 2-4-2014
Page: 1 of 1

Geologic Log of: GW_147

Project: WWBWC 2014 Drilling

State Well ID: BHW-822

Logged By: Jon Travis

Location: Stiller Pond



Water Solutions, Inc.

8019 W. Quinault Ave, Suite 201
 Kennewick, WA 99336
 Phone: 509.735.7135
 Fax: 509.735.7067

Depth (ft. bgs)	Lithology Symbol	Lithologic Description	Elevation (ft. amsl)	Well Construction
0		Ground Surface	0.0	
0 - 12.0		Very Fine Sandy SILT 10YR 5/3 brown, micaceous, moderate HCl reaction	0.0	
12.0 - 24.0		Silty Fine Sandy GRAVEL GRAVEL is sub-rounded to rounded small to medium sized basalt pebbles, some are weathered Matrix is a very fine sandy SILT , 10YR 5/3 brown, NO HCl reaction	-12.0 12.0	3/8" bentonite chips - 1-13 ft. 2-inch SCH 40 PVC casing - 0-15 ft. Flushmount Monument - 0-1ft.
24.0 - 35.0		Fine Sandy SILT 10YR 5/3 brown, NO HCl reaction, micaceous Silty Fine Sandy GRAVEL GRAVEL is sub-rounded to rounded small to medium sized basalt pebbles, some are weathered Matrix is a very fine sandy SILT , 10YR 5/3 brown, NO HCl reaction	-24.0 24.0	10/20 Sand Filter Pack - 13-35 ft. 2-inch SCH 40 PVC 0.020 slotted casing - 15-35 ft.
35.0 - 35.0		TD 35 ft. Ground Elevation: Top of Casing Elevation:	-35.0 35.0	
35.0 - 50.0		*BTOC = Below Top Of Casing		

Drilled By: Environmental West Exploration
Drilling Method: Tubex Air Rotary
Static Water Level: 18.11' ft. BTOC* (2-5-2014)

Total Depth: 35 ft.
Date Completed: 2-4-2014
Page: 1 of 1

Geologic Log of: GW_148

Project: WWBWC 2014 Drilling

State Well ID: BHW-826

Logged By: Jon Travis

Location: West Little Walla Walla River



Water Solutions, Inc.

8019 W. Quinault Ave, Suite 201
 Kennewick, WA 99336
 Phone: 509.735.7135
 Fax: 509.735.7067

Depth (ft. bgs)	Lithology Symbol	Lithologic Description	Elevation (ft. amsl)	Well Construction
0		Ground Surface	0.0	
0 - 10		Very Fine Sandy SILT 10YR 4/3 brown, micaceous, NO HCl reaction	0.0	<p>3/8" bentonite chips - 1-3 ft. 2-inch SCH 40 PVC casing - 0-5 ft. Flushmount Monument - 0-1ft. 10/20 Sand Filter Pack - 3-25 ft. 2-inch SCH 40 PVC 0.020 slotted casing - 5-25 ft.</p>
10 - 25		Silty Fine Sandy GRAVEL GRAVEL is sub-rounded to rounded small to medium sized basalt pebbles, some are weathered Matrix is a very fine sandy SILT , 10YR 4/3 brown, NO HCl reaction	-10.0 10.0	
25		TD 25 ft. Ground Elevation: Top of Casing Elevation: *BTOC = Below Top Of Casing	-25.0 25.0	
30				
35				
40				
45				
50				

Drilled By: Environmental West Exploration
Drilling Method: Tubex Air Rotary
Static Water Level: 4.71' ft. BTOC* (2-5-2014)

Total Depth: 25 ft.
Date Completed: 2-5-2014
Page: 1 of 1

Geologic Log of: GW_149

Project: WWBWC 2014 Drilling

State Well ID: BHW-826

Logged By: Jon Travis

Location: West Little Walla Walla River



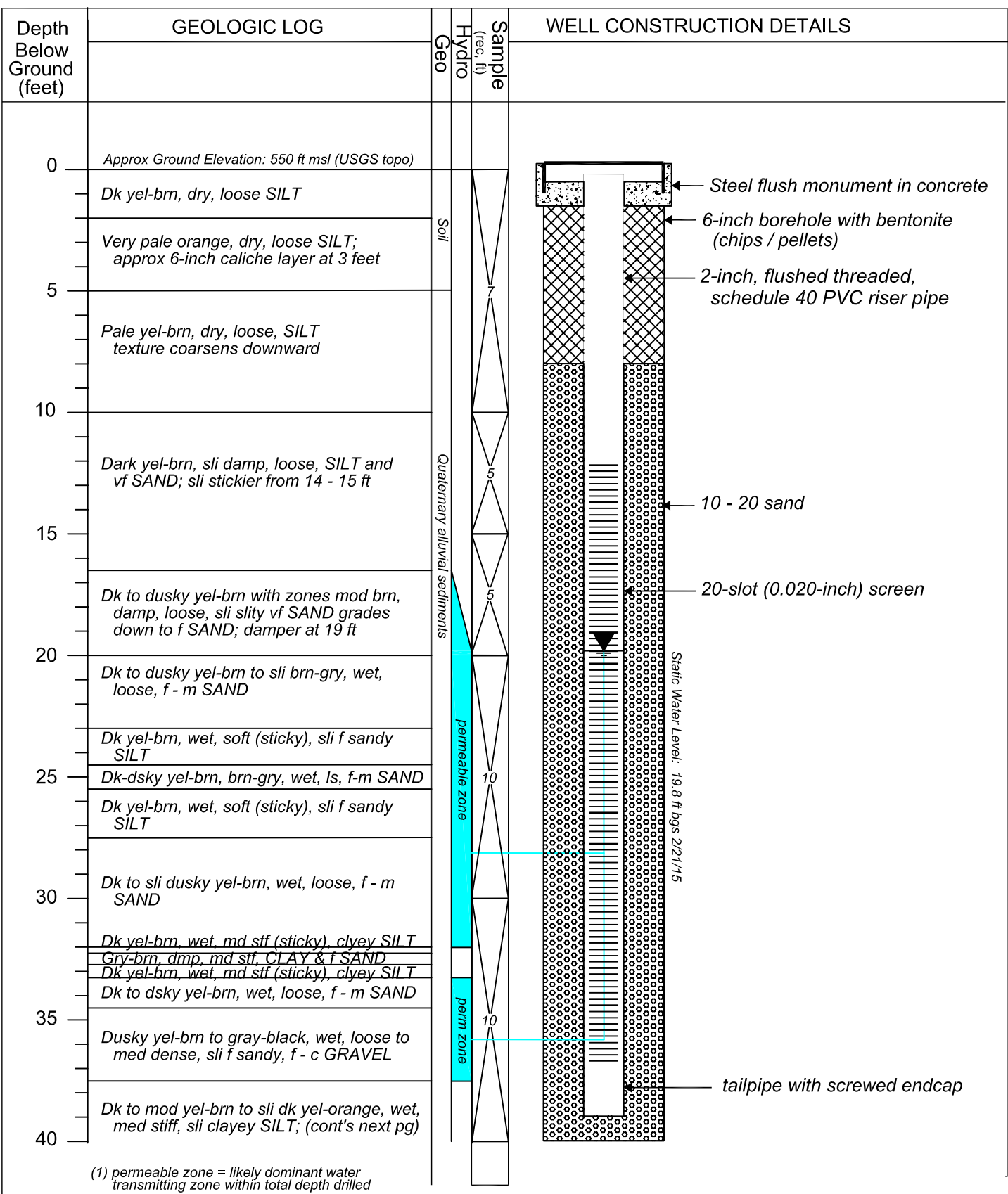
Water Solutions, Inc.

8019 W. Quinault Ave, Suite 201
 Kennewick, WA 99336
 Phone: 509.735.7135
 Fax: 509.735.7067

Depth (ft. bgs)	Lithology Symbol	Lithologic Description	Elevation (ft. amsl)	Well Construction
0		Ground Surface	0.0	
5		No samples were recovered from 0-10 ft. Based on the way it drilled the material most likely is very fine sandy silt. The contact at 8 ft. is estimated	0.0	
10	[Symbol: Dotted pattern with small circles]	Silty Fine Sandy GRAVEL GRAVEL is sub-rounded to angular granule to small sized basalt pebbles, some are weathered Matrix is a very fine sandy SILT , 10YR 4/3 brown, NO HCl reaction	-8.0 8.0	<p>3/8" bentonite chips - 1-4 ft. 10/20 Sand Filter Pack - 4-21 ft. 2-inch SCH 40 PVC 0.020 slotted casing - 6-21 ft. 2-inch SCH 40 PVC casing - 0-6 ft. Flushmount Monument - 0-1ft.</p>
20		TD 21 ft. Ground Elevation: Top of Casing Elevation: *BTOC = Below Top Of Casing	-21.0 21.0	
25				
30				
35				
40				
45				
50				

Drilled By: Environmental West Exploration
Drilling Method: Tubex Air Rotary
Static Water Level: 1.12' ft. BTOC* (2-5-2014)

Total Depth: 20 ft.
Date Completed: 2-5-2014
Page: 1 of 1



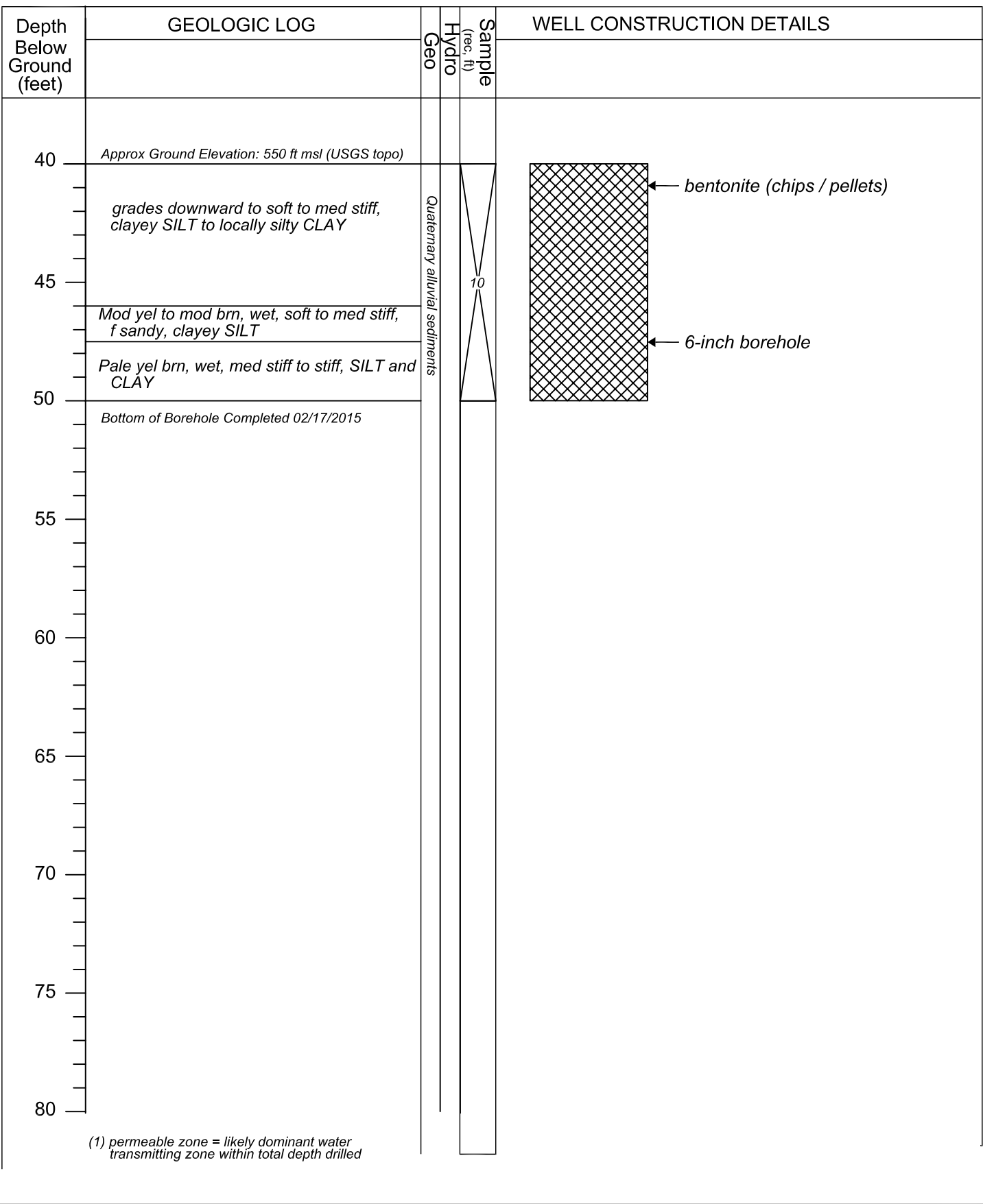
version 03/28/15
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PROJECT NAME: Mud Creek Groundwater Monitoring
 DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample
 DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
 FIRM: Holt Services, Inc
 CONSULTING FIRM: Northwest Land & Water, Inc
 REPRESENTATIVE: Jim Mathieu, Hydrogeologist
 LOCATION: NE 1/4 SW 1/4 Sec 03, T06N, R34E
 WELL NAME: GW-153 (aka MC-SE)
 WELL TAG ID: BIK 260

Draft Figure C-3a
 GW-153 Geologic Log and
 Well Construction Details

Mud Creek Recharge Project
 Walla Walla Basin Watershed Council





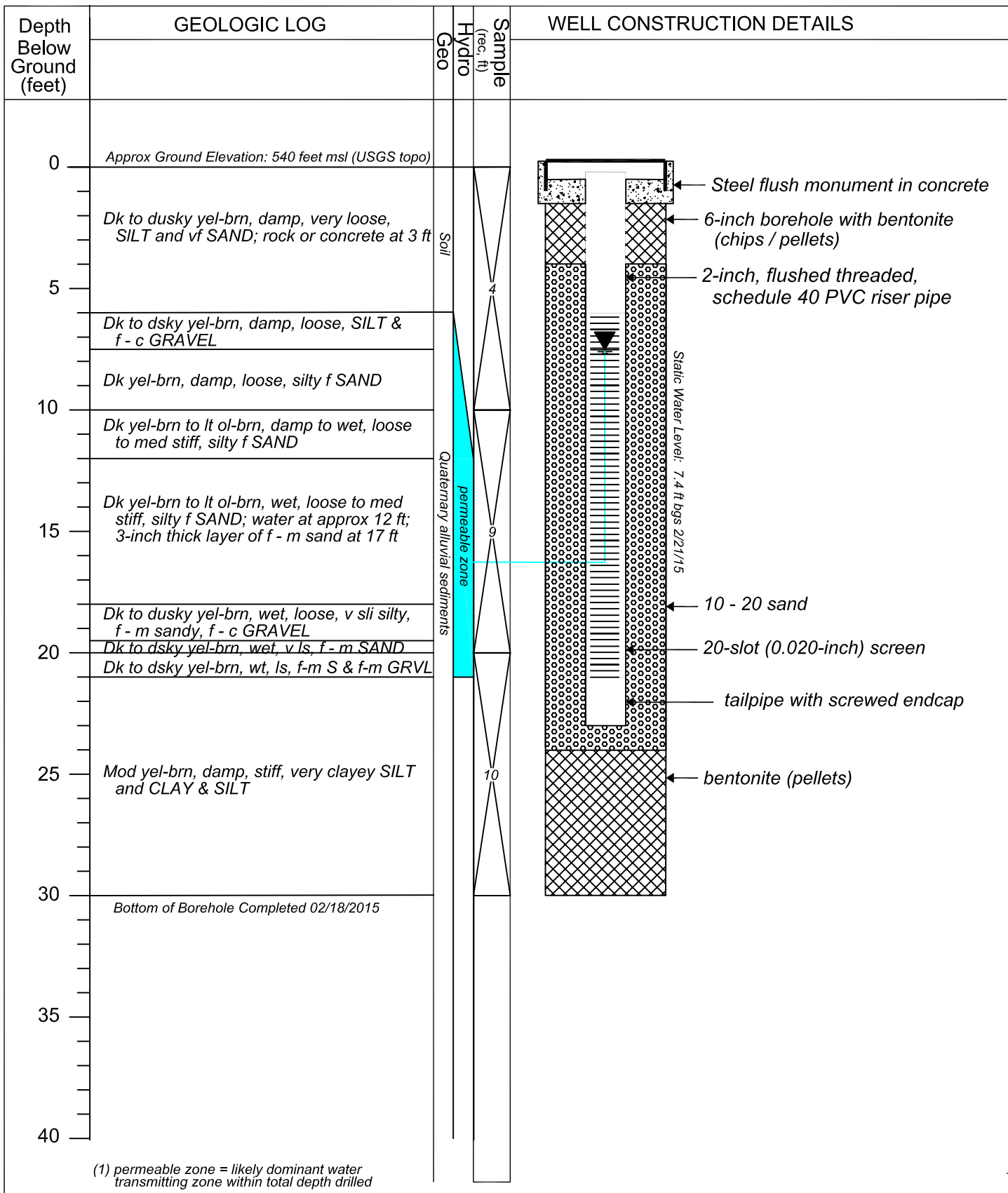
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PROJECT NAME: Mud Creek Groundwater Monitoring
DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample
DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
FIRM: Holt Services, Inc
CONSULTING FIRM: Northwest Land & Water, Inc
REPRESENTATIVE: Jim Mathieu, Hydrogeologist
LOCATION: NE 1/4 SW 1/4 Sec 03, T06N, R34E
WELL NAME: GW-153 (aka MC-SE)
WELL TAG ID: BIK 260

Draft Figure C-3b
GW-153 Geologic Log and
Well Construction Details

Mud Creek Recharge Project
 Walla Walla Basin Watershed Council





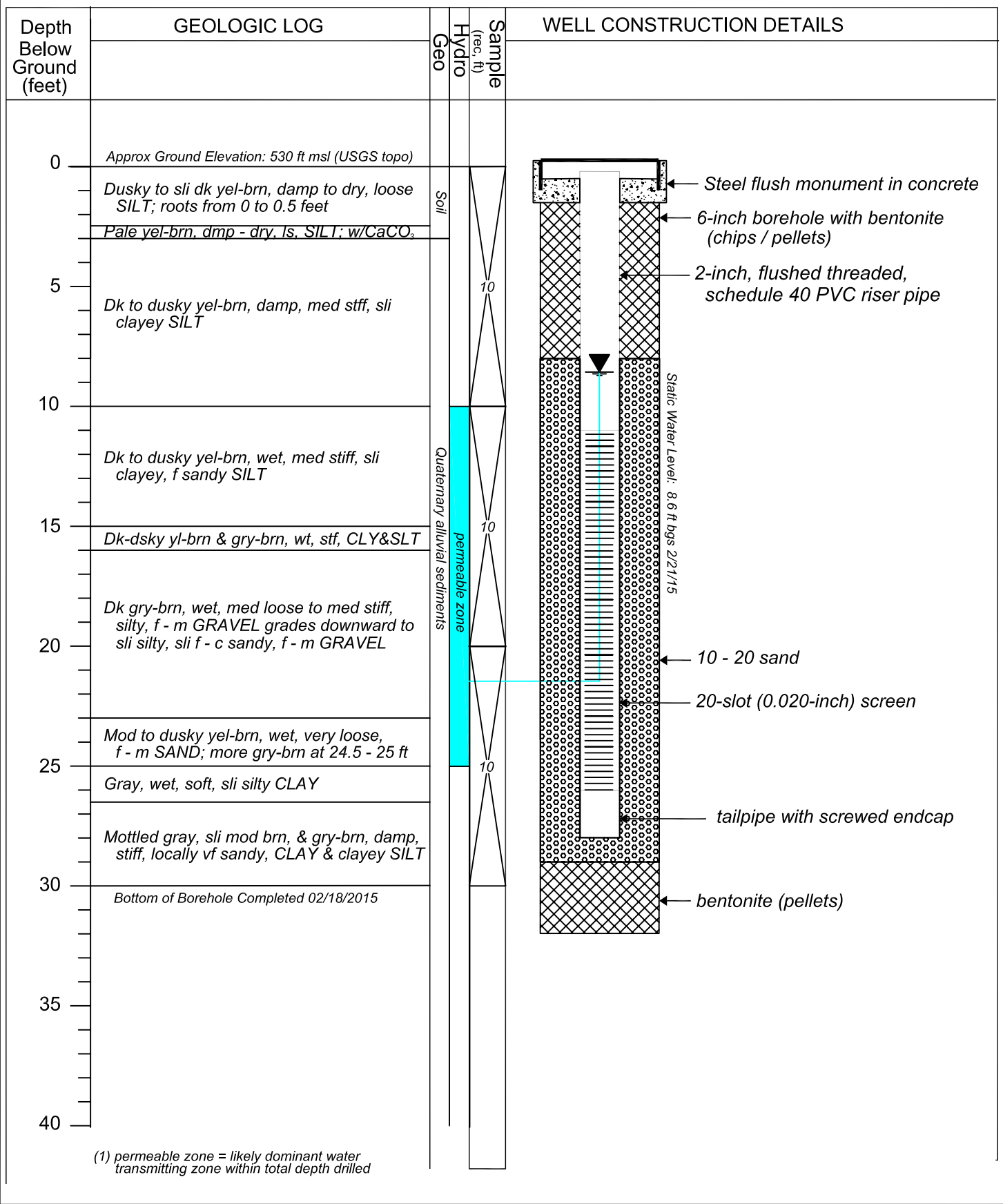
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 version 03/28/15

PROJECT NAME: Mud Creek Groundwater Monitoring
DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample
DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
FIRM: Holt Services, Inc
CONSULTING FIRM: Northwest Land & Water, Inc
REPRESENTATIVE: Jim Mathieu, Hydrogeologist
LOCATION: NW 1/4 SW 1/4 Sec 03, T06N, R34E
WELL NAME: GW-154 (aka MC-SW)
WELL TAG ID: BIK 261

Draft Figure C-4
GW-154 Geologic Log and
Well Construction Details

Mud Creek Recharge Project
 Walla Walla Basin Watershed Council





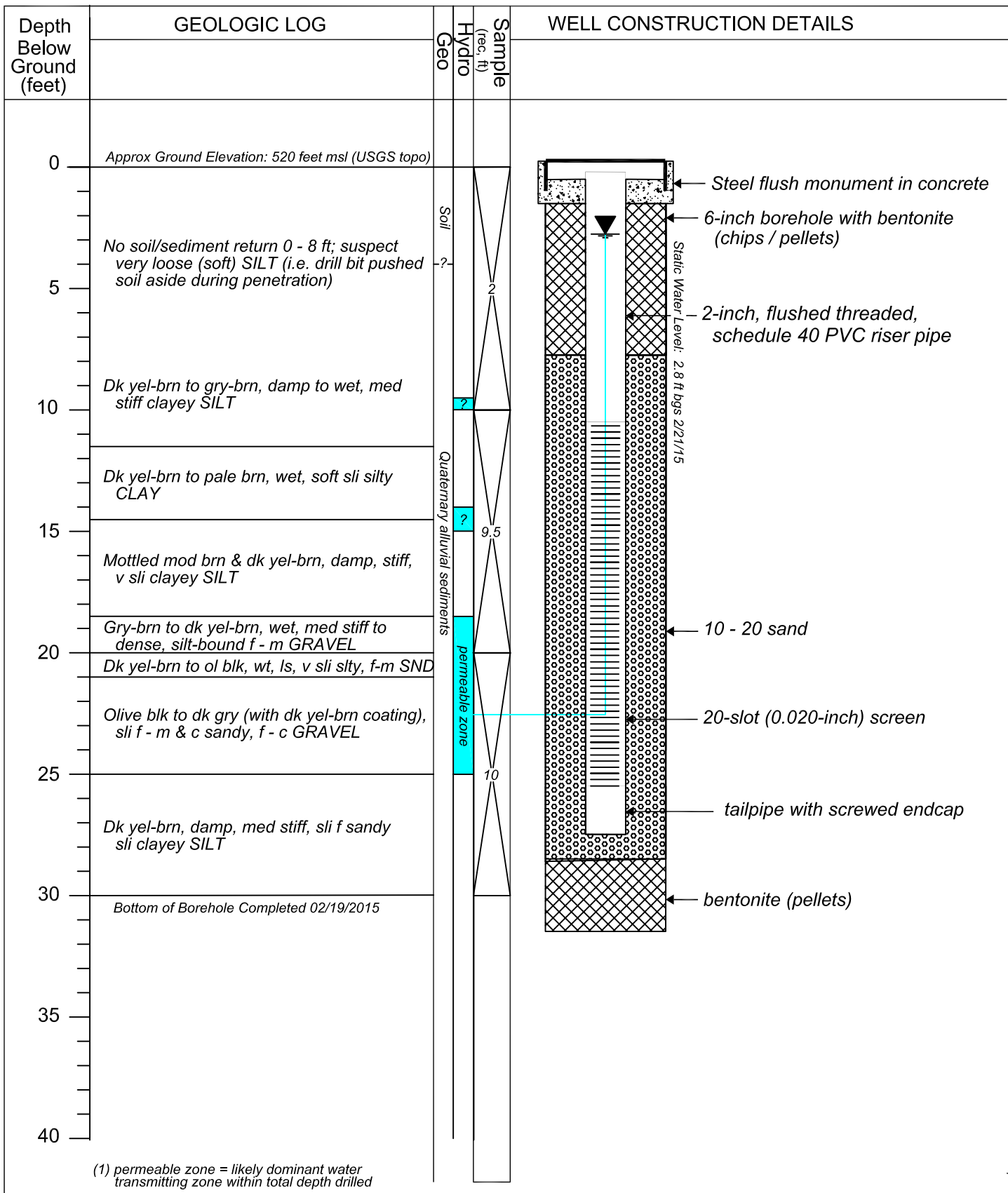
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PROJECT NAME: Mud Creek Groundwater Monitoring
 DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
 FIRM: Holt Services, Inc
 CONSULTING FIRM: Northwest Land & Water, Inc
 REPRESENTATIVE: Jim Mathieu, Hydrogeologist
 LOCATION: SW 1/4 NW 1/4 Sec 03, T06N, R34E
 WELL NAME: GW-155 (aka MC-NW)
 WELL TAG ID: BIK 262

Draft Figure C-5
 GW-155 Geologic Log and Well Construction Details

Mud Creek Recharge Project
 Walla Walla Basin Watershed Council





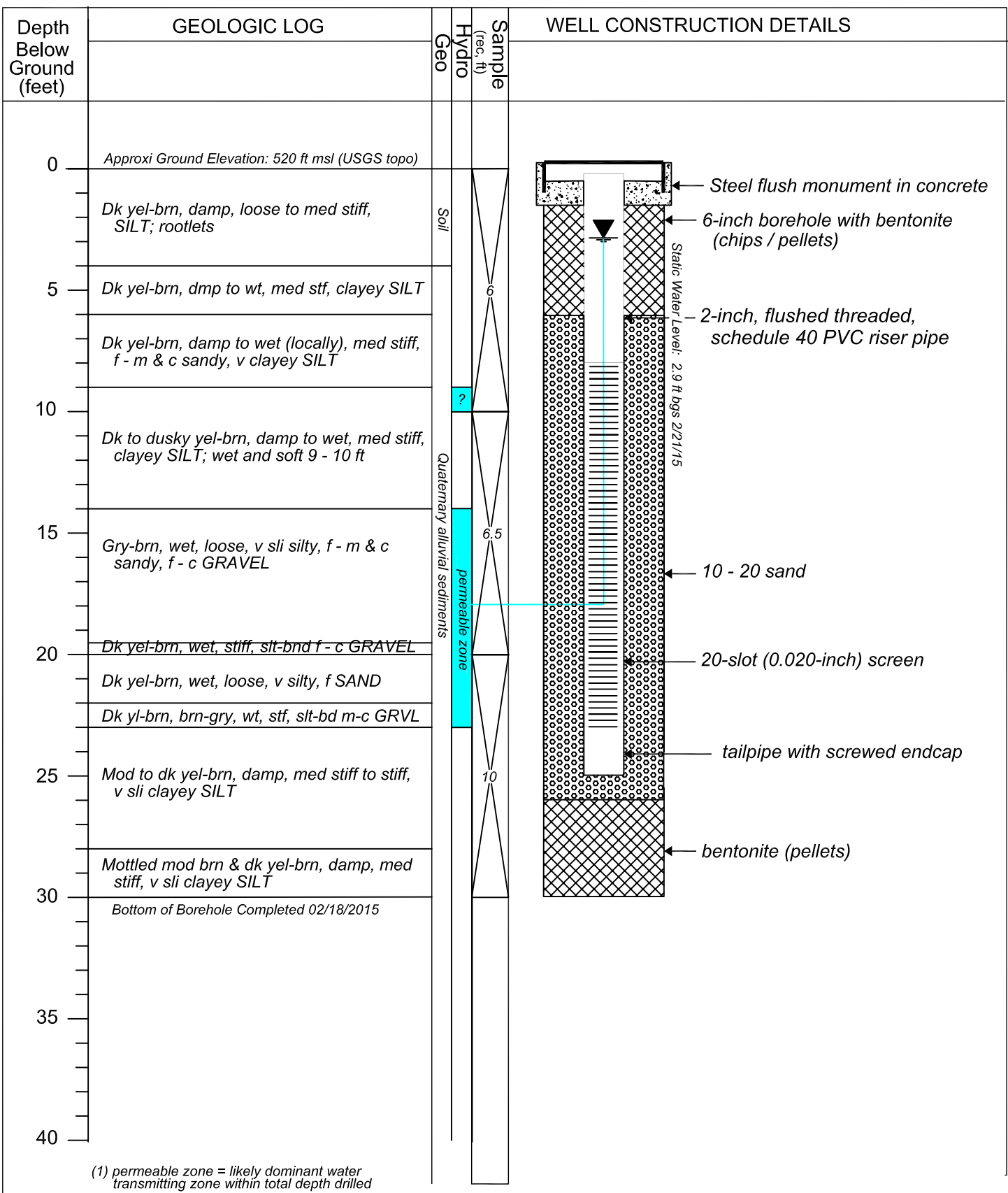
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PROJECT NAME: Mud Creek Groundwater Monitoring
 DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
 FIRM: Holt Services, Inc
 CONSULTING FIRM: Northwest Land & Water, Inc
 REPRESENTATIVE: Jim Mathieu, Hydrogeologist
 LOCATION: SW 1/4 SW 1/4 Sec 34, T07N, R34E
 WELL NAME: GW-156 (aka L2-W)
 WELL TAG ID: BIJ 705

Draft Figure C-6
 GW-156 Geologic Log and Well Construction Details

Mud Creek Recharge Project
 Walla Walla Basin Watershed Council





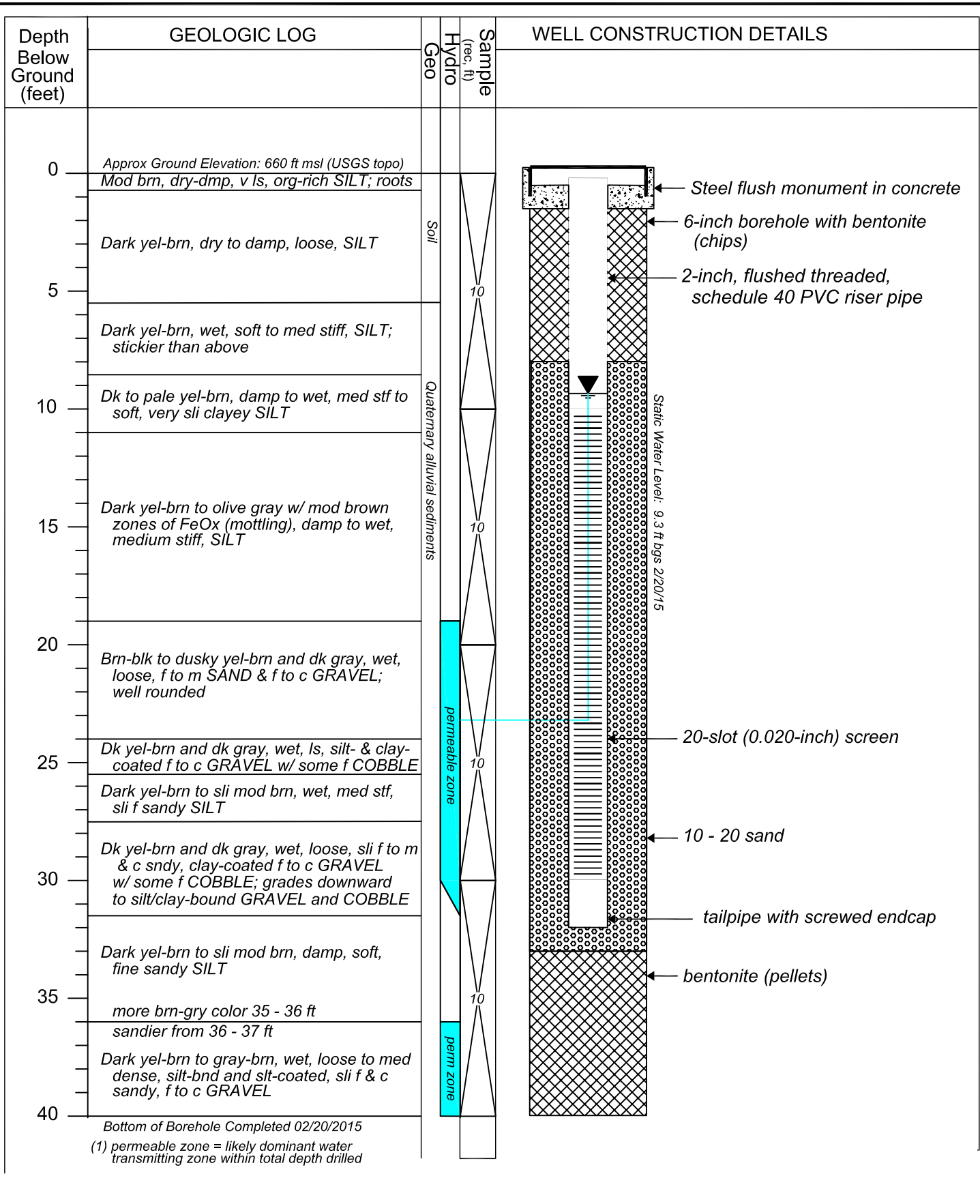
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PROJECT NAME: Mud Creek Groundwater Monitoring
DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
FIRM: Holt Services, Inc
CONSULTING FIRM: Northwest Land & Water, Inc
REPRESENTATIVE: Jim Mathieu, Hydrogeologist
LOCATION: SE 1/4 SW 1/4 Sec 34, T07N, R34E
WELL NAME: GW-157 (aka L2-E)
WELL TAG ID: BIK 263

Draft Figure C-7
GW-157 Geologic Log and Well Construction Details

Mud Creek Recharge Project
 Walla Walla Basin Watershed Council





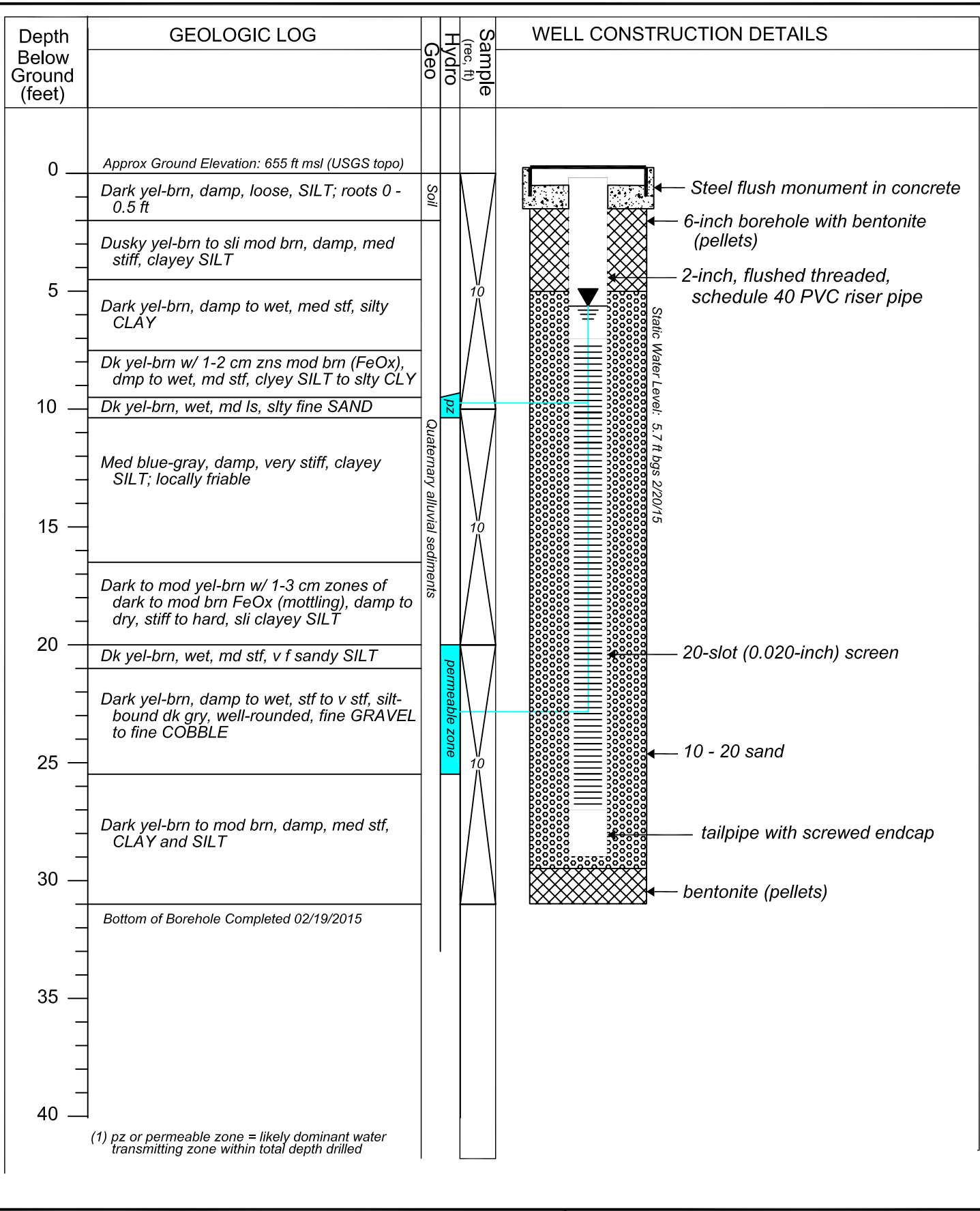
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PROJECT NAME: Last Chance Groundwater Monitoring
DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
FIRM: Holt Services, Inc
CONSULTING FIRM: Northwest Land & Water, Inc
REPRESENTATIVE: Jim Mathieu, Hydrogeologist
LOCATION: SE 1/4 SE 1/4 Sec 05, T06N, R35E
WELL NAME: GW-158 (aka LC-S)
WELL TAG ID: BIK 259

Draft Figure C-2
GW-158 Geologic Log and Well Construction Details

Last Chance Recharge Project
 Walla Walla Basin Watershed Council





(1) pz or permeable zone = likely dominant water transmitting zone within total depth drilled

C:\Projects\..._Logs&AsBuilt\draft_Asbuilt and GeoLog_LC-N.dwg version 03/28/15

PROJECT NAME: Last Chance Groundwater Monitoring
 DRILLING METHOD: Sonic, 6-inch casing, 4-inch sample DRILLER: Pete Rosenberg (driller), Jacob, Josh (helpers)
 FIRM: Holt Services, Inc
 CONSULTING FIRM: Northwest Land & Water, Inc
 REPRESENTATIVE: Jim Mathieu, Hydrogeologist
 LOCATION: NE 1/4 SE 1/4 Sec 05, T06N, R35E
 WELL NAME: GW-159 (aka LC-N)
 WELL TAG ID: BIK 258

Draft Figure C-1
 GW-159 Geologic Log and Well Construction Details

Last Chance Recharge Project
 Walla Walla Basin Watershed Council

