

**Annual Report for the Spring 2008 Recharge
Season,
Hall-Wentland Shallow Aquifer Recharge
Site, Umatilla County, Oregon, and Walla
Walla County, Washington**



**Prepared for:
Walla Walla Basin Watershed Council
And
Walla Walla River Irrigation District**

**By
GSI Water Solutions, Inc.**

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Under contract to the Walla Walla Basin Watershed Council,
Founded by Washington Department of Ecology

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1.0 – INTRODUCTION

This report describes the results of the 2008 season of shallow aquifer recharge (SAR) work at the Hall-Wentland Site (H-W site). SAR work being done at the H-W site (and other sites) is one of several water resource management strategies being explored by water resources stakeholders in the Walla Walla Basin of southeastern Washington and northeastern Oregon (Figure 1). The H-W site is located in the SE ¼, NE ¼, Section 14, T6N, R35E, on private property south of Stateline Road in Oregon (Figures 1 and 2).

SAR at the H-W site is being done under Oregon Water Resources Department (OWRD) Limited License 915 issued to the Walla Walla River Irrigation District (WWRID) in the fall of 2005. H-W site SAR work currently is being funded by Washington Department of Ecology (WADOE) through grants awarded to the Walla Walla Basin Watershed Council (WWBWC). SAR activities done at the H-W site under Limited License 915 can be conducted seasonally (with several stipulations and conditions) between November and April of the succeeding calendar year. This license expires in April 2010.

The 2008 SAR season at the H-W site began on 01 April 2008 and ended on 15 April 2008. The results of the 2006 and 2007 seasons are described in Kennedy/Jenks (2006) and GSI (2007), respectively. Kennedy/Jenks (2006) also describes background conditions interpreted for the H-W site prior to the start of SAR work in early 2006, H-W site physical conditions, and the regulatory constraints under which the work can be conducted. That information will not be repeated in this report. Instead, this report focuses on describing the results of the 2008 season. Topics and information presented in this report include the following:

- A timeline listing the major events associated with the 2008 recharge season.
- Site modifications and changes relative to the prior recharge season.
- Rates and volumes of water delivered to the H-W site. As was the case in previous seasons, source water was ambient flow from the East Little Walla Walla River (ELWW) delivered to the H-W site via Wells Ditch (Figure 3). Also as in previous seasons, water was not diverted from the mainstream of the Walla Walla River for this project.

- Alluvial aquifer water levels, before, during, and after the 2008 season.
- Results of groundwater and surface water quality monitoring before, during, and after the 2008 season.
- Conclusions and recommendations.

In addition, this report is accompanied by appendices that contain data and information collected during the course of the 2008 season. These appendices are as follows:

- Appendix A. Field notes.
- Appendix B. Water quality data.

Work described in this report was done by GSI Water Solutions, Inc. (GSI), 2008 SAR under Task Order 8 of GSI's continuing services contract with the WWBWC. For the 2008 recharge season the project team included:

- Kevin Lindsey, Ph.D., L.H.G. (GSI) – GSI project manager and hydrogeologist (Washington).
- Terry Tolan, R.G. (GSI) – hydrogeologist (Oregon).
- Jon Travis (GSI) – geologic, field, and report production support.
- John Fazio, PE (Fazio Engineering) – project engineer.
- Tom Page (independent land owner) – Site operator and local point of contact.
- Troy Baker (WWBWC) – Water quality sampling

The basic site layout for the 2008 SAR test season was very similar to that of the preceding test seasons (Figure 3).

2.0 - 2008 TIMELINE

The project timeline presented here lists the main project activities and actions for the

2008 SAR testing season. Notes and documents describing many of these actions and events are attached to this report in the Appendix A.

- Late 2007, WADOE authorizes the WWBWC to proceed with the H-W SAR project.
- January 2008, GSI authorized by WWBWC under Task Order 8 to proceed with work at the H-W site.
- 23 January 2008; initial water quality sampling event. Field and basic groundwater parameters collected. Results are reported in Appendix B.
- 13 February 2008; water quality sampling event. Field, basic, and synthetic organic compound (SOC) parameters collected for both groundwater and source water. Results in Appendix B.
- 28 February 2008; fish screen and weir structures put in place at the diversion on Wells Ditch. Small portable ramp flume installed in the branch ditch leading onto the H-W site. Transducers installed at the Branch Ditch ramp flume and at the Wells Ditch diversion weir.
- Throughout March 2008; water level observed at Stateline Road gauge on the ELWW was consistently below 3.5 cubic feet per second (cfs), the minimum required flow needed before SAR at the H-W site may be done. This determination based on visual observation of the staff gauge and comparison to preliminary rating curve provided by WADOE staff.
- 01 April 2008; SAR test season begins when flows in the ELWW exceed 3.5 cfs based on visual observation of the staff gauge and a preliminary rating curve provided by WADOE staff.
- 01-15 April, 2008; test ongoing, H-W site visited every 1 to 2 days to clean fish screen and to check flow in ELWW at Stateline Rd. Flow to H-W site commonly less than 1.5 cfs.
- 08 April 2008; water quality sampling event. Field and basic parameters collected. Results are reported in Appendix B.

- 15 April 2008; SAR test season ends. Fish screen and weir boards used to control the test are removed. Wells Ditch and Branch Ditch return to normal use.
- 27 May 2008; Post-test water quality sampling. Field and basic parameters collected. Results are reported in Appendix B.
- September 2008; SAR season report prepared.

3.0 - ON-SITE WORK

Work done on-site for the 2008 test season focused primarily on improving flow into, and through, the ditch system supplying water to the H-W site. Off-site, a backhoe was used to clear overgrown grasses in Wells Ditch and the ELWW just above the Wells Ditch diversion to improve flow to the H-W site.

4.0 - WATER VOLUME USED IN 2008 TEST SEASON

The volume of water delivered to the H-W site during the 2008 season was calculated from the staff gauge readings and transducer data collected between 01 April 2008 and 15 April 2008 at a small portable ramp flume in the Branch Ditch that delivers water to the H-W site. This ramp flume, pictured on the cover page for this report, was placed in the ditch delivering water to the H-W site immediately upstream of the H-W site and measures actual flow onto the H-W site. Hydrographs for the ramp flume are shown in Figures 4 and 5.

Transducer data for the ramp flume was calibrated to the “0” flow mark by using a correction factor. The on-site ramp flume correction was done by adding 0.06 inches to the transducer water depth data. Following the correction for water depth, transducer data for the on-site flume was converted to flow, using the following equation:

$$Q = 0.07106 (h)^{1.615}$$

where,

Q = flow in cfs,

and

h = depth of water (in inches) across the measurement sill.

Based on the calculations described above, approximately 15 acre-feet of water (Figure 5) was delivered to the H-W site during the 2 weeks of the third season, or approximately 1 acre-foot/day. Instantaneous flow onto the H-W site generally ranged from approximately 0.2 to 1 cfs. The highest measured flow was approximately 1.3 cfs on 03 April 2008. Flows onto the H-W site generally decreased during the 2 weeks of the recharge season.

5.0 - WATER LEVELS IN THE SUPRABASALT SEDIMENT AQUIFER

As was done in the previous SAR testing seasons, water levels were tracked in on-site monitoring wells HW-1, HW-2, and HW-3 and several off-site water supply wells. Water level dates from the monitoring wells were collected using a digital transducer. In the off-site wells water levels were collected manually using a hand-held water measurement tape.

5.1 Transducer Data from On-Site Monitoring Wells

Water level data collected for the 2008 SAR testing season from each of the three monitoring wells is summarized below and shown in Figure 6.

Water level in well HW-1 (at the north end of, and down-gradient of, the H-W site) generally declined in the two months prior to the start of testing, reaching a low of approximately 732.75 feet above mean sea level (amsl) on 02 April 2008, one day after the start of recharge. It then rose to a high of approximately 735.91 feet amsl on 22 April 2008, seven days after recharge ended. After 22 April 2008 water levels began to fall

and continued to decline until the end of data collection on 15 May 2008. The final water level elevation measured was higher than the water level measured on the first day of the recharge season.

Water levels in well HW-2 (positioned up-gradient of the H-W site) exhibited greater fluctuations than observed in either HW-1 or HW-3 (Figure 6). Water level in well HW-2 generally declined in the three month period prior to the start of testing. The lowest water level elevation, approximately 739.62 feet amsl on 07 March 2008, was observed three weeks prior to the start of 2008 recharge season. It then rose to a high of approximately 752.19 feet amsl on 21 April 2008, eight days after the test season ended. Water level in well HW-2 began to rise at a higher rate on 02 April 2008, the day following the start of the 2008 recharge season. A second water level rise occurred in the well a few days after the end of the recharge season on 15 April 2008, continuing until approximately 21 April 2008. At that time, the water level elevation generally declined until approximately 12 May 2008, at which point it began to rise again. The 12 May 2008 water level was higher than water level measured at the start of the 2008 recharge season.

Well HW-3 is, like HW-1, located down-gradient of the H-W site and it displayed water level changes similar to those seen in HW-1 (Figure 6). In the several months prior to the start of the recharge season, water level in HW-3 generally declined, reaching a pre-season low on 31 March 2008 of approximately 730.00 feet amsl. It then rose to a high of approximately 732.03 feet amsl on 23 April 2008. The water level began to fall after 23 April 2008 and continued until the end of data collection 15 May 2008. The final water level elevation that was measured was above the water level measured at the start of the 2008 recharge season.

Water levels in the three on-site monitoring wells are interpreted to have responded to 2008 season SAR activities. Water levels in all three wells began to rise within one day of the start of the recharge season. The up-gradient well, HW-2, showed more changes in water level than the down-gradient wells, including a marked rise following the end of the recharge season. This rise is interpreted to be, at least in part, a result of seasonal flow through Wells Ditch as the spring 2008 irrigation season got underway. The continued rise in water level seen in the down-gradient wells (HW-1 and HW-3) may also reflect Wells Ditch operation after the end of the SAR season.

5.2 Manually Measured Water Supply Wells

Manually measured water levels were collected from 9 wells. Water levels in these 9 wells were measured between 4 and 6 times from January through May, 2008 (Figure 7). Water level data was collected from wells MC-1, MC-3 through MC-7, and MC-11 through MC-13. Wells MC-1, MC-3, MC-4, MC-5, and MC-6 are located generally down-gradient of the H-W site (Figure 2). Wells MC-7, MC-11, MC-12, and MC-13 are located west of the H-W site, in a generally cross-gradient direction (Figure 2).

Water levels for these wells are shown on Figure 7, and summarized below:

- Water levels measured in wells MC-1, MC-4, MC-5, MC-6, MC-7, and MC-12 generally increased during, and after, the 2008 recharge season. Although the data set collected is small, it seems to indicate water levels in these wells were declining prior to the start of the 2008 recharge season.
- Water level in well MC-7 declined significantly following the 2008 recharge season.
- Water level in well MC-3 appears to have declined before, during, and after the 2008 recharge season.
- Water levels in wells MC-12 and MC-13 appear to have changed little during the 2008 recharge season.

The increased water levels measured in wells MC-1, MC-4, MC-5, MC-6, and MC-7 are interpreted to have been, at least in part, a result of SAR at the H-W site. Higher water levels measured in these wells following the end of the 2008 recharge season may, similar to the on-site wells, reflect operation of Wells Ditch as the 2008 irrigation season went into full operation. If so, this indicates that Wells Ditch leaks water into the underlying suprabasalt aquifer. Wells MC-12 and MC-13 apparently did not respond to SAR at the HW-Site in the 2008 recharge season. This suggests that the aquifer area affected by the 2008 recharge season was smaller than the preceding season. The drop in water level seen in Well MC-7 following the recharge season is interpreted to reflect draw-down related to well pumping.

6.0 - WATER QUALITY

Water quality monitoring for this project is described in the project monitoring and test plan (Kennedy/Jenks, 2005).

6.1 *Field and Basic Water Quality*

Field and basic water quality data was collected twice prior to the 2008 SAR season from the three monitoring wells, HW-1, HW-2, and HW-3. The first sampling event was on 23 January 2008 and the second event was on 13 February 2008. The Branch Ditch was sampled once prior to the 2008 SAR season on 13 February 2008. Pre-season sampling was done to better characterize background water quality conditions prior to SAR testing. Water quality data was also collected from the three monitoring wells and surface water during and after the 2008 SAR season. Samples were collected on 08 April 2008 during the 2008 SAR season (which ran from 01 through 15 April) and on 27 May 2008 following the end of season. Additional samples were not collected during the season because of its shortness, only 2 weeks. Sample analysis results are shown in Table 1 and summarized below. Complete laboratory results are reproduced in Appendix B.

General observations with respect to water quality during the 2008 season are as follows:

- Pre-season field pH (Figure 8) for source water was 7.64. Pre-season pH in up-gradient groundwater ranged from 6.51 to 6.59 and down-gradient groundwater ranged between 6.64 and 6.88. During the 2008 SAR season source water pH increased to 7.74 while groundwater pH decreased (ranging from 6.44 to 6.51). Down-gradient groundwater pH during 2008 SAR testing was slightly lower than up-gradient, 6.44 compared to 6.50 and 6.51. Following the end of the 2008 SAR testing, pH increased in all of the wells.
- Electrical conductivity (EC) (Figure 9) in pre-season source water was 1440 micro Siemens per centimeter (mS/cm). In pre-season groundwater, both up- and down-gradient, EC was between 1580 and 1810 mS/cm. During the 2008 SAR season EC in source water decreased, up gradient (HW-2) groundwater EC

increased, and down-gradient groundwater (HW-1 and HW-3) decreased. Following the end of the 2008 SAR season EC in the three wells decreased.

- Nitrate-N (Figure 10) in source water and groundwater before, during, and after the 2008 SAR season generally was low (<2 mg/L). The exceptions to this was observed in the up-gradient well (HW-2) and one down-gradient well (HW-3), both experienced increases to approximately 3.5 mg/L in the February 2008 pre-season sampling event.
- Total dissolved solids (TDS) (Figure 11) concentration in pre-season source water was 115 mg/L, as compared to approximately 85 mg/l during the 2008 SAR season. There was relatively no difference between up- and down-gradient TDS concentrations in pre-season groundwater, with all values ranging from approximately 113 to 137 mg/L. TDS in all three wells were lower during the 2008 SAR recharge season than before it. TDS in down-gradient groundwater and source water declined during the 2008 SAR season. Following the 2008 SAR season TDS decreased in up-gradient groundwater and increased in down-gradient groundwater.
- Chloride (Figure 12) concentrations in source water and all three monitoring wells generally was less than 5 mg/L before, during, and after the 2008 SAR season.
- Soluble reactive phosphorus (SRP) (Figure 13) concentrations in source water and groundwater was higher before the start of the 2008 SAR season, than during the season. The highest pre-season groundwater SRP was measured in well HW-2. Following the start of the 2008 SAR season SRP decreased in source water and groundwater.
- Pre-season, chemical oxygen demand (COD) was generally at, or below, the minimum detection limit (MDL) of 8.0 mg/L, except in source water and in well HW-3 which had a COD of 17 mg/l and 11 mg/L respectively. During 2008 SAR testing, COD values were at, or below, the MDL. Following the 2008 SAR season, COD values above MDL were detected in wells HW-2 (up-gradient) and HW-3 (down-gradient) at 12mg/L and 10mg/L respectively.

For the 2008 SAR season, source water and groundwater generally appear to show

similar field and basic water quality values. Water quality parameter concentrations generally increased and decreased together, although not always by the same amount. This data generally suggests surface water and groundwater, throughout the vicinity of the H-W site, displays a high degree of continuity. Given the depth to groundwater described earlier, this continuity generally is related to surface water bodies leaking into, and recharging, the shallow alluvial aquifer. In addition, the data collected for the 2008 SAR season is interpreted to indicate SAR testing at the H-W site did not degrade groundwater quality.

6.2 SOC Water Quality

Water samples that were analyzed for synthetic organic compounds (SOC) were collected during the 13 February 2008, 08 April 2008, and 27 May 2008 sampling events. Analytical results are presented in Table 2 and are summarized as follows:

- Di(ethylhexyl)-Phthalate was detected at 1.8 ug/L in HW-1 on 8 April 2008 during SAR testing. The data is “suspect” because the field duplicate does not agree with the result.
- There were no other detections of the SOC’s listed in the H-W Monitoring Plan. However, the suite of SOC’s that the laboratory (Edge Analytic) tested for the 2008 SAR season included some SOC’s not called for in the Monitoring Plan. A detection for one of these, bisphenal-A was recorded for well HW-2 in the 27 May 2008, post-season sample.

The SOC data is interpreted to indicate SOC’s are sporadically present in groundwater at very small concentrations. Inconsistent occurrence, both temporally and spatially, and low concentrations suggest these detections represent intermittent background conditions and that H-W site SAR testing has an extremely low, to no, potential to contribute to the presence of these compounds in groundwater.

7.0 - COMPARISONS BETWEEN 2006, 2007, and 2008 SAR TEST SEASONS

This section presents a preliminary qualitative comparison between data collected and observations made during the prior SAR test seasons (2006/2007) and the recently completed 2008 season. In particular:

- As with previous SAR testing seasons, all water delivered to the H-W site was from the ELWW. Water was not diverted from the Walla Walla River for the 2008 SAR testing season.
- The 2008 SAR testing season was not able to begin as early as the 2006 and 2007 seasons and only lasted two weeks. One of the primary reasons for this was ELWW flow at the Stateline Road gauge being less than 3.5 cfs, which is the license mandated minimum flow needed for SAR activity at the H-W site.
- During the 2006 season, most water was delivered to the Hall portion of the H-W site, and during the 2007 season, most water was delivered to the Wentland portion of the H-W site. For the 2008 season most of the water was initially delivered to the Wentland portion of the H-W site, but was later diverted to the Hall portion on 04 April 2008.
- Water levels in down-gradient wells HW-1 and HW-3 experienced maximum rises of approximately 9 feet and 2.5 feet, respectively, in the 2006 season, and 2.5 feet and 2.0 feet, respectively, in the 2007 season. The 2008 season water level changes were similar to those seen in the 2007 season.
- Water levels observed in HW-2 for the 2008 season were similar to those seen during the previous two seasons. In addition, water level changes in HW-2 during all seasons are larger than the other wells.
- Water level changes measured during the 2006, 2007, and 2008 SAR testing seasons in off-site wells suggest that the effects of SAR testing can be seen some distance from the H-W site. The “mound” of water created by SAR testing appears to migrate to the north along the valley of McEvoy Spring Creek. Slight

water level rises seen in MC-11 and MC-12 in 2007 were not observed during the 2008 SAR testing season.

- Both field and basic water quality constituents for source water and groundwater during the 2008 SAR testing season appear to be much like the two previous seasons. There were concentration fluctuations in many constituents, but no discernable trends that occur, other than the apparent close degree of hydrologic continuity between surface water and groundwater.
- SOC's analyses for the 2008 SAR testing season saw intermittent detections of phthalates. This suggests phthalates may be present as part of the general background groundwater chemistry.

8.0 - SUMMARY AND RECOMMENDATIONS

8.1 Summary

This report presents the results of the 2008 SAR testing season at the Hall-Wentland site. This work continued to evaluate the feasibility of using SAR to help restore depleted shallow sediment aquifer groundwater levels and improve flow in spring creeks and streams. SAR at the H-W site is permitted under a Limited License granted by the OWRD. The license authorizes SAR activity for a total of five years, and specifies a recharge season each year extending from November of one calendar year to April of the following year.

The 2008 SAR season discussed in this report was relatively short, beginning on 01 April 2008 and ending on 15 April 2008. For this SAR, project water was diverted from the ELWW and delivered to the H-W site via Wells Ditch. Approximately 15 acre-feet of water was delivered to the H-W site during the 2 week long 2008 SAR season.

The suprabasalt sediment aquifer beneath the H-W site did respond to 2008 SAR testing. Based on data collected during testing, water levels in on-site monitoring wells began to rise within a few hours after the start of testing. It is not known exactly how far

the water table response extends from the H-W site. Down-gradient effects appear to have extended through the off-site wells at least as far north as MC-3, if not all the way to MC-1, MC-2, and the Walla Walla River. Following the end of SAR testing, water levels continued to rise for several days before beginning to fall. At the end of data collection on 15 May 2008, a full month after testing ended, water levels were still above pre-test levels in April 2008.

Based on the field and basic water quality parameters measured to-date, SAR testing activities at the H-W site are interpreted to have not degraded groundwater quality in the H-W site area. This data does suggest a high degree of hydraulic continuity between local surface water and groundwater. Data also indicates that surface water bodies in the immediate H-W site area generally loose water to the underlying shallow alluvial aquifer system. A few SOC's were detected intermittently. However, the timing of these detections suggests that they were not caused by SAR testing and the measured concentrations represent background concentrations related to off-site activities.

8.2 Recommendations

Based on the results of the 2008 SAR testing season described in this report, we have several recommendations for changes to the H-W site operation and testing for the 2008/2009 recharge seasons. These include:

- Conduct one or more infiltration tests on the H-W site to better constrain on-site infiltration rates.
- Add additional water wells to the manually measured water well network in the up-gradient direction.
- Conduct an aquifer test in at least one of the existing off-site wells, if one suitable for testing can be found and access secured. If done, the selected well should be open to the majority of the Mio-Pliocene upper coarse unit, be accessible for the installation of a digital transducer, and be as close to the H-W site as possible. Such a test would require the cooperation of the well owner. This test would generate aquifer property data that is currently unavailable.
- Following the end of the 2008/2009 recharge season prepare a final report that

will focus on summarizing all data collected since the beginning of the project, analyze SAR performance, and make recommendations for future operations.

Longer term recommendations, all requiring additional funding, include:

- Expand the size and capacity of the ELWW and Wells Ditch system.
- Address WWRID concerns (with physical structures and/or regulatory exclusions) regarding false fish attraction issues to the introduction of Walla Walla River water to the ELWW and Wells Ditch system.

9.0 - REFERENCES CITED

GSI, 2007, Project Completion Report for Shallow Aquifer Recharge Testing at the Hall-Wentland Site, Umatilla County, Oregon and Walla Walla County, Washington.

Consultants report prepared for Walla Walla County Watershed Planning Department, 14 Pages, 2 Tables, 14 Figures, 3 Appendices.

Kennedy/Jenks, 2005, Proposed SAR Monitoring and Test Plan, Hall-Wentland Site, Umatilla County, Oregon, Revision 3. Consultants report prepared for HDR/EES, Nov. 2005, 18 Pages, 1 Table, 7 Figures.

Kennedy/Jenks, 2006, Results of the First Season of Shallow Aquifer Recharge Testing at the Hall-Wentland Site, Umatilla County, Oregon and Walla Walla County, Washington. Consultants report prepared for HDR, Inc., 23 June 2006, 35 Pages, 5 Tables, 34 Figures, 4 Appendices.

Tables

Sample ID	Date	Lab No.	pH	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO ₃ -N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)	COD (mg/L)
Surface	2/13/2008	4105	7.64	6.9	1440	5.89	0.780	58.80	115.0	2.000	0.310	17
Surface	4/8/2008	10001	7.74	NR	1150	9.90	0.380	39.30	85.0	1.500	0.180	< 8

Sample ID	Date	Lab No.	pH	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO ₃ -N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)	COD (mg/L)
HW-1	1/23/2008	2120	NR	11.1	1810	NR	2.000	67.20	126.0	3.200	NR	< 8
HW-1	2/13/2008	4102	6.67	12.7	1750	0.98	1.820	69.20	137.0	2.800	0.310	< 8
HW-1	4/8/2008	9998	6.51	12.9	1640	1.98	1.160	50.20	77.0	2.500	0.220	< 8
HW-1	5/27/2008	15131	6.75	14.3	1630	0.56	1.030	61.20	122.0	2.400	0.240	< 8

Sample ID	Date	Lab No.	pH	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO ₃ -N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)	COD (mg/L)
HW-2	1/23/2008	2121	6.51	8.0	1800	5.43	0.940	67.70	125.0	2.200	0.340	< 8
HW-2	2/13/2008	4103	6.59	12.5	1780	0.88	3.460	72.90	137.0	5.000	0.340	< 8
HW-2	4/8/2008	9999	6.44	13.1	1820	11.50	0.800	61.90	131.0	2.100	0.260	< 8
HW-2	5/27/2008	15132	6.61	13.0	1350	1.24	0.840	48.60	112.0	1.600	0.250	12

Sample ID	Date	Lab No.	pH	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO ₃ -N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)	COD (mg/L)
HW-3	1/23/2008	2122	6.88	11.0	1580	29.00	1.210	64.20	113.0	2.600	0.290	11
HW-3	2/13/2008	4104	6.64	11.8	1610	6.94	3.610	63.20	130.0	5.100	0.290	< 8
HW-3	4/8/2008	10000	6.50	13.0	1570	0.43	1.120	64.40	112.0	1.500	0.210	< 8
HW-3	5/27/2008	15133	6.74	14.4	1520	8.45	1.110	61.80	120.0	2.300	0.230	10

NR: not recorded

Table 1. Field and basic water quality results for the 2008 SAR season.

Date	2/13/2008	2/13/2008	2/13/2008	2/13/2008
Well ID	HW-1	HW-2	HW-3	Surface
Chemical				
Carbamates in Drinking water				
Carbofuran	ND	ND	ND	ND
Oxymal	ND	ND	ND	ND
3-Hydroxycabofuran	ND	ND	ND	ND
Aldicarb	ND	ND	ND	ND
Aldicarb sulfone	ND	ND	ND	ND
Aldicarb sulfoxide	ND	ND	ND	ND
Carbaryl	ND	ND	ND	ND
Methomyl	ND	ND	ND	ND
Propoxur (Baygon)	ND	ND	ND	ND
Methiocarb	ND	ND	ND	ND
Synthetic Organic Compounds				
Endrin	ND	ND	ND	ND
Lindane (BHC-Gamma)	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND
Alachlor	ND	ND	ND	ND
Atrazine	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Chlordane Technical	ND	ND	ND	ND
Di(ethylhexyl)-Adipate	ND	ND	ND	ND
Di(ethylhexyl)-phthalate	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND
Heptachlor Epoxide A&B	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Hexachlorocyclo-Pentadiene	ND	ND	ND	ND
Simazine	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND
Butachlor	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND
Metolachlor	ND	ND	ND	ND
Metribuzin	ND	ND	ND	ND
Propachlor	ND	ND	ND	ND
Bromacil	ND	ND	ND	ND
Prometon	ND	ND	ND	ND
Terbacil	ND	ND	ND	ND
Diazinon	ND	ND	ND	ND
EPTC	ND	ND	ND	ND
4,4-DDD	ND	ND	ND	ND
4,4-DDE	ND	ND	ND	ND
4,4-DDT	ND	ND	ND	ND
Cyanazine	ND	ND	ND	ND
Malathion	ND	ND	ND	ND
Trifluralin	ND	ND	ND	ND
Napthalene	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Benzo(A)anthracene	ND	ND	ND	ND
Benzo(B)fluoranthene	ND	ND	ND	ND
Benzo(G,H,I)perylene	ND	ND	ND	ND
Benzo(K)fluoranthene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Dibenzo(A,H)anthracene	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Benzyl Butyl Phthalate	ND	ND	ND	ND
Di-N-Butyl Phthalate	ND	ND	ND	ND
Diethyl Phthalate	ND	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND
Aroclor 1016	ND	ND	ND	ND
Herbicides in Drinking Water				
2,4-D	ND	ND	ND	ND
2,4,5-TP (Silvex)	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND
Dalapon	ND	ND	ND	ND
Dinoseb	ND	ND	ND	ND
Picloram	ND	ND	ND	ND
Dicamba	ND	ND	ND	ND
2,4 DB	ND	ND	ND	ND
2,4,5 T	ND	ND	ND	ND
Bentazon	ND	ND	ND	ND
Dichlorprop	ND	ND	ND	ND
Actiflorin	ND	ND	ND	ND
Dacthal (DCPA)	ND	ND	ND	ND
3,5-Dichlorobenzoic Acid	ND	ND	ND	ND
Velpar (hexazinone)	ND	ND	ND	ND
Bronate (bromoxynil)	ND	ND	ND	ND
Gramoxone (paraquat)	ND	ND	ND	ND

Table 2. SOC results for the 2008 SAR season.

Date	4/8/2008	4/8/2008	4/8/2008	4/8/2008
Well ID	HW-1	HW-2	HW-3	Surface
Chemical				
Carbamates in Drinking water				
Carbofuran	ND	ND	ND	ND
Oxymal	ND	ND	ND	ND
3-Hydroxycabofuran	ND	ND	ND	ND
Aldicarb	ND	ND	ND	ND
Aldicarb sulfone	ND	ND	ND	ND
Aldicarb sulfoxide	ND	ND	ND	ND
Carbaryl	ND	ND	ND	ND
Methomyl	ND	ND	ND	ND
Propoxur (Baygon)	ND	ND	ND	ND
Methiocarb	ND	ND	ND	ND
Synthetic Organic Compounds				
Endrin	ND	ND	ND	ND
Lindane (BHC-Gamma)	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND
Alachlor	ND	ND	ND	ND
Atrazine	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Chlordane Technical	ND	ND	ND	ND
Di(ethylhexyl)-Adipate	ND	ND	ND	ND
Di(ethylhexyl)-phthalate	1.8*	ND	ND	ND
Heptachlor	ND	ND	ND	ND
Heptachlor Epoxide A&B	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Hexachlorocyclo-Pentadiene	ND	ND	ND	ND
Simazine	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND
Butachlor	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND
Metolachlor	ND	ND	ND	ND
Metribuzin	ND	ND	ND	ND
Propachlor	ND	ND	ND	ND
Bromacil	ND	ND	ND	ND
Prometon	ND	ND	ND	ND
Terbacil	ND	ND	ND	ND
Diazinon	ND	ND	ND	ND
EPTC	ND	ND	ND	ND
4,4-DDD	ND	ND	ND	ND
4,4-DDE	ND	ND	ND	ND
4,4-DDT	ND	ND	ND	ND
Cyanazine	ND	ND	ND	ND
Malathion	ND	ND	ND	ND
Trifluralin	ND	ND	ND	ND
Napthalene	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Benz(A)anthracene	ND	ND	ND	ND
Benz(B)fluoranthene	ND	ND	ND	ND
Benzo(G,H,I)perylene	ND	ND	ND	ND
Benzo(K)fluoranthene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Dibenzo(A,H)anthracene	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Benzyl Butyl Phthalate	ND	ND	ND	ND
Di-N-Butyl Phthalate	ND	ND	ND	ND
Diethyl Phthalate	ND	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND
Aroclor 1016	ND	ND	ND	ND
Herbicides in Drinking Water				
2,4-D	ND	ND	ND	ND
2,4,5-TP (Silvex)	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND
Dalapon	ND	ND	ND	ND
Dinoseb	ND	ND	ND	ND
Picloram	ND	ND	ND	ND
Dicamba	ND	ND	ND	ND
2,4 DB	ND	ND	ND	ND
2,4,5 T	ND	ND	ND	ND
Bentazon	ND	ND	ND	ND
Dichlorprop	ND	ND	ND	ND
Actiflorin	ND	ND	ND	ND
Dacthal (DCPA)	ND	ND	ND	ND
3,5-Dichlorobenzoic Acid	ND	ND	ND	ND
Velpar (hexazinone)	ND	ND	ND	ND
Bronate (bromoxynil)	ND	ND	ND	ND
Gramoxone (paraquat)	ND	ND	ND	ND

* - Data is "suspect", the field duplicate sample does not agree

Table 2 (continued)

Date	5/27/2008	5/27/2008	5/27/2008
Well ID	HW-1	HW-2	HW-3
Chemical			
Carbamates in Drinking water			
Carbofuran	ND	ND	ND
Oxymal	ND	ND	ND
3-Hydroxycabofuran	ND	ND	ND
Aldicarb	ND	ND	ND
Aldicarb sulfone	ND	ND	ND
Aldicarb sulfoxide	ND	ND	ND
Carbaryl	ND	ND	ND
Methomyl	ND	ND	ND
Propoxur (Baygon)	ND	ND	ND
Methiocarb	ND	ND	ND
Synthetic Organic Compounds			
Endrin	ND	ND	ND
Lindane (BHC-Gamma)	ND	ND	ND
Methoxychlor	ND	ND	ND
Alachlor	ND	ND	ND
Atrazine	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND
Chlordane Technical	ND	ND	ND
Di(ethylhexyl)-Adipate	ND	ND	ND
Di(ethylhexyl)-phthalate	ND	ND	ND
Heptachlor	ND	ND	ND
Heptachlor Epoxide A&B	ND	ND	ND
Hexachlorobenzene	ND	ND	ND
Hexachlorocyclo-Pentadiene	ND	ND	ND
Simazine	ND	ND	ND
Aldrin	ND	ND	ND
Butachlor	ND	ND	ND
Dieldrin	ND	ND	ND
Metolachlor	ND	ND	ND
Metribuzin	ND	ND	ND
Propachlor	ND	ND	ND
Bromacil	ND	ND	ND
Prometon	ND	ND	ND
Terbacil	ND	ND	ND
Diazinon	ND	ND	ND
EPTC	ND	ND	ND
4,4-DDD	ND	ND	ND
4,4-DDE	ND	ND	ND
4,4-DDT	ND	ND	ND
Cyanazine	ND	ND	ND
Malathion	ND	ND	ND
Trifluralin	ND	ND	ND
Napthalene	ND	ND	ND
Fluorene	ND	ND	ND
Acenaphthylene	ND	ND	ND
Acenaphthene	ND	ND	ND
Anthracene	ND	ND	ND
Benz(A)anthracene	ND	ND	ND
Benzo(B)fluoranthene	ND	ND	ND
Benzo(G,H,I)perylene	ND	ND	ND
Benzo(K)fluoranthene	ND	ND	ND
Chrysene	ND	ND	ND
Dibenzo(A,H)anthracene	ND	ND	ND
Fluoranthene	ND	ND	ND
Indeno(1,2,3-CD)pyrene	ND	ND	ND
Phenanthrene	ND	ND	ND
Pyrene	ND	ND	ND
Benzyl Butyl Phthalate	ND	ND	ND
Di-N-Butyl Phthalate	ND	ND	ND
Diethyl Phthalate	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND
Toxaphene	ND	ND	ND
Aroclor 1221	ND	ND	ND
Aroclor 1232	ND	ND	ND
Aroclor 1242	ND	ND	ND
Aroclor 1248	ND	ND	ND
Aroclor 1254	ND	ND	ND
Aroclor 1260	ND	ND	ND
Aroclor 1016	ND	ND	ND
Herbicides in Drinking Water			
2,4-D	ND	ND	ND
2,4,5-TP (Silvex)	ND	ND	ND
Pentachlorophenol	ND	ND	ND
Dalapon	ND	ND	ND
Dinoseb	ND	ND	ND
Picloram	ND	ND	ND
Dicamba	ND	ND	ND
2,4 DB	ND	ND	ND
2,4,5 T	ND	ND	ND
Bentazon	ND	ND	ND
Dichlorprop	ND	ND	ND
Actiflorin	ND	ND	ND
Dacthal (DCPA)	ND	ND	ND
3,5-Dichlorobenzoic Acid	ND	ND	ND
Velpar (hexazinone)	ND	ND	ND
Bronate (bromoxynil)	ND	ND	ND
Gramoxone (paraquat)	ND	ND	ND

Table 2 (continued)

Figures

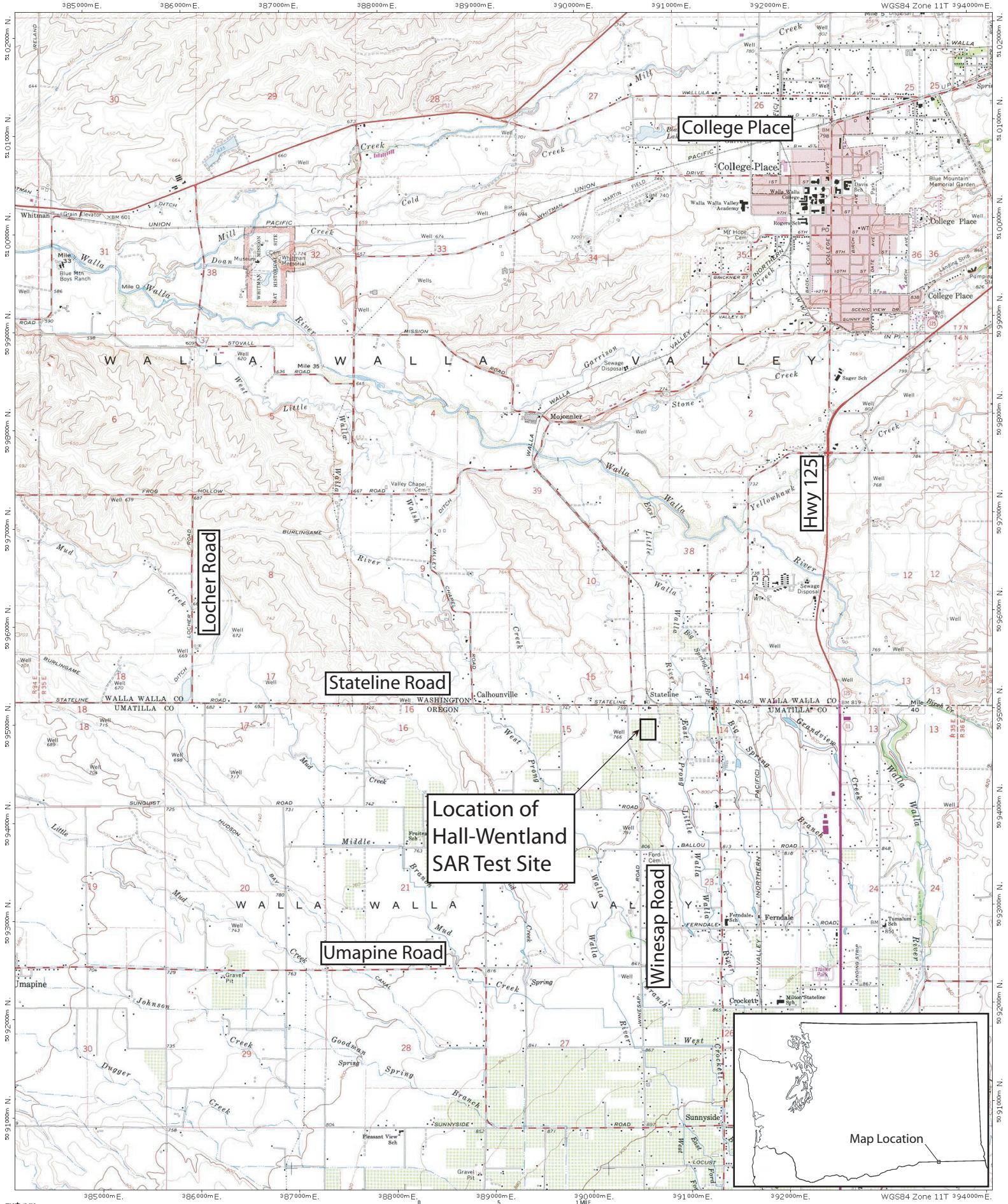


Figure 1. Area and regional setting.



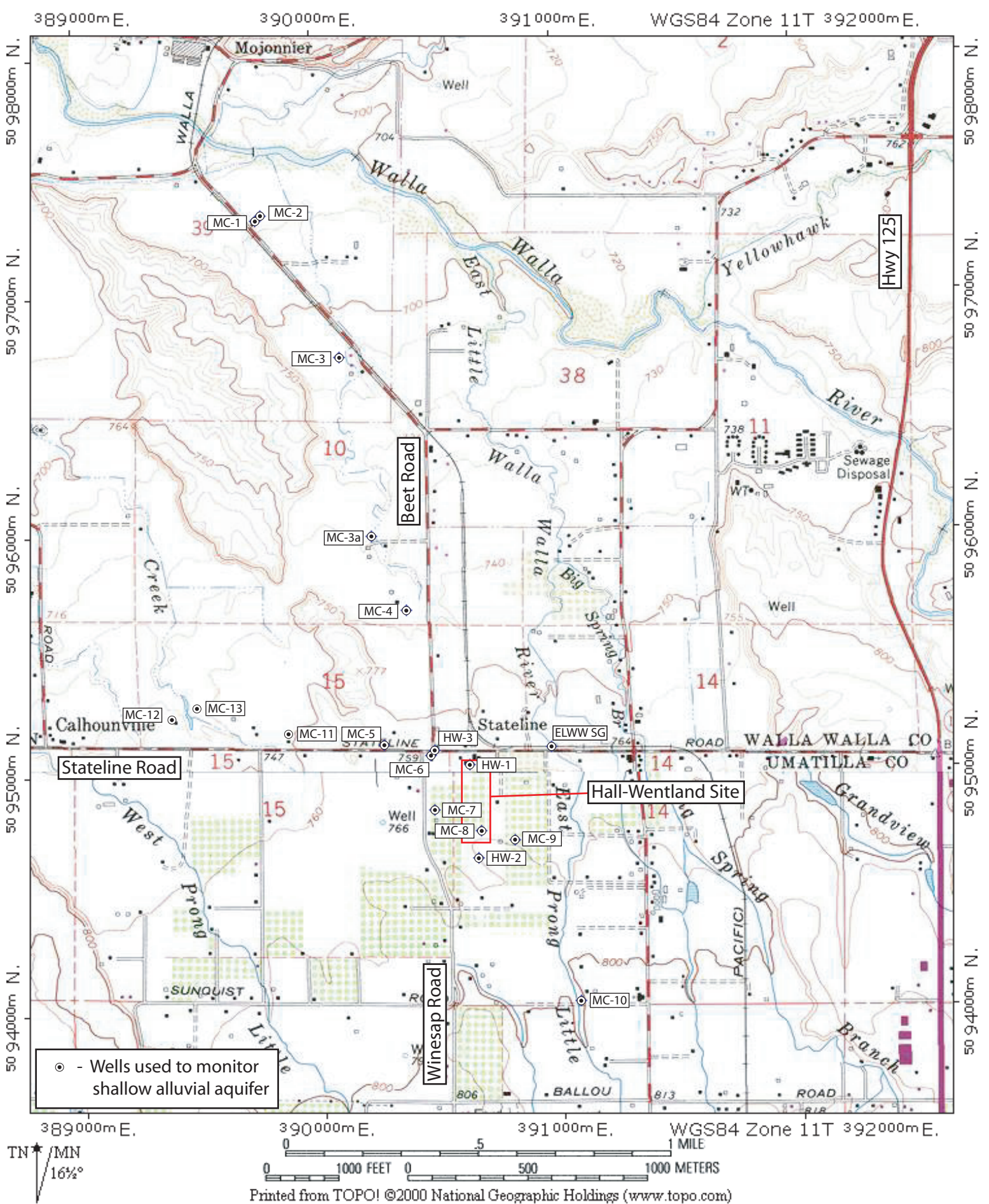


Figure 2. Local setting, including location of off-site wells used for water level monitoring and onsite wells used for water level and water quality monitoring.

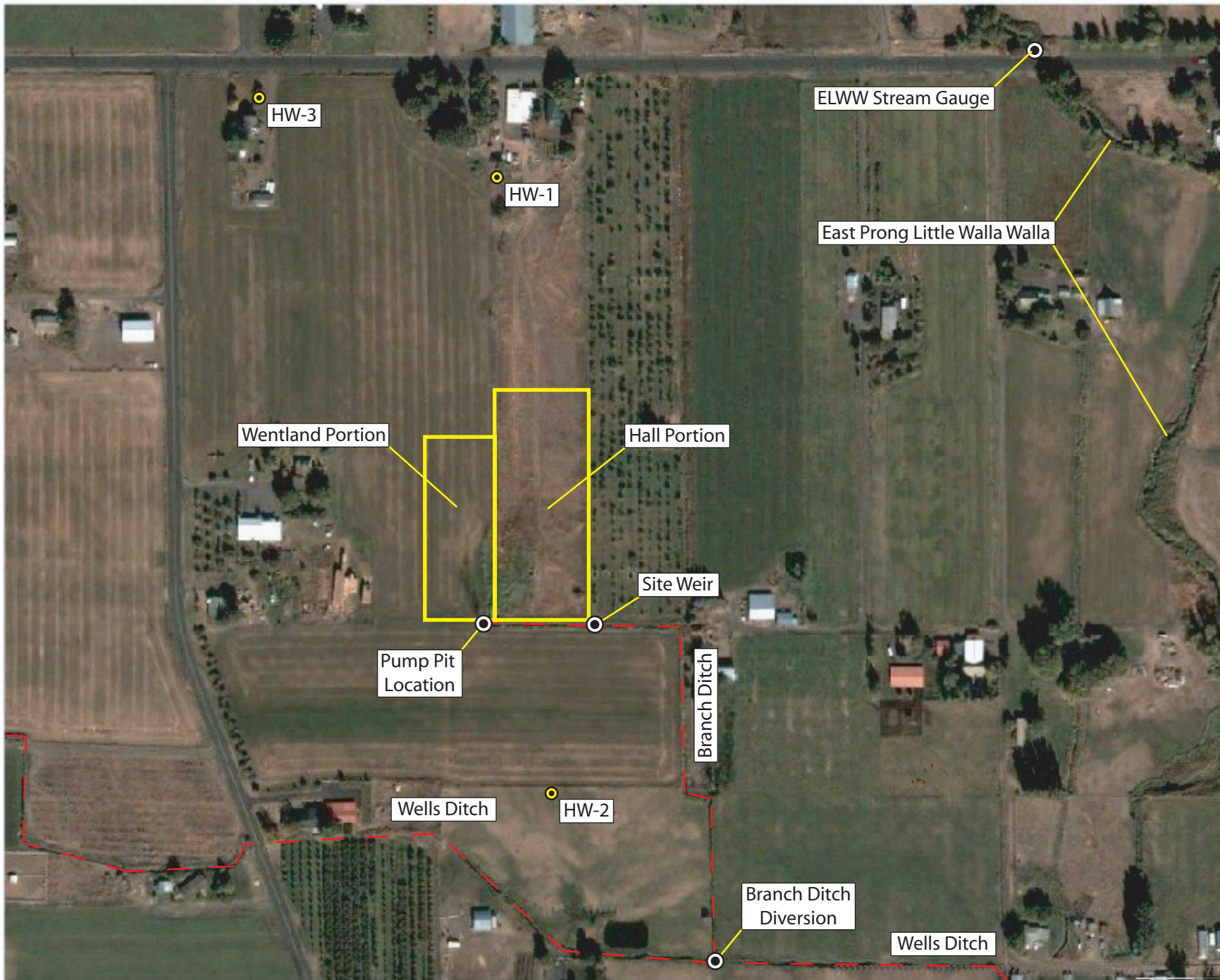


Figure 3. Local setting, showing ditches, site boundaries, and location of water quality monitoring wells.

Hall-Wentland Surface Water Monitoring

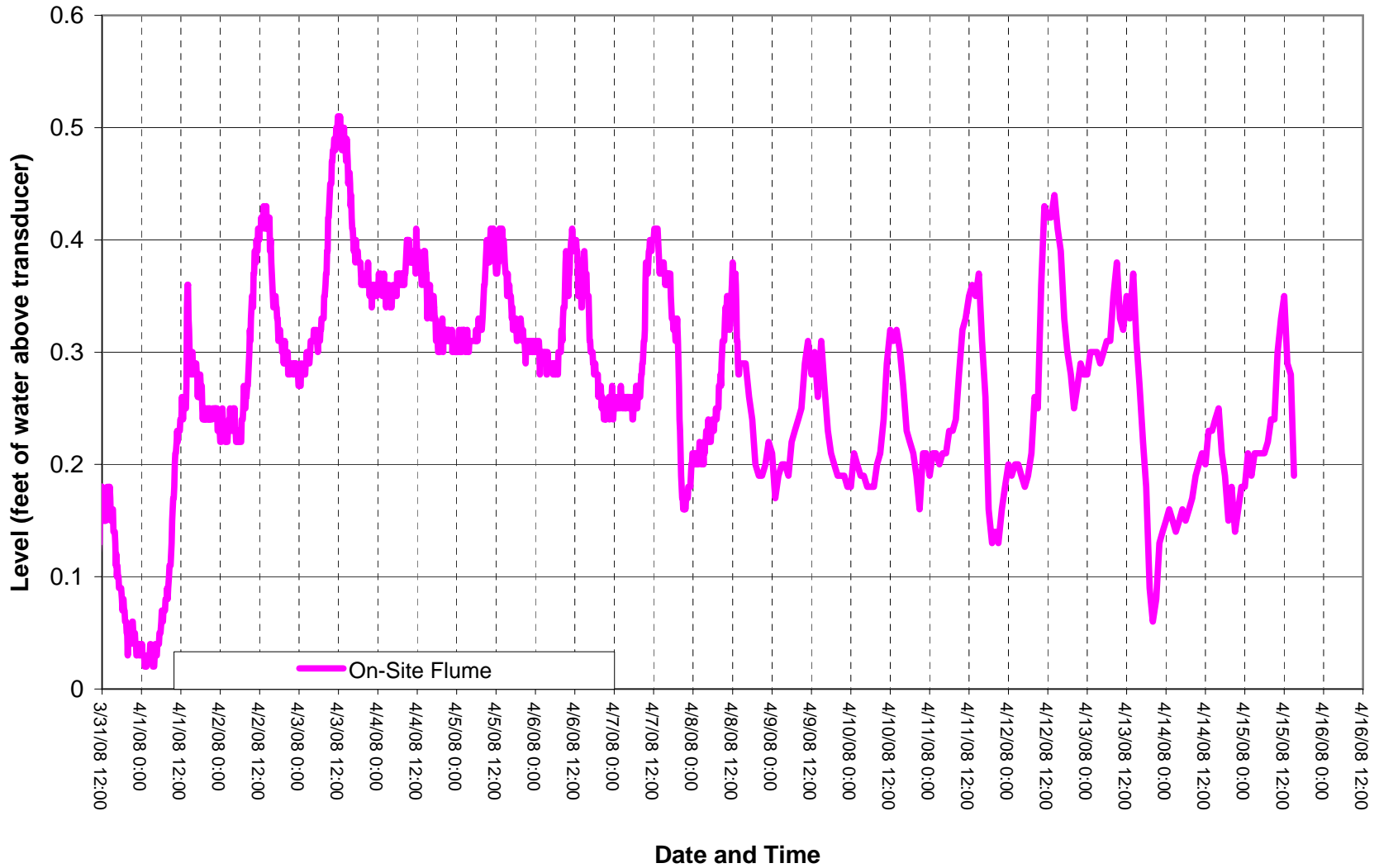


Figure 4. Depth of water measured at transducer attached to the on-site ramp flume during the 2008 SAR season.

Calculated flow

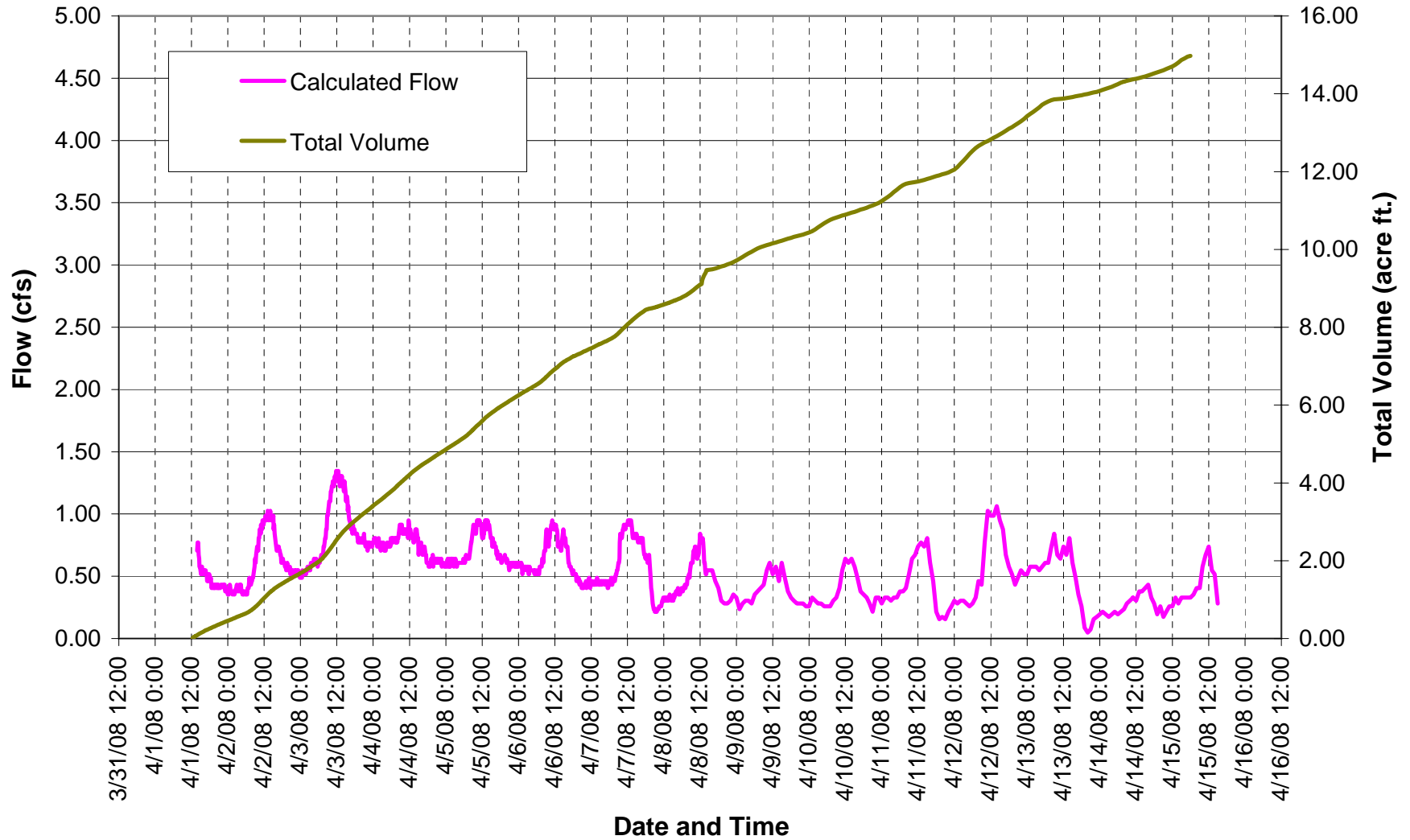


Figure 5. Calculated instantaneous flow through the on-site ramp flume and total acre-feet delivered to the H-W Site during the 2008 SAR season.

Hall-Wentland Water Level Monitoring

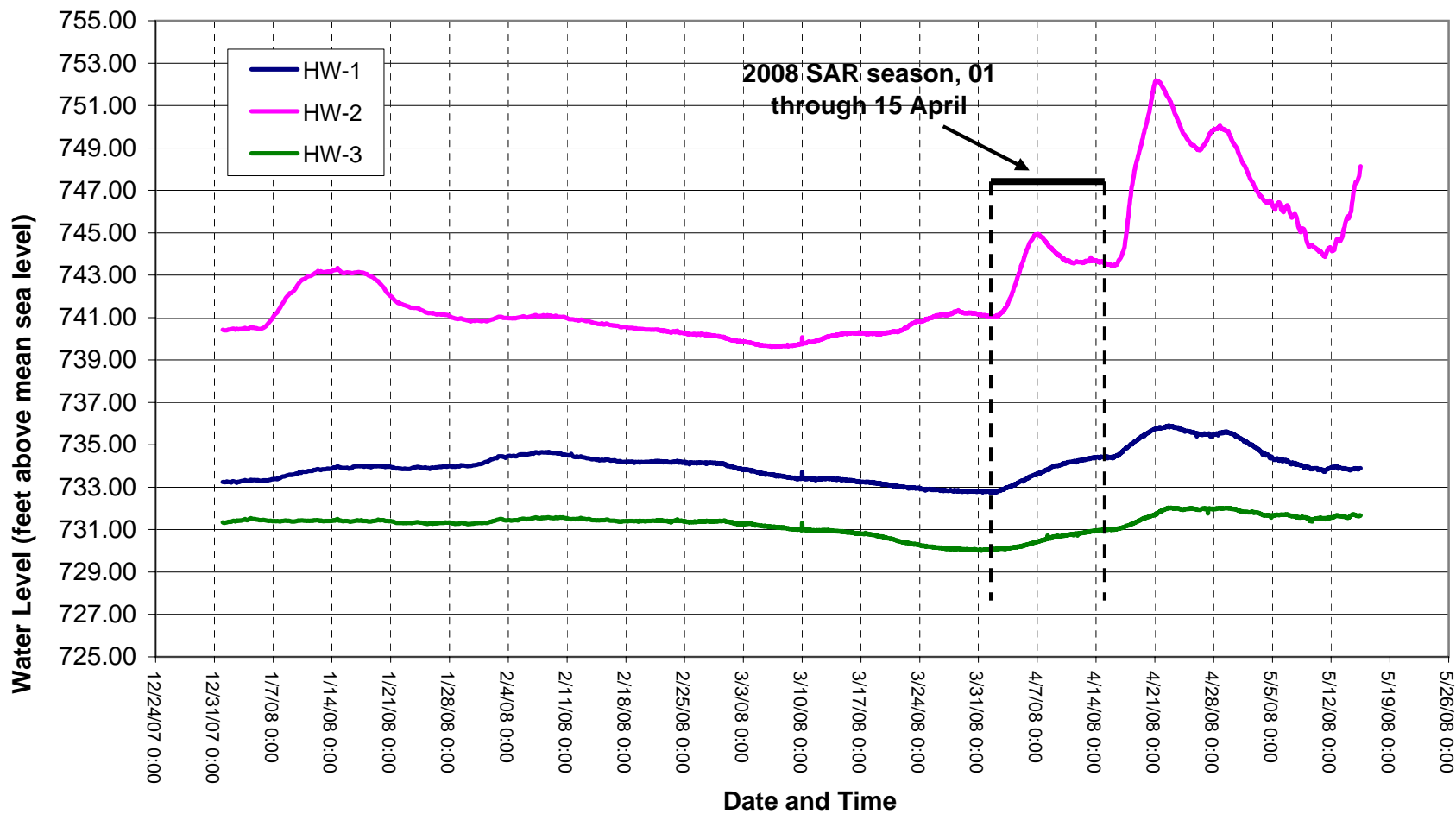


Figure 6. Water levels in feet amsl before, during, and after the 2008 SAR season in the three H-W site monitoring wells.

Off-Site wells, 2008 Recharge Season

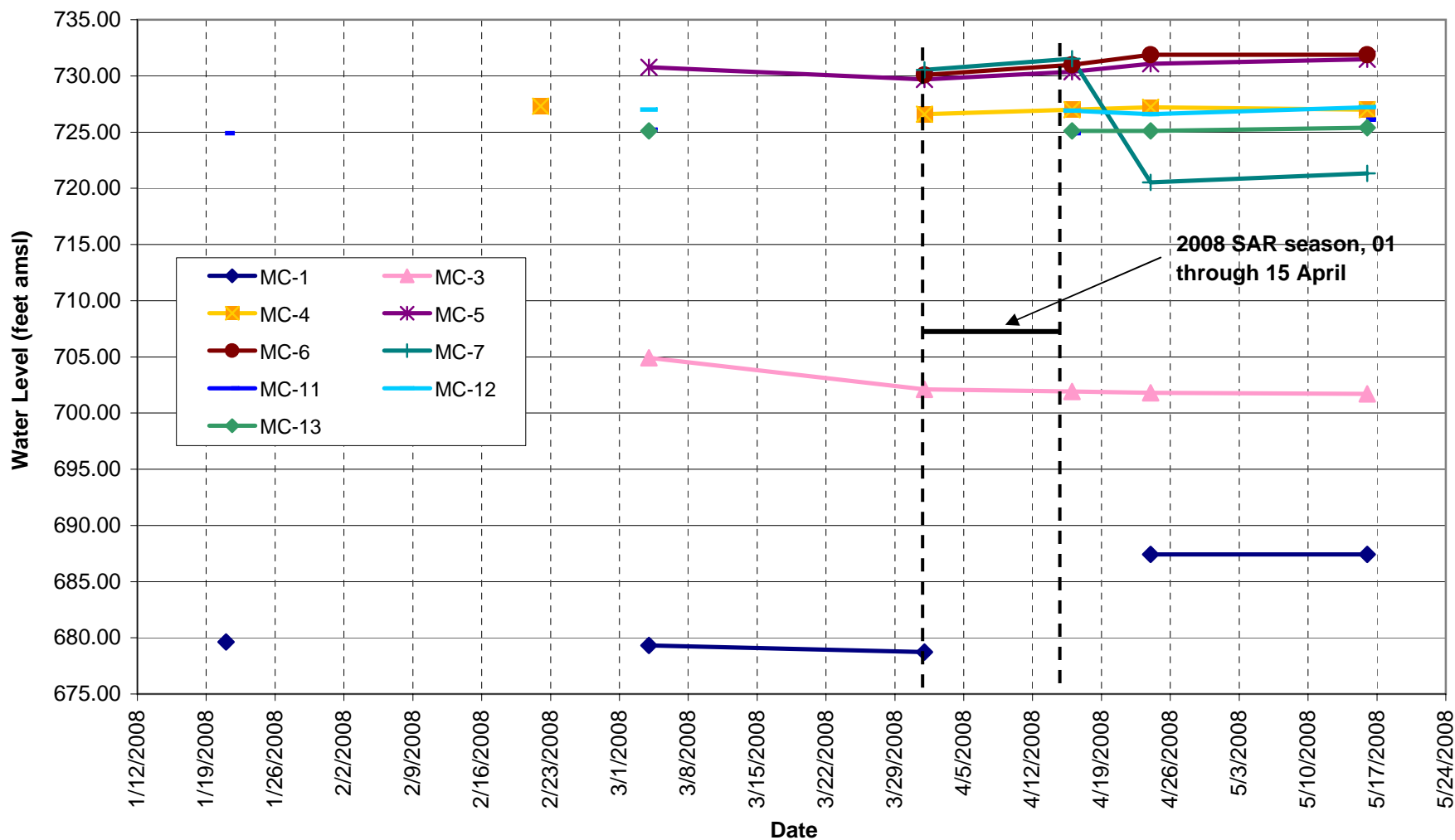


Figure 7. Manually measured water levels in feet amsl for the off-site wells during the 2008 SAR season.

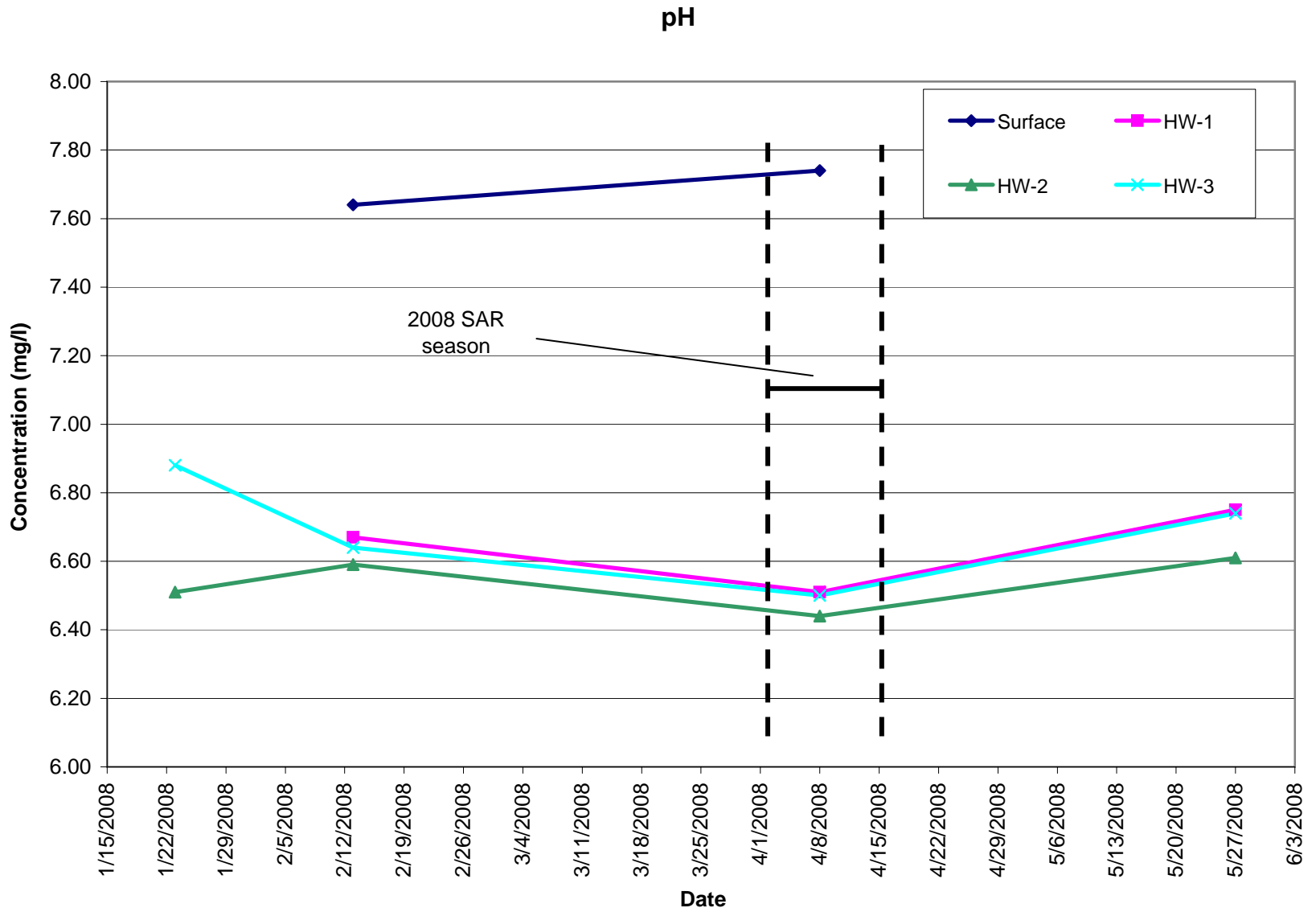


Figure 8. Source water and groundwater pH during the 2008 SAR season.

Electrical Conductivity

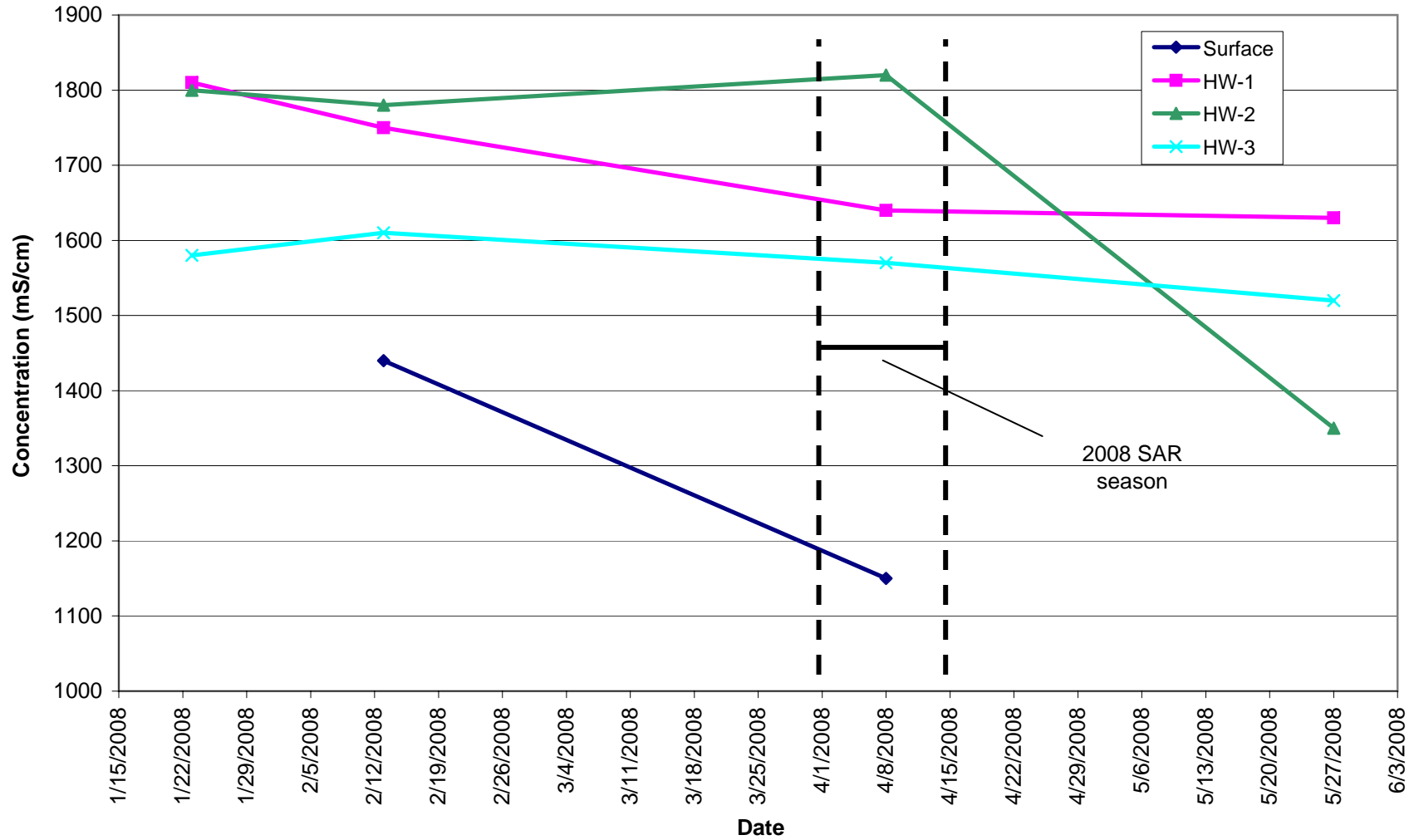


Figure 9. Electrical conductance (EC) in source water and groundwater during the 2008 SAR season.

nitrate-N

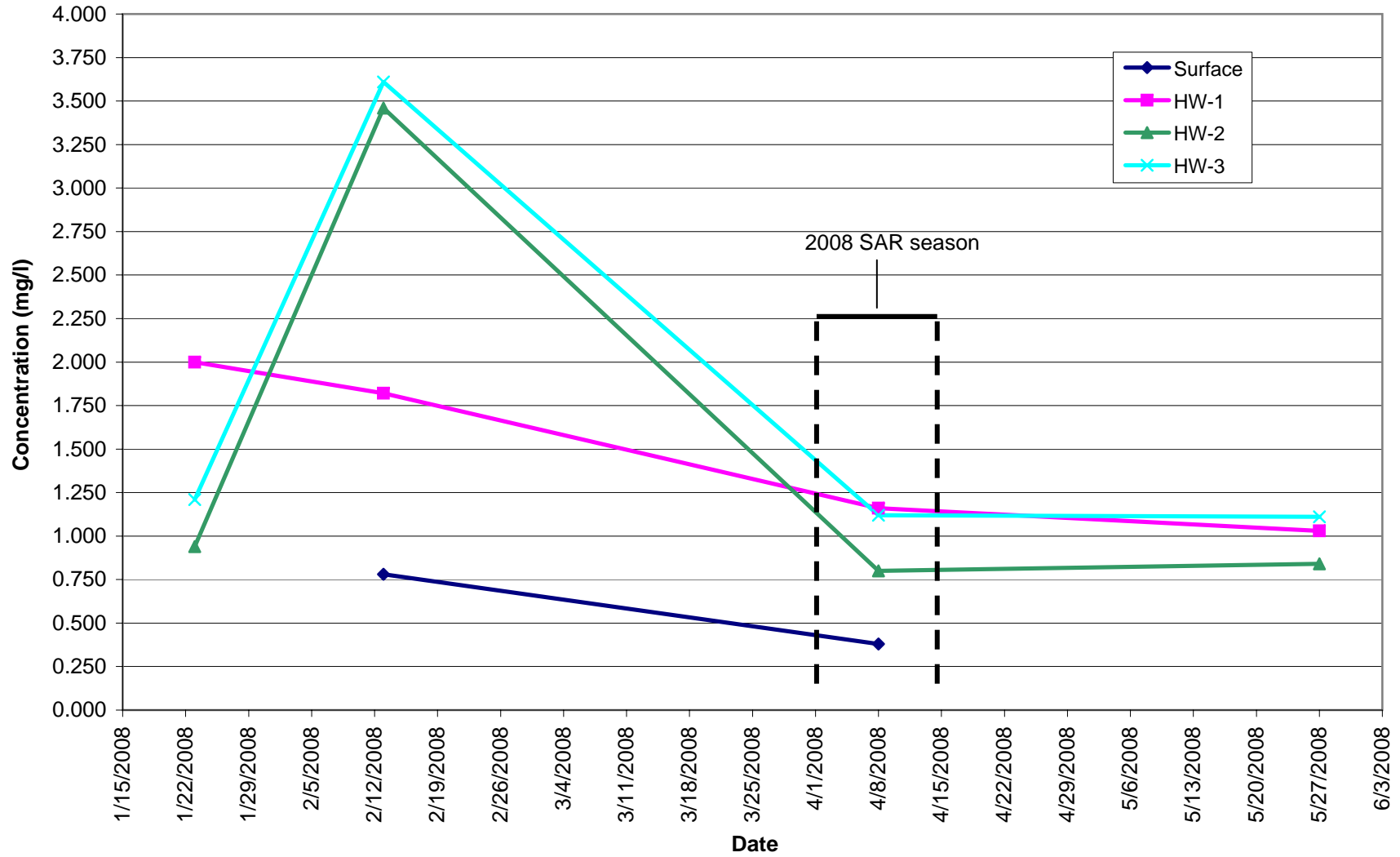


Figure 10. Nitrate-N concentrations in source water and groundwater during the 2008 SAR season.

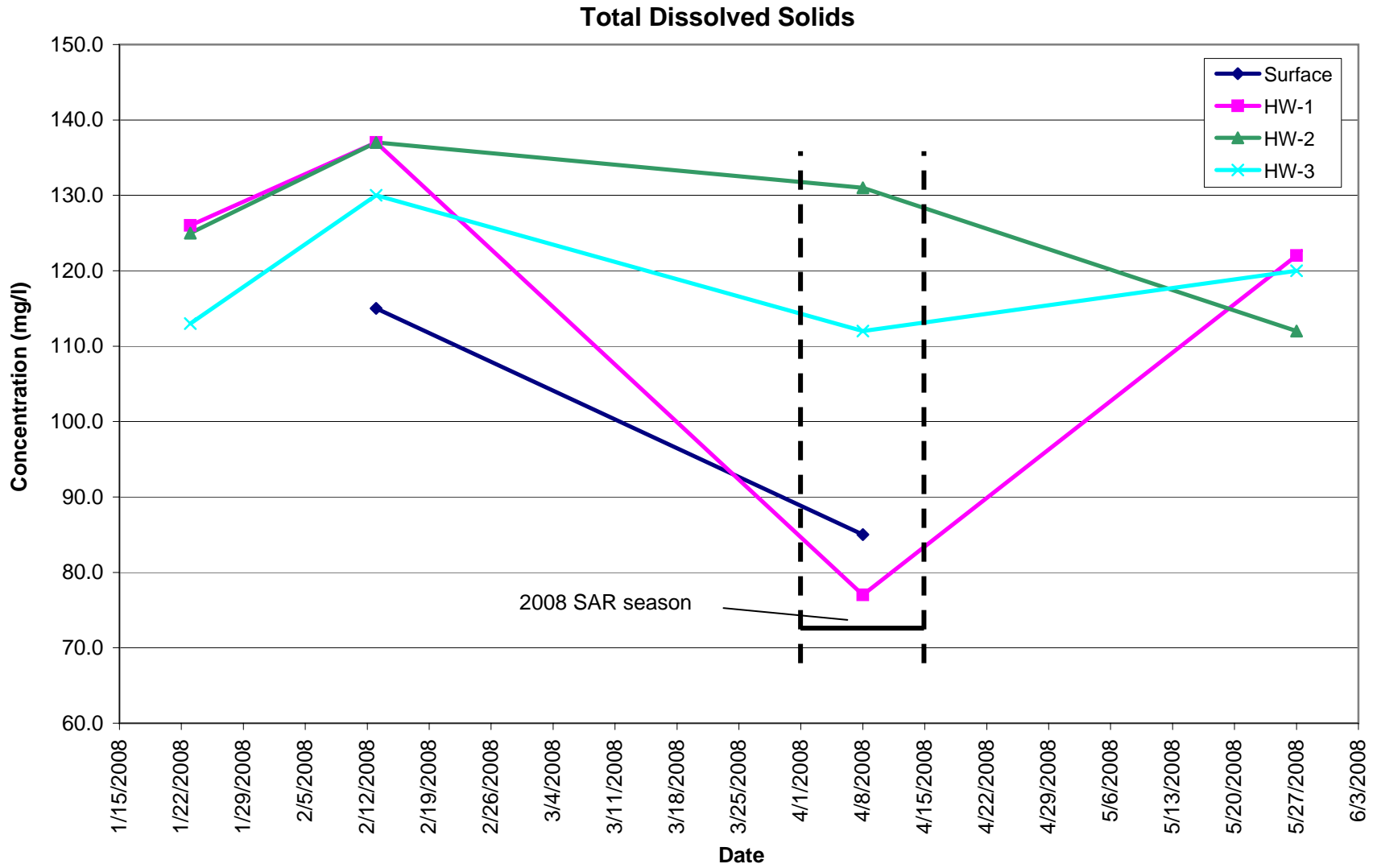


Figure 11. Total dissolved solids (TDS) in source water and groundwater during the 2008 SAR season.

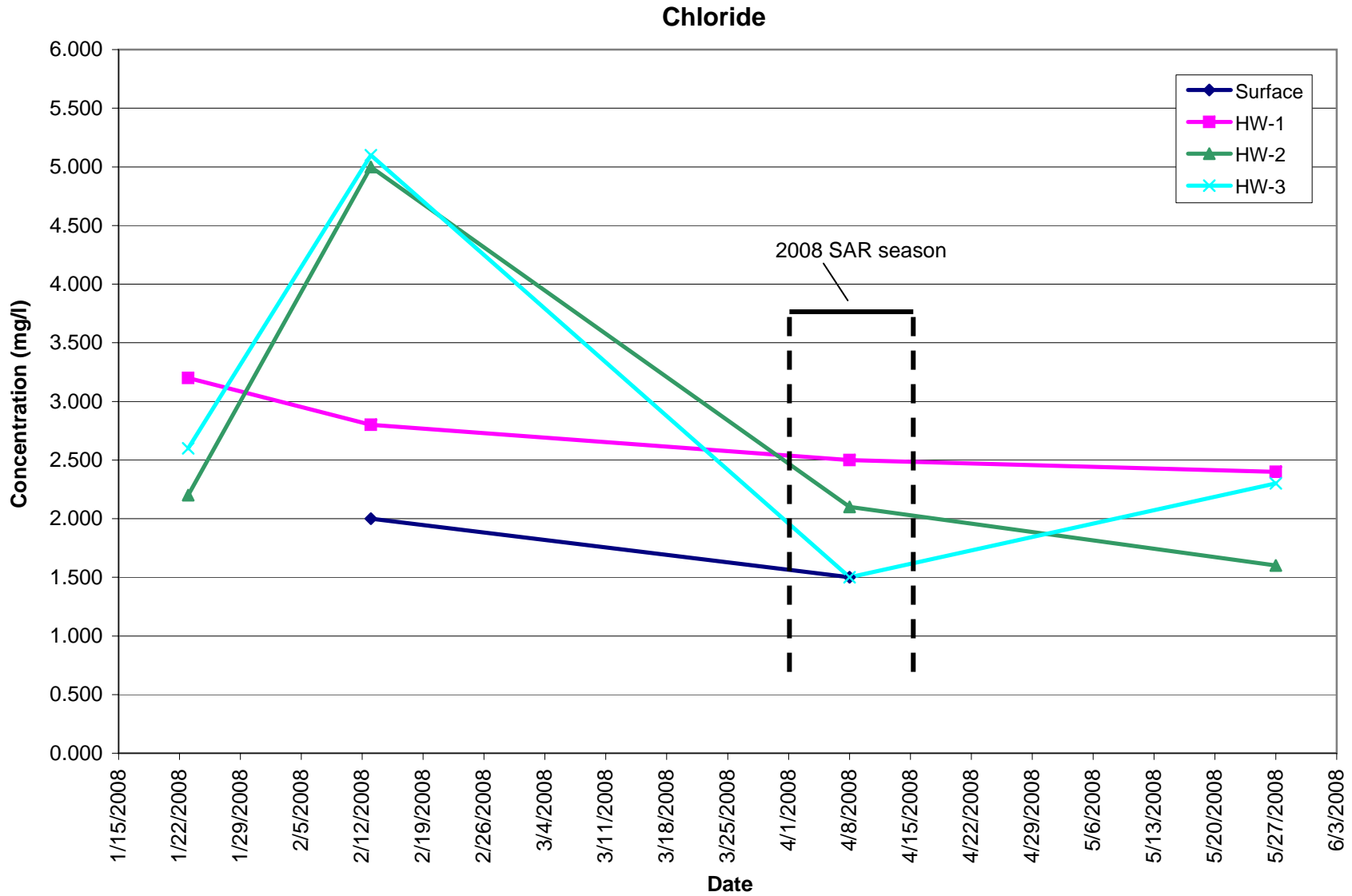


Figure 12. Chloride concentrations in source water and groundwater during the 2008 SAR season.

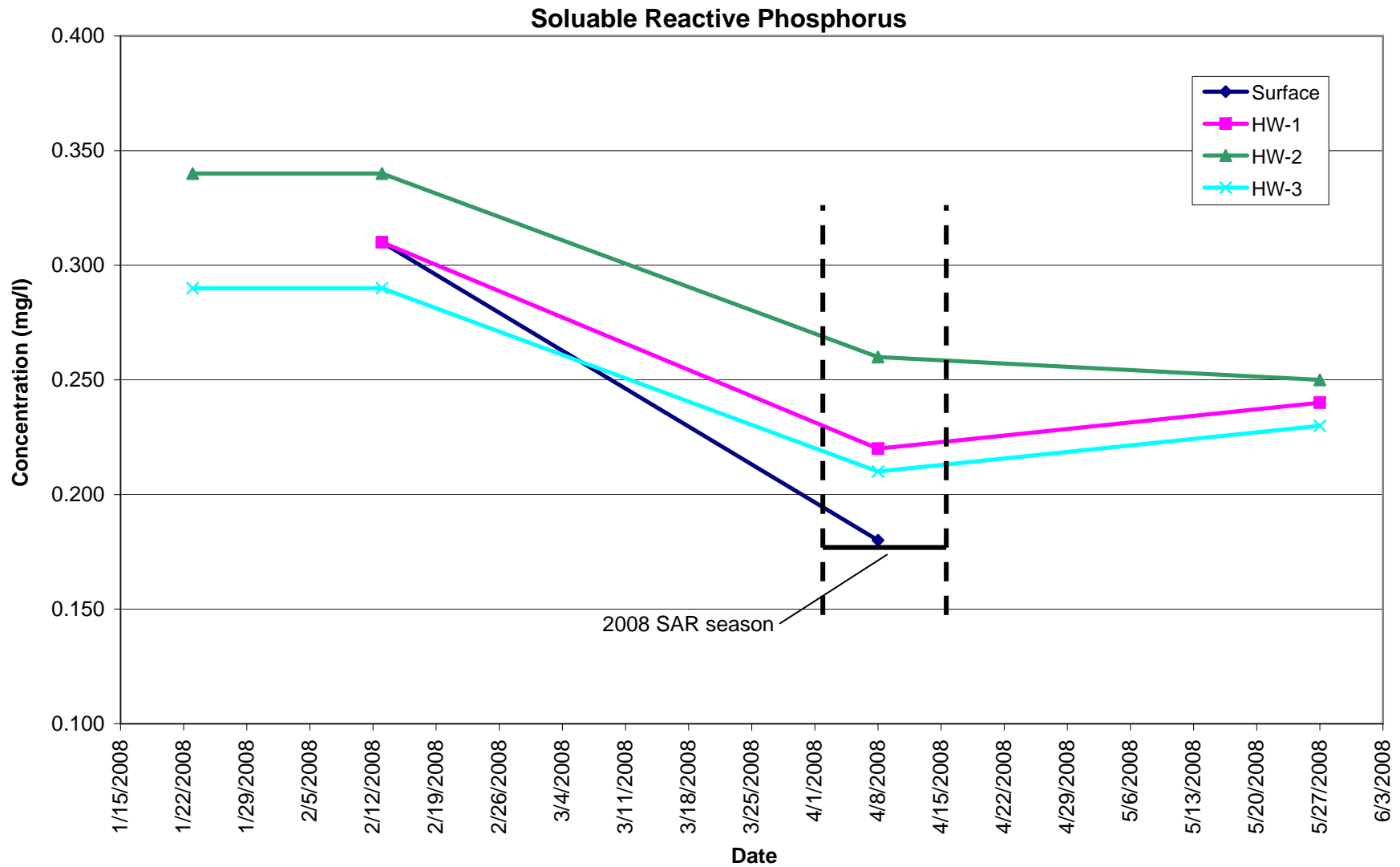


Figure 13. Soluble reactive phosphorus (srp) in source water and groundwater during the 2008 SAR season.

Appendix A

Field Notes

5/4/07

on site 11:40

HW-1 - DTW - 25.34' 11:51

HW-1 - 764

HW-2 - 771

HW-3 - 757

L-1 - 676

L-2 - 663

L-3 - 673

HW-3 - DTW - 21.22' 12:17

HW-2 - DTW - 16.91' 12:42

2/21/08

on site 13:00

HW-1 DTW - 29.41' TOC 13:04

downloaded and reset
to the readings starting
@ 4:00PM

HW-3 DTW - 25.53' TOC 13:32

downloaded and reset to
the readings start 4:00PM

HW-2 DTW - 30.41' TOC 13:41

download and reset to
the readings start @ 4:00PM

2/25/08

JT, Tom Paige, John Fazio
on site 14:00

ELWW gauge = 0.52 13:50

Fish screen in place and
wear ^{structure} boards in place without
all boards

transducer in place start @ 500
still gauge reads 0.19

inside weir in place
transducer in place
on weir is 40' below pipe drop
weir gauge reads 0.165

3/11/08

ELWW Gauge 0.52 13:25

3/17/08

ELWV gauge - 0.52

diversion spill - 0.20'

downland transducer @ 13:40

HW-3 - 26.15' TDC 1355

on side flume - 0.05 cfs

down loaded @ 1401

HW-2 - 30.53' TDC 14:13

HW-1 - 30.35' TDC 14:21

3/27/08

ELWV gauge @ 0.168

4/1/07

official start of recharge
 diversion start @ 1:1

very little to no flow
 over weir

added 2 in board ~ 13:50
 on Lebar side of dn

Fred Busquez

on site staff 0.13 14:45
 flume 0.2 cfs

staff 0.17 14:59
 flume 0.25 cfs

staff 0.19 15:15
 flume 0.3

Staff gauge reading 0.82 + 10 pm

0	0	0
0.50	0.50	0.5
1.0	1.0	1.0
1.5	1.5	1.5
2.0	2.0	2.0
2.5	2.5	2.5
3.0	3.0	3.0
3.5	3.5	3.5
4.0	4.0	4.0
4.5	4.5	4.5
5.0	5.0	5.0
5.5	5.5	5.5
6.0	6.0	6.0
6.5	6.5	6.5
7.0	7.0	7.0
7.5	7.5	7.5
8.0	8.0	8.0
8.5	8.5	8.5
9.0	9.0	9.0
9.5	9.5	9.5
10.0	10.0	10.0

1:00 - 1:10
 depth
 staff

4/15/08

between the 4/4 and 4/7
water was changed from
wetland field to Hall pasture

on site 1451

HW-1 DTW - 29.70 14:54

HW-3 DTW - 26.32 15:07

on site staff 0.295 15:15

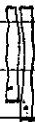
flume gauge 0.55

transducer was reading
every 70 min changed to 1 hr

HW-2 DTW - 26.46 15:26

Elbow gauge 0.80

diversion staff 1.23



4/15/08

at on site @ the diversion
staff @ diversion 1.14'

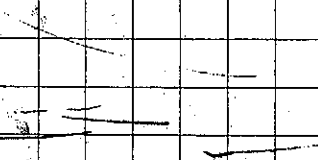
Tom P. on site 15:15

removed ditch w/ boards
@ 15:13

finished @ diversion @ 15:30

pulled on site flume 15:50

~~15:50~~ flume read 0.4 15:45



4/16/08

HW-1 DTW: 29.10' 11:00

HW-3 DTW: 24.93' 11:13

HW-2 DTW: 27.27' 11:22

5/2/08

HW-1 DTW - 28.57' TOK 12:06

HW-3 DTW - 29.10' TOK 12:18

HW-2 DTW - 23.32' TOK 12:26

5/15/08

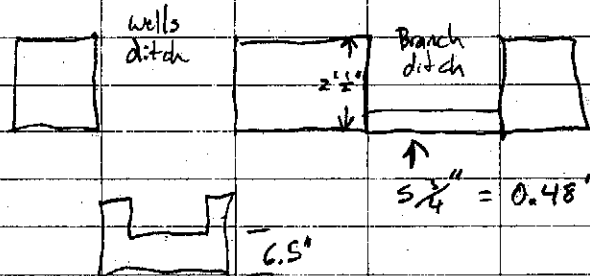
HW-1 DTW - 29.65 13:14

HW-2 DTW - 25.22 13:29

HW-2 DTW - 22.54 13:38

downloaded all transducers and
set to record 4hr interval
starting 5/15/08 15:00

Division Weir measurements



5/27/08

KAL on site @ Locher @ 1430

Staff on lower basin ^{error} ~~22.9 ft @ 1430~~

Upper basin staff only has 6"
or so sticking above water @ 1436

Staff gauge @ diversion flume
@ 0.46 ft @ 1439

fluctuates between 0.44 + 0.48,
pick 0.46 as good base #.

Lower Basin staff
@ ~ 2.3 @ 1445

@ MSO still about a foot or so
below old high water mark.

Spoke piles, lots of unrotated chunks
clug up.

Old test pit 10-12 ft @ water

5/27/08 pg 2

Lower Basin Staff Gauge:

~ 2.4 ft @ 1454
come up ~ 0.1 ft in 10 minutes

Staff @ 2.5 ft @ 1503, Stuart
turning gate down to ~ 2 cfs
@ 1505

Lower basin currently about 3X size of
was in spring 2007.

~ 2.6 ft @ 1508

~ 2.7 ft @ 1518 in \varnothing still coming
up, not slowing really yet.

1525 KAH 11/5 to

1632 KAH back

@ 1618 S.O.P

@ 1637 staff @ 3.14 ft

5/27/08 pg 3

Stuart going to turn gate down to ~ 1.5 cfs

~ 3.2 @ 1647

gate @ 1.5 cfs @ ~ 1650

Time	reading	ΔT	Δ rate/hr	
1445	2.3	-	-	-
1454	2.4	9	0.1	0.67 ft/hr
1503	2.5	9	0.1	"
1508	2.6	5	0.1	1.2 ft/hr
1518	2.7	10	0.1	0.60 ft/hr
1618	3.0	60	0.3	0.3 ft/hr
1637	3.14	19	0.14	0.4 ft/hr
1618	3.25	41	0.11	

Appendix B

Water Quality Data

1/23/08

Mil Creek Water Treatment Plant Laboratory 581 Mill Creek Road Walla Walla, WA 99362	Lab ID #:	143
	Washington State ID:	M1673
	EPA ID #:	WA 01177
	Telephone:	(509) 522-3775
	Fax:	(509) 529-9681
Date:	01/25/08	

System ID / Name:	<u>Walla Walla Basin Watershed Council</u>	Amount Due:	<u>\$132.00</u>
Sampler:	<u>Bob Bower</u>	Invoice Number:	<u>8001</u>
Address:	<u>P.O. Box 68</u>	Date Collected:	<u>1/23/08</u>
City:	<u>Milton-Freewater</u>	Date Analyzed:	<u>1/23/08</u>
State:	<u>Oregon</u> Zip Code: <u>97869</u>	Lab Analyst:	<u>Skifstad</u>

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9223B			
Sample ID #1	Results	Units	Lab Number
1-1	Absence	Presence / Absence	143-05160
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #2	Results	Units	Lab Number
1-2	Presence	Presence / Absence	143-05161
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #3	Results	Units	Lab Number
1-3	Presence	Presence / Absence	143-05162
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #4	Results	Units	Lab Number
HW-1	Presence	Presence / Absence	143-05163
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #5	Results	Units	Lab Number
HW-2	Absence	Presence / Absence	143-05164
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #6	Results	Units	Lab Number
HW-3	Presence	Presence / Absence	143-05165
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that.

Signature Lab Director : Tom Krebs 1-25-08
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

MILL CREEK Water Treatment Plant Laboratory 581 Mill Creek Road Walla Walla, WA 99362	Lab ID # : 143
	Washington State ID : M1873
	EPA ID # : WA 01177
	Telephone : (509) 522-3775
	Fax : (509) 529-0881
Date: 01/25/08	

System ID / Name: <u>Walla Walla Basin Watershed Council</u>	Amount Due: <u>\$150.00</u>
Sampler: <u>Bob Bower</u>	Invoice Number: <u>8001</u>
Address: <u>P.O. Box 68</u>	Date Collected: <u>1/23/08</u>
City: <u>Milton-Freewater</u>	Date Analyzed: <u>1/23/08</u>
State: <u>Oregon</u> Zip Code: <u>97863</u>	Lab Analyst: <u>Skifted</u>

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9222D			
Sample ID #1	Results	Units	Lab Number
1-1	0.0	CFU's / 100 mL	143-05154
Sample ID #2	Results	Units	Lab Number
1-2	0.0	CFU's / 100 mL	143-05155
Sample ID #3	Results	Units	Lab Number
1-3	0.0	CFU's / 100 mL	143-05156
Sample ID #4	Results	Units	Lab Number
HW-1	0.0	CFU's / 100 mL	143-05157
Sample ID #5	Results	Units	Lab Number
HW-2	0.0	CFU's / 100 mL	143-05158
Sample ID #6	Results	Units	Lab Number
HW-3	0.0	CFU's / 100 mL	143-05159

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that.

Signature Lab Director :

Tom Krebs

1-25-08
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

Mil Creek Water Treatment Plant Laboratory 581 Mill Creek Road Walla Walla, WA 99362	Lab ID #:	143
	Washington State ID:	M1673
	EPA ID #:	WA 01177
	Telephone:	(509) 522-3775
	Fax:	(509) 529-9691
Date:	01/25/08	

System ID / Name:	Walla Walla Basin Watershed Council	Amount Due:	\$132.00
Sampler:	Bob Bower	Invoice Number:	8001
Address:	P.O. Box 68	Date Collected:	1/23/08
City:	Milton-Freewater	Date Analyzed:	1/23/08
State:	Oregon	Zip Code:	97869
		Lab Analyst:	Skifstad

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition-

Test Method 9223B			
Sample ID #1	Results	Units	Lab Number
HW-1	Absence	Presence / Absence	143-05160
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #2	Results	Units	Lab Number
HW-2	Presence	Presence / Absence	143-05161
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #3	Results	Units	Lab Number
HW-3	Absence	Presence / Absence	143-05162
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #4	Results	Units	Lab Number
HW-1	Presence	Presence / Absence	143-05163
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #5	Results	Units	Lab Number
HW-2	Absence	Presence / Absence	143-05164
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			
Sample ID #6	Results	Units	Lab Number
HW-3	Presence	Presence / Absence	143-05165
Total Coliform Present / Fecal Coliform Absent <input checked="" type="checkbox"/> Present			

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that.

Signature Lab Director :

Tom Kiebas

1-25-08
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

MILL CREEK Water Treatment Plant Laboratory 581 Mill Creek Road Walla Walla, WA 99362	Lab ID #:	143
	Washington State ID:	M1673
	EPA ID #:	WA 01177
	Telephone:	(509) 522-3775
	Fax:	(509) 529-9681
Date:	01/25/08	

System ID / Name:	<u>Walla Walla Basin Watershed Council</u>	Amount Due:	<u>\$150.00</u>
Sampler:	<u>Bob Bower</u>	Invoice Number:	<u>8001</u>
Address:	<u>P.O. Box 68</u>	Date Collected:	<u>1/23/08</u>
City:	<u>Milton-Freewater</u>	Date Analyzed:	<u>1/23/08</u>
State:	<u>Oregon</u> Zip Code: <u>97863</u>	Lab Analyst:	<u>Skifstad</u>

Test Methods Are Selected From The
 Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9222D			
Sample ID #1	Results	Units	Lab Number
HW-1	0.0	CFU's / 100 mL	143-05154
Sample ID #2	Results	Units	Lab Number
HW-2	0.0	CFU's / 100 mL	143-05155
Sample ID #3	Results	Units	Lab Number
HW-3	0.0	CFU's / 100 mL	143-05156
Sample ID #4	Results	Units	Lab Number
HW-1	0.0	CFU's / 100 mL	143-05157
Sample ID #5	Results	Units	Lab Number
HW-2	0.0	CFU's / 100 mL	143-05158
Sample ID #6	Results	Units	Lab Number
HW-3	0.0	CFU's / 100 mL	143-05159

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that.

Signature Lab Director : Tom Krebs 1-25-08
(date)

City Of Walla Walla
 Water Plant Laboratory
 581 Mill Creek Road
 Walla Walla, WA 99362



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1/23/08 Month Day Year		Time Sample Collected 9:00 AM AM PM		County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other: <u>ASR</u>				
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____				
Contact Person: <u>BOB BOWER</u>				
Day Phone: (541) 938-2170		Call Phone: (509) 520-3534		
Eve. Phone: ()		FAX: ()		
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97862</u>				
SAMPLE INFORMATION				
Sample collected by (name): <u>BOB BOWER</u>				
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-1</u>				
Special instructions or comments:				

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other <u>PA</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input checked="" type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> E.coli absent <input checked="" type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform _____/100ml.	
IR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 pm</u>
Date Analyzed: <u>1/23/08 @ 1:30 pm</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number <u>143-05157</u>	Lab Use:



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1/23/08 Month Day Year		Time Sample Collected 11:10 AM AM PM		County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other: <u>ASR</u>				
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____				
Contact Person: <u>BOB BOWER</u>				
Day Phone: (541) 938-2170		Call Phone: (509) 520-3534		
Eve. Phone: ()		FAX: ()		
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97862</u>				
SAMPLE INFORMATION				
Sample collected by (name): <u>BOB BOWER</u>				
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-1</u>				
Special instructions or comments:				

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other <u>PA</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input checked="" type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> E.coli absent <input checked="" type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform _____/100ml.	
MICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 pm</u>
Date Analyzed: <u>1/23/08 @ 1:30 pm</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number <u>143-05156</u>	Lab Use:



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road - Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1 / 23 / 08 Month Day Year	Time Sample Collected 9:30 AM PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>	Day Phone: (541) 938-2170	
	Cell Phone: (509) 520-3534	
Eva. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON - FREEWATER, OR. 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-3</u>		
Special instructions or comments:		



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road - Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1 / 23 / 08 Month Day Year	Time Sample Collected 9:55 AM PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>	Day Phone: (541) 938-2170	
	Cell Phone: (509) 520-3534	
Eva. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON - FREEWATER, OR. 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-2</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform 8 <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	

4. Sample Collected for Information Only
Construction ___ Repairs ___ Private Residence ___ Other PA

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform 8 <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	

4. Sample Collected for Information Only
Construction ___ Repairs ___ Private Residence ___ Other PA

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input checked="" type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input checked="" type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform _____ /100ml.	
MICR Method Code: 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 PM</u>
Date Analyzed: <u>1/23/08 @</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number 143-05159	Lab Use:

<input checked="" type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform _____ /100ml.	
MICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 PM</u>
Date Analyzed: <u>1/23/08 @</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number 143-05158	Lab Use:



CITY OF WALLA WALLA
MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road - Walla Walla, WA 99362
Phone 509/522-3775 - Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1/23/08 Month Day Year	Time Sample Collected 9:00 AM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: <u>(541) 938-2170</u>	Cell Phone: <u>(509) 520-3534</u>	
Eve. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97362</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-1</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other <u>NE</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform <u>0.0</u> /100ml.	
Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 PM</u>
Date Analyzed: <u>1/23/08 (S)</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number <u>143-05163</u>	Lab Use:



CITY OF WALLA WALLA
MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road - Walla Walla, WA 99362
Phone 509/522-3775 - Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1/23/08 Month Day Year	Time Sample Collected 11:10 AM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: <u>(541) 938-2170</u>	Cell Phone: <u>(509) 520-3534</u>	
Eve. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97362</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-1</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other <u>NE</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform <u>0.0</u> /100ml.	
MICR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 PM</u>
Date Analyzed: <u>1/23/08 (S)</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number <u>143-05162</u>	Lab Use:



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1/23/08 Month Day Year	Time Sample Collected 9:30 AM PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: (541) 938-2170	Cell Phone: (509) 520-3534	
Evs. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>210 S. MAIN P.O. BOX 68</u> <u>MILDN-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-3</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, CWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <u>8</u> _____ <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction _____ Repairs _____ Private Residence _____ Other <u>MF</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>0.0</u> /100ml.	
Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 pm</u>
Date Analyzed: <u>1/23/08 @ 5</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number 143-05165	Lab Use:



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 1/23/08 Month Day Year	Time Sample Collected 9:55 AM PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: (541) 938-2170	Cell Phone: (509) 520-3534	
Evs. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>210 S. MAIN P.O. BOX 68</u> <u>MILDN-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-3</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <u>8</u> _____ <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction _____ Repairs _____ Private Residence _____ Other <u>MF</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>0.0</u> /100ml.	
MICR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>1/23/08 @ 1:30 pm</u>
Date Analyzed: <u>1/23/08 @ 5</u>	Date Reported: <u>1/24/08</u>
Lab/Sample Number 143-05164	Lab Use:



Burlington WA 1620 S Walnut St - 98233
 Corporate Office 800.755.9295 • 360.757.1400 • 360.757.1402fax
 Bellingham WA 805 Orchard Dr Suite 4 - 98225
 Microbiology 360.671.0688 • 360.671.1577fax

Data Report

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

Report Date: 2/4/2008
 Reference Number: 08-00977
 Project: Hall-Wentland

Collected By: Bob Bower

Date Received: 1/24/2008
 Peer Review: *YM*

Lab Number: 2120		Sample Description: HW-1 - Hall-Wentland Recharge obs 1						Sample Date: 1/21/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
E-10173	TOTAL DISSOLVED SOLIDS	125	10	10	mg/L	1.0	SM2540 C	1/28/2008	CCN	TDS_080128	
16887-00-6	CHLORIDE	3.2	1.0	0.143	mg/L	10.0	300.0	1/24/2008	BJ	1080124A	
E-10184	ELECTRICAL CONDUCTIVITY	181	10	10	uS/cm	1.0	SM2510 B	1/23/2008	CCN	EC_080125	
E-11778	HARDNESS	67.2	3.30	0.055	mg CaCl	1.0	200.7	1/28/2008	BJ	200.7-080128A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	2/1/2008	MAK	COD_080201	
14797-55-8	NITRATE-N	2.00	0.01	0.0009	mg/L	1.0	SM4500-NOS F	1/22/2008	SO	NO3NO2-080125	

Lab Number: 2121		Sample Description: HW-2 - Hall-Wentland Well obs 2						Sample Date: 1/23/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.94	0.01	0.0009	mg/L	1.0	SM4500-NOS F	1/25/2008	SO	NO3NO2-080125	
E-10173	TOTAL DISSOLVED SOLIDS	125	10	10	mg/L	1.0	SM2540 C	1/28/2008	CCN	TDS_080128	
16887-00-6	CHLORIDE	2.2	1.0	0.143	mg/L	10.0	300.0	1/24/2008	BJ	1080124A	
14265-44-2	ORTHO-PHOSPHATE	0.34	0.01	0.005	mg/L	1.0	SM4500-P F	1/24/2008	SO	OPHOS-080124A	
E-10139	HYDROGEN ION (pH)	6.51			pH Units	1.0	SM4500-H+ B	1/24/2008	MAK	PH_080124	
E-10617	TURBIDITY	5.43	0.05	0.02	NTU	1.0	180.1	1/24/2008	MAK	TURB_080124	
E-10184	ELECTRICAL CONDUCTIVITY	180	10	10	uS/cm	1.0	SM2510 B	1/25/2008	CCN	EC_080125	
E-11778	HARDNESS	67.7	3.30	0.055	mg CaCl	1.0	200.7	1/28/2008	BJ	200.7-080128A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	2/1/2008	MAK	COD_080201	

Lab Number: 2122		Sample Description: HW-3 - Hall-Wentland Well obs 3						Sample Date: 1/23/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	1.21	0.01	0.0009	mg/L	1.0	SM4500-NOS F	1/25/2008	SO	NO3NO2-080125	
E-10173	TOTAL DISSOLVED SOLIDS	113	10	10	mg/L	1.0	SM2540 C	1/28/2008	CCN	TDS_080128	
16887-00-6	CHLORIDE	2.6	1.0	0.143	mg/L	10.0	300.0	1/24/2008	BJ	1080124A	
14265-44-2	ORTHO-PHOSPHATE	0.29	0.01	0.005	mg/L	1.0	SM4500-P F	1/24/2008	SO	OPHOS-080124A	
E-10139	HYDROGEN ION (pH)	6.88			pH Units	1.0	SM4500-H+ B	1/24/2008	MAK	PH_080124	
E-10617	TURBIDITY	29.0	0.05	0.02	NTU	1.0	180.1	1/24/2008	MAK	TURB_080124	
E-10184	ELECTRICAL CONDUCTIVITY	158	10	10	uS/cm	1.0	SM2510 B	1/25/2008	CCN	EC_080125	
E-11778	HARDNESS	64.2	3.30	0.055	mg CaCl	1.0	200.7	1/28/2008	BJ	200.7-080128A	
E-10117	CHEMICAL OXYGEN DEMAND	11	8.0		mg/L	1.0	SM5220 D	2/1/2008	MAK	COD_080201	

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

Hall Wentland
2/13/08

MILL CREEK Water Treatment Plant Laboratory 581 Mill Creek Road Walla Walla, WA 99362	Lab ID #	143
	Washington State ID	M1873
	EPA ID #	WA 01177
	Telephone	(509) 522-3775
	Fax	(509) 529-9681
	Date	02/19/08

System ID / Name:	<u>Walla Walla Basin Watershed Council</u>	Amount Due:	<u>\$175.00</u>
Sampler:	<u>Bob Bower \ T. Baker</u>	Invoice Number:	<u>8002</u>
Address:	<u>P.O. Box 68</u>	Date Collected:	<u>2/13/08</u>
City:	<u>Milton-Freewater</u>	Date Analyzed:	<u>2/13/08</u>
State:	<u>OR</u> Zip Code: <u>97874</u>	Lab Analyst:	<u>Skifstad</u>

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater - 20th Edition-

Test Method 8222D			
Sample ID #1	Results	Units	Lab Number
Wentland Rd-1	0.0	CFUs / 100 mL	143-05243
Sample ID #2	Results	Units	Lab Number
Wentland Rd-2	0.0	CFUs / 100 mL	143-05244
Sample ID #3	Results	Units	Lab Number
Wentland Rd-3	0.0	CFUs / 100 mL	143-05245
Sample ID #4	Results	Units	Lab Number
Hall-Wentland-3	0.0	CFUs / 100 mL	143-05246
Sample ID #5	Results	Units	Lab Number
Hall-Wentland-1	0.0	CFUs / 100 mL	143-05247
Sample ID #6	Results	Units	Lab Number
Hall-Wentland-2	0.0	CFUs / 100 mL	143-05248
Sample ID #7	Results	Units	Lab Number
HW-Source	TNTC	CFUs / 100 mL	143-05249

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that.

Signature Lab Director :

Tom Kuehl

2-14-08
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

MILL CREEK Water Treatment Plant Laboratory 581 Mill Creek Road Walla Walla, WA 99362	Lab ID #:	143
	Washington State ID:	M1873
	EPA ID #:	WA 01177
	Telephone:	(509) 522-9775
	Fax:	(509) 528-9581
Date:	02/19/08	

System ID / Name:	<u>Walla Walla Basin Watershed Council</u>	Amount Due:	<u>\$154.00</u>
Sampler:	<u>Bob Bower \ T.Baker</u>	Invoice Number:	<u>8002</u>
Address:	<u>P.O. Box 68</u>	Date Collected:	<u>2/13/08</u>
City:	<u>Milton-Freewater</u>	Date Analyzed:	<u>2/13/08</u>
State:	<u>OR</u> Zip Code: <u>97874</u>	Lab Analyst:	<u>Skifted</u>

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater - 20th Edition-

Test Method 8223B			
Sample ID #1	Results	Units	Lab Number
Washer Rd-1	Presence	Presence / Absence	143-05236
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input type="checkbox"/>			
Sample ID #2	Results	Units	Lab Number
Washer Rd-2	Presence	Presence / Absence	143-05237
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input type="checkbox"/>			
Sample ID #3	Results	Units	Lab Number
Washer Rd-3	Presence	Presence / Absence	143-05238
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input type="checkbox"/>			
Sample ID #4	Results	Units	Lab Number
Hall-Wentland-3	Absence	Presence / Absence	143-05239
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input type="checkbox"/>			
Sample ID #5	Results	Units	Lab Number
Hall-Wentland-1	Presence	Presence / Absence	143-05240
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input type="checkbox"/>			
Sample ID #6	Results	Units	Lab Number
Hall-Wentland-2	Absence	Presence / Absence	143-05241
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input type="checkbox"/>			
Sample ID #7	Results	Units	Lab Number
HW-Source	Presence	Presence / Absence	143-05242
Total Coliform Present / E-Coli Absent <input type="checkbox"/> Present <input checked="" type="checkbox"/>			

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that.

Signature Lab Director : Tom Kubi 2-14-08
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362



MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-0681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 2/13/08 Month Day Year	Time Sample Collected 10:10 AM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: (541) 938-2170	Cell Phone: (509) 520-3534	
Eve. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 63</u> <u>MILTON-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-1</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI) _____	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other <u>MFC</u>

<input checked="" type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>0.0</u> /100ml.	
MICR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 1:00 PM</u>
Date Analyzed: <u>2/13/08 (S)</u>	Date Reported: <u>2/14/08</u>
Lab/Sample Number <u>143-05247</u>	Lab Use:



MILL CREEK WATER TREATMENT PLANT
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COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 2/13/08 Month Day Year	Time Sample Collected 9:45 AM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: (541) 938-2170	Cell Phone: (509) 520-3534	
Eve. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 63</u> <u>MILTON-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-3</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI) _____	4. <input checked="" type="checkbox"/> Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other <u>MFC</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>0.0</u> /100ml.	
MICR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 1:00 PM</u>
Date Analyzed: <u>2/13/08 (S)</u>	Date Reported: <u>2/14/08</u>
Lab/Sample Number <u>143-05246</u>	Lab Use:



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COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected <u>2/13/08</u> Month Day Year	Time Sample Collected <u>11:05</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Private Household <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____		
System Name: _____		
Contact Person: <u>BOB BOWER</u>	Day Phone: (<u>509</u>) <u>938-2170</u>	
	Call Phone: (<u>509</u>) <u>520-3534</u>	
Eve. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>H.W. SOURCE</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

<input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____	<input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____
<input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <u>5</u> <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	<input checked="" type="checkbox"/> Sample Collected for Information Only Construction _____ Repairs _____ Private Residence _____ Other <u>PA</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input checked="" type="checkbox"/> Unsatisfactory Total Coliform Present and <input checked="" type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	
Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture	
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform _____ /100ml.	
ICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 1st pm</u>
Date Analyzed: <u>2/13/08</u> (CS)	Date Reported: <u>2/14/08</u>
Lab/Sample Number <u>143-05242</u>	Lab Use:



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Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected <u>2/13/08</u> Month Day Year	Time Sample Collected <u>8:10</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Private Household <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Other <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____		
System Name: _____		
Contact Person: <u>BOB BOWER</u>	Day Phone: (<u>509</u>) <u>938-2170</u>	
	Call Phone: (<u>509</u>) <u>520-3534</u>	
Eve. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER (T. BAKER)</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>H.W. SOURCE</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

<input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____	<input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes _____ No _____ Chlorine Residual: Total _____ Free _____
<input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <u>5</u> <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	<input checked="" type="checkbox"/> Sample Collected for Information Only Construction _____ Repairs _____ Private Residence _____ Other <u>NEC</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	
Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture	
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>0</u> /100ml.	
MICR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 1st pm</u>
Date Analyzed: <u>2/13/08</u> (CS)	Date Reported: <u>2/14/08</u>
Lab/Sample Number <u>143-05243</u>	Lab Use:

CITY OF WALLA WALLA
 MILL CREEK WATER TREATMENT PLANT
 581 Mill Creek Road • Walla Walla, WA 99362
 Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 2/13/08 Month Day Year	Time Sample Collected 9:14 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Private Household <input type="checkbox"/> Group B Public <input type="checkbox"/> Other		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: BOB BOWSER		
Day Phone: (541) 938-2170		Cell Phone: (509) 520-3534
Eve. Phone: ()		FAX: ()
Send results to: (Print full name, address and zip code) WALLA WALLA BASIN WATERSHED COUNCIL 810 S. MAIN RD. BOX 68 MILTON-FRESHWATER, OR 97862		
SAMPLE INFORMATION		
Sample collected by (name): BOB BOWSER / T. BAKER		
Specific location where sample collected (address or sample site, and type of faucet): HW-3		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

<input type="checkbox"/> 1. Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	<input type="checkbox"/> 2. Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
<input type="checkbox"/> 3. Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	<input checked="" type="checkbox"/> 4. Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other PA

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input checked="" type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input checked="" type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform _____/100ml.	
ICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: 2/13/08 @ 1st Pm
Date Analyzed: 2/13/08 @	Date Reported: 2/14/08
Lab/Sample Number 143-05238	Lab Use:

CITY OF WALLA WALLA
 MILL CREEK WATER TREATMENT PLANT
 581 Mill Creek Road • Walla Walla, WA 99362
 Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected 2/13/08 Month Day Year	Time Sample Collected 9:45 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Private Household <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Other ASR		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: BOB BOWSER		
Day Phone: (541) 938-2170		Cell Phone: (509) 520-3534
Eve. Phone: ()		FAX: ()
Send results to: (Print full name, address and zip code) WALLA WALLA BASIN WATERSHED COUNCIL 810 S. MAIN RD. BOX 68 MILTON-FRESHWATER, OR 97862		
SAMPLE INFORMATION		
Sample collected by (name): BOB BOWSER / T. BAKER		
Specific location where sample collected (address or sample site, and type of faucet): HW-3		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

<input type="checkbox"/> 1. Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	<input type="checkbox"/> 2. Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
<input type="checkbox"/> 3. Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	<input checked="" type="checkbox"/> 4. Sample Collected for Information Only Construction ___ Repairs ___ Private Residence ___ Other PA

<input checked="" type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform _____/100ml.	
MICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: 2/13/08 @ 1st Pm
Date Analyzed: 2/13/08 @	Date Reported: 2/14/08
Lab/Sample Number 143-05239	Lab Use:



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COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected <u>2/13/08</u> Month Day Year	Time Sample Collected <u>10:10</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Private Household <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Other <u>ASK</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: <u>(541) 938-2170</u>		Cell Phone: <u>(509) 520-3534</u>
Eve. Phone: ()		FAX: ()
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-1</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI) S _____	

4. Sample Collected for Information Only
Construction _____ Repairs _____ Private Residence _____ Other PA

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input checked="" type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input checked="" type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform _____/100ml.	
MICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 1:00 PM</u>
Date Analyzed: <u>2/13/08</u> (S)	Date Reported: <u>2/14/08</u>
Lab/Sample Number <u>143-05240</u>	Lab Use:



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COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected <u>2/13/08</u> Month Day Year	Time Sample Collected <u>10:35</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Private Household <input type="checkbox"/> Group B Public <input checked="" type="checkbox"/> Other <u>ASK</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____ System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: <u>(541) 938-2170</u>		Cell Phone: <u>(509) 520-3534</u>
Eve. Phone: ()		FAX: ()
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED Council</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MILTON-FREEWATER, OR 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-2</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

1. <input type="checkbox"/> Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	2. <input type="checkbox"/> Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
3. <input type="checkbox"/> Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI) S _____	

4. Sample Collected for Information Only
Construction _____ Repairs _____ Private Residence _____ Other PA

<input checked="" type="checkbox"/> Satisfactory Total Coliform Absent <u>ABSENT</u>	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container	Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture
Bacterial Density Results: Plate Count _____/ml. E.coli _____/100ml. Total Coliform _____/100ml. Fecal Coliform _____/100ml.	
MICR Method Code: <input type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input checked="" type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 10 AM</u>
Date Analyzed: <u>2/13/08</u> (S)	Date Reported: <u>2/14/08</u>
Lab/Sample Number <u>143-05241</u>	Lab Use:

CITY OF WALLA WALLA
 MILL CREEK WATER TREATMENT PLANT
 501 NW Creek Road • Walla Walla, WA 99062
 Phone 509/522-3775 • Fax 509/522-3681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
 If instructions are not followed, sample will be rejected.

Date Sample Collected 2 / 13 / 08 Month Day Year	Time Sample Collected 11:05 AM AM PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other: <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____		
System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: (541) 938-2170	Cell Phone: (509) 510-3534	
Even. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MULTON-FREEWATER, OR. 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-2</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

<input type="checkbox"/> 1. Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	<input type="checkbox"/> 2. Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
<input type="checkbox"/> 3. Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	<input type="checkbox"/> 4. Sample Collected for Information Only Construction ___ Repair ___ Private Residence ___ Other <u>MFC</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container <input checked="" type="checkbox"/> Test unsuitable because: <input checked="" type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture	
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>2</u> /100ml.	
MCR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 12 PM</u>
Date Analyzed: <u>2/13/08 @</u>	Date Reported: <u>2/14/08</u>
Lab/Sample Number: 143-05249	Lab Use:

SD1 Form 631-719 (Revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS
 WATER SUPPLIER COPY

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 MILL CREEK WATER TREATMENT PLANT
 501 NW Creek Road • Walla Walla, WA 99062
 Phone 509/522-3775 • Fax 509/522-3681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
 If instructions are not followed, sample will be rejected.

Date Sample Collected 2 / 13 / 08 Month Day Year	Time Sample Collected 10:35 AM AM PM	County
Type of Water System (check only one box) <input type="checkbox"/> Group A Public <input type="checkbox"/> Group B Public <input type="checkbox"/> Private Household <input checked="" type="checkbox"/> Other: <u>ASR</u>		
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID# _____		
System Name: _____		
Contact Person: <u>BOB BOWER</u>		
Day Phone: (541) 938-2170	Cell Phone: (509) 510-3534	
Even. Phone: ()	FAX: ()	
Send results to: (Print full name, address and zip code) <u>WALLA WALLA BASIN WATERSHED COUNCIL</u> <u>810 S. MAIN P.O. BOX 68</u> <u>MULTON-FREEWATER, OR. 97862</u>		
SAMPLE INFORMATION		
Sample collected by (name): <u>BOB BOWER / T. BAKER</u>		
Specific location where sample collected (address or sample site, and type of faucet): <u>HW-2</u>		
Special instructions or comments:		

Type of Sample (must check only one box of #1 through #4 listed below)

<input type="checkbox"/> 1. Routine Distribution Sample Provide information below. Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___	<input type="checkbox"/> 2. Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: _____ Unsatisfactory routine collect date: _____ Chlorinated: Yes ___ No ___ Chlorine Residual: Total ___ Free ___
<input type="checkbox"/> 3. Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform Public Systems must provide Source Number from (WFI)	<input type="checkbox"/> 4. Sample Collected for Information Only Construction ___ Repair ___ Private Residence ___ Other <u>MFC</u>

<input type="checkbox"/> Satisfactory Total Coliform Absent	<input type="checkbox"/> Unsatisfactory Total Coliform Present and <input type="checkbox"/> E.coli present <input type="checkbox"/> E.coli absent <input type="checkbox"/> Fecal coliform present <input type="checkbox"/> Fecal coliform absent
<input type="checkbox"/> Replacement Sample Required	
Sample not tested because: <input type="checkbox"/> Sample too old (>30 hours) <input type="checkbox"/> Improper container <input type="checkbox"/> Test unsuitable because: <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture	
Bacterial Density Results: Plate Count _____ /ml. E.coli _____ /100ml. Total Coliform _____ /100ml. Fecal Coliform <u>0</u> /100ml.	
MCR Method Code: <input checked="" type="checkbox"/> 1140 <input type="checkbox"/> 1340 <input type="checkbox"/> 2720	Date and Time Received: <u>2/13/08 @ 10 PM</u>
Date Analyzed: <u>2/13/08 @</u>	Date Reported: <u>2/14/08</u>
Lab/Sample Number: 143-05248	Lab Use:

SD1 Form 631-719 (Revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS
 WATER SUPPLIER COPY



Burlington WA	1620 S Walnut St - 98233
Corporate Office	800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA	805 Orchard Dr Suite 4 - 98225
Microbiology	360.671.0688 • 360.671.1577fax

March 10, 2008

Page 1 of 1

Bob Bower
Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

RE: 08-01833 - LocherHall-Wentland/HBDIC

Dear Bob Bower,

Your project: LocherHall-Wentland/HBDIC, was received on Thursday February 14, 2008.

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 me at 800 755-9295.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "L Henderson", is written over the typed name.

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

Data Report

Collected By: T Baker/L Lewis

Date Received: 2/14/2008

E-11778	HARDNESS	75.3	3.30	0.055	mg CaCl	1.0	200.7	2/18/2008	BJ	200.7-080218A
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	2/15/2008	MAK	COD_080215
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/4/2008	MVP	D080303A

Lab Number: 4102		Sample Description: HW-1 - Hall-Wentland OBS #1						Sample Date: 2/13/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	1.82	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
E-10173	TOTAL DISSOLVED SOLIDS	137	10	10	mg/L	1.0	SM2540 C	2/18/2008	CCN	TDS_080218	
16887-00-6	CHLORIDE	2.8	0.10	0.0143	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
14265-44-2	ORTHO-PHOSPHATE	0.31	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	SO	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	6.67			pH Units	1.0	SM4500-H+ B	2/14/2008	MAK	PH_080214	
E-10617	TURBIDITY	0.98	0.05	0.02	NTU	1.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	175	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_080215	
E-11778	HARDNESS	69.2	3.30	0.055	mg CaCl	1.0	200.7	2/18/2008	BJ	200.7-080218A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	2/15/2008	MAK	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/4/2008	MVP	D080303A	

Lab Number: 4103		Sample Description: HW-2 - Hall-Wentland OBS #2						Sample Date: 2/13/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	3.46	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
E-10173	TOTAL DISSOLVED SOLIDS	140	10	10	mg/L	1.0	SM2540 C	2/18/2008	CCN	TDS_080218	
16887-00-6	CHLORIDE	5	0.10	0.0143	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
14265-44-2	ORTHO-PHOSPHATE	0.34	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	SO	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	6.59			pH Units	1.0	SM4500-H+ B	2/14/2008	MAK	PH_080214	
E-10617	TURBIDITY	0.88	0.05	0.02	NTU	1.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	178	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_080215	
E-11778	HARDNESS	72.9	3.30	0.055	mg CaCl	1.0	200.7	2/18/2008	BJ	200.7-080218A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	2/15/2008	MAK	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/4/2008	MVP	D080303A	

Lab Number: 4104		Sample Description: HW-3 - Hall-Wentland OBS #3						Sample Date: 2/13/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	3.61	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
E-10173	TOTAL DISSOLVED SOLIDS	130	10	10	mg/L	1.0	SM2540 C	2/18/2008	CCN	TDS_080218	
16887-00-6	CHLORIDE	5.1	0.10	0.0143	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
14265-44-2	ORTHO-PHOSPHATE	0.29	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	SO	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	6.64			pH Units	1.0	SM4500-H+ B	2/14/2008	MAK	PH_080214	
E-10617	TURBIDITY	6.94	0.05	0.02	NTU	1.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	161	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_080215	
E-11778	HARDNESS	63.2	3.30	0.055	mg CaCl	1.0	200.7	2/18/2008	BJ	200.7-080218A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	2/15/2008	MAK	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/8/2008	MVP	D080306A	

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

Data Report

Collected By: T Baker/L Lewis

Date Received: 2/14/2008

Lab Number: 4105		Sample Description: HW-Source - Hall-Wentland Source						Sample Date: 2/13/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.78	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
E-10173	TOTAL DISSOLVED SOLIDS	115	10	10	mg/L	1.0	SM2540 C	2/18/2008	CCN	TDS_080218	
16887-00-6	CHLORIDE	2	0.10	0.0143	mg/L	1.0	300.0	2/14/2008	BJ	I080214A	
14265-44-2	ORTHO-PHOSPHATE	0.31	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	SO	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	7.64			pH Units	1.0	SM4500-H+ B	2/14/2008	MAK	PH_080214	
E-10617	TURBIDITY	5.89	0.05	0.02	NTU	1.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	144	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_080215	
E-11778	HARDNESS	58.8	3.30	0.055	mg CaCl	1.0	200.7	2/18/2008	BJ	200.7-080218A	
E-10117	CHEMICAL OXYGEN DEMAND	17	8.0		mg/L	1.0	SM5220 D	2/15/2008	MAK	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/6/2008	MVP	D080306A	

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

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland OBS #1
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04102
 Report Date: 3/4/2008
 Date Analyzed: 2/22/2008
 Extraction Date: 515_080226
 Analyst: CO
 Peer Review: *MVA*
 Analytical Method: 515.1
 Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland OBS #2
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04103
 Report Date: 3/4/2008
 Date Analyzed: 2/22/2008
 Extraction Date: 515_080226
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLORO BENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland OBS #3
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04104
 Report Date: 3/4/2008
 Date Analyzed: 2/22/2008
 Extraction Date: 515_080226
 Analyst: CO
 Peer Review: MJA
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.
 A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-Source
 Sample Description: Hall-Wentland Source
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04105
 Report Date: 3/4/2008
 Date Analyzed: 2/22/2008
 Extraction Date: 515_080226
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1
 Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDRW. State Advisory Level (SAL) for Unregulated compounds.

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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland OBS #1
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04604102
 Report Date: 3/3/2008
 Date Analyzed: 3/2/2008
 Extraction Date: 525_080221
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	D(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	D(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
- PAHs							
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 [^]		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 [^]		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 [^]		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
- Phthalates							
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
Other Compounds							
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1 [^]		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland OBS #2
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04604103
 Report Date: 3/3/2008
 Date Analyzed: 2/22/2008
 Extraction Date: 525_080221
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	NDD2	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
- PAHs							
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	NDD2	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	NDD2	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
- Phthalates							
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
Other Compounds							
51235-04-2	HEXAZINONE (Veipar)	ND	ug/L	0.1	0.1^		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDPWR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Environmental Sciences, Inc.
 810 S Main Street
 Milton-Freewater, OR 97862

Reference Number: 04604104

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland OBS #3
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sample Phone:

Lab Number: 04604104
 Report Date: 3/3/2008
 Date Analyzed: 3/2/2008
 Extraction Date: 525_080221
 Analyst: CO
 Peer Review: MUA
 Analytical Method: EPA 8

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
- PAHs							
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 [^]		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 [^]		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 [^]		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
- Phthalates							
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
Other Compounds							
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1 [^]		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
Field ID: HW-Source
Sample Description: Hall-Wentland Source
Sampled By: T Baker/L Lewis
Sample Date: 2/13/2008
Source Type:
Sampler Phone:

Lab Number: 04604105
Report Date: 3/3/2008
Date Analyzed: 3/2/2008
Extraction Date: 525_080221
Analyst: CO
Peer Review: MVA
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
- PAHs							
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 [^]		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 [^]		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 [^]		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
- Phthalates							
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
Other Compounds							
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1 [^]		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

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J - Estimated value.



Burlington WA | 1620 S Walnut St - 98233
 Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402 fax
 Bellingham WA | 805 Orchard Dr Suite 4 - 98225
 Microbiology | 360.671.0688 • 360.671.1577 fax

DATA REPORT

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

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4102
Field ID: HW-1

Report Date: 3/10/2008
Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #1

Analyst: CO

Matrix: Drinking Water

Peer Review: MVA

Collect Date: 2/13/2008

Analytical Method: 525.2

Extraction Date: 2/21/2008

Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	WALLA_080221	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		Unstable in Acidified Sample
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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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 Bellingham WA 805 Orchard Dr Suite 4 - 98225
 Microbiology 360.671.0688 • 360.671.1577 fax

WSDOE Lab C1251

Page 1 of 1

DATA REPORT

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

Reference Number: 08-01833
 Project: LocherHall-Wentland/HBDIC

Lab Number: 4103
 Field ID: HW-2

Report Date: 3/10/2008
 Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #2
 Matrix: Drinking Water

Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Collect Date: 2/13/2008
 Extraction Date: 2/21/2008
 Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	WALLA_080221	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		Unstable in Acidified Sample N
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/L	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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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 Bellingham WA | 805 Orchard Dr Suite 4 - 98225
 Microbiology | 360.671.0688 • 360.671.1577 fax

WSDOE Lab C1251

DATA REPORT

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

Reference Number: 08-01833
 Project: LocherHall-Wentland/HBDIC

Lab Number: 4104

Field ID: HW-3

Report Date: 3/10/2008

Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #3

Matrix: Drinking Water

Analyst: CO

Peer Review: MUA

Collect Date: 2/13/2008

Analytical Method: 525.2

Extraction Date: 2/21/2008

Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	WALLA_080221	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		Unstable in Acidified Sample N
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.

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 S Main Street
 Milton-Freewater, OR 97862

Reference Number: 08-01833
 Project: LocherHall-Wentland/HBDIC

Lab Number: 4105
 Field ID: HW-Source
 Sample Description: Hall-Wentland Source
 Matrix: Drinking Water
 Collect Date: 2/13/2008
 Extraction Date: 2/21/2008
 Extraction Method: 3535

Report Date: 3/10/2008
 Date Analyzed: 2/22/2008
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	WALLA_080221	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		Unstable in Acidified Sample
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland OBS #1
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04604102
 Report Date: 3/3/2008
 Date Analyzed: 2/25/2008
 Extraction Date: 531_080225
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 531.2

Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland OBS #2
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04103
 Report Date: 3/3/2008
 Date Analyzed: 2/25/2008
 Extraction Date: 531_080225
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 531.2

Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND - Not detected, above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR, State Advisory Level (SAL) for Unregulated compounds.

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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

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J - Estimated value.



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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland OBS #3
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04104
 Report Date: 3/3/2008
 Date Analyzed: 2/25/2008
 Extraction Date: 531_080225
 Analyst: CO
 Peer Review: MWA
 Analytical Method: 531.2

Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC
 Field ID: HW-Source
 Sample Description: Hall-Wentland Source
 Sampled By: T Baker/L Lewis
 Sample Date: 2/13/2008
 Source Type:
 Sampler Phone:

Lab Number: 04105
 Report Date: 3/3/2008
 Date Analyzed: 2/25/2008
 Extraction Date: 531_080225
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 531.2

Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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WSDOE Lab C1251

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DATA REPORT

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

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4102

Field ID: HW-1

Sample Description: Hall-Wentland OBS #1

Matrix: Drinking Water

Collect Date: 2/13/2008

Extraction Date:

Extraction Method: 3535

Report Date: 3/3/2008

Date Analyzed: 2/22/2008

Analyst: CO

Peer Review: *MVA*

Analytical Method: 525.2

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds								
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1^	1.0	525X_080221	



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DATA REPORT

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

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4103

Field ID: HW-2

Report Date: 3/3/2008

Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #2

Matrix: Drinking Water

Analyst: CO

Peer Review: *MVA*

Collect Date: 2/13/2008

Analytical Method: 525.2

Extraction Date: 2/21/2008

Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds								
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1 [^]	1.0	525X_080221	

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value 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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DATA REPORT

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

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4104

Field ID: HW-3

Sample Description: Hall-Wentland OBS #3

Matrix: Drinking Water

Collect Date: 2/13/2008

Report Date: 3/3/2008

Date Analyzed: 2/22/2008

Analyst: CO

Peer Review: *MVA*

Analytical Method: 525.2

Extraction Date:

Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds								
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1 [^]	1.0	525X_080221	

*Result of: NA - indicates the compound was not analyzed.
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DATA REPORT

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

Reference Number: 08-01833
 Project: LocherHall-Wentland/HBDIC

Lab Number: 4105
 Field ID: HW-Source

Report Date: 3/3/2008
 Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland Source
 Matrix: Drinking Water

Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Collect Date: 2/13/2008

Extraction Date:
 Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds								
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1 [^]	1.0	525X_080221	

*Result of: NA - indicates the compound was not analyzed.
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DATA REPORT

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

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4102

Report Date: 2/29/2008

Field ID: HW-1

Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #1

Matrix: Drinking Water

Analyst: GEB

Collect Date: 2/13/2008

Peer Review: *HBY*

Extraction Date: 2/20/2008

Analytical Method: 549.2

Extraction Method: 3535

Paraquat

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
1910-42-5	PARAQUAT	ND	ug/L	2	1.0	1.0	549P_080220	

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value 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 S Main Street
Milton-Freewater, OR 97862

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4103

Report Date: 2/29/2008

Field ID: HW-2

Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #2

Matrix: Drinking Water

Analyst: GEB

Collect Date: 2/13/2008

Peer Review: *107*

Extraction Date: 2/20/2008

Analytical Method: 549.2

Extraction Method: 3535

Paraquat

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
1910-42-5	PARAQUAT	ND	ug/L	2	1.0	1.0	549P_080220	

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value 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 C1251

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DATA REPORT

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

Reference Number: 08-01833
Project: LocherHall-Wentland/HBDIC

Lab Number: 4104

Report Date: 2/29/2008

Field ID: HW-3

Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland OBS #3

Matrix: Drinking Water

Analyst: GEB

Collect Date: 2/13/2008

Peer Review: *hjm*

Analytical Method: 549.2

Extraction Date: 2/20/2008

Extraction Method: 3535

		Paraquat					
CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F. Batch	COMMENT
1910-42-5	PARAQUAT	ND	ug/L	2	1.0	1.0 549P_080220	

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value 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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WSDOF Lab C1251

DATA REPORT

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

Reference Number: 08-01833
 Project: LocherHall-Wentland/HBDIC

Lab Number: 4105
 Field ID: HW-Source

Report Date: 2/29/2008

Date Analyzed: 2/22/2008

Sample Description: Hall-Wentland Source

Analyst: GEB

Matrix: Drinking Water

Peer Review: *[Signature]*

Collect Date: 2/13/2008

Analytical Method: 549.2

Extraction Date: 2/20/2008

Extraction Method: 3535

Paraquat

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
1910-42-5	PARAQUAT	ND	ug/L	2	1.0	1.0	549P_080220	

*Result of: NA - indicates the compound was not analyzed.
 Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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 Microbiology 360.671.0688 • 360.671.1577fax



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-01833
 Report Date: 03/10/08

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits	Qualifier Type*	
200.7-080218A	HARDNESS	72.3	69.5	mg/L	200.7	104	80-120	LFB	
508_080221	TETRACHLORO-M-XYLENE (SURR)	94		%	508.1		70-130	LFB	
515_080226	2,4 - D	2	2	ug/L	515.1	100	70-130	LFB	
	2,4 - DCAA (SURR)	99		%	515.1		70-130		
	2,4 DB	9.3	8	ug/L	515.1	116	70-130		
	2,4,5 - TP (SILVEX)	0.9	1	ug/L	515.1	90	70-130		
	2,4,5 T	0.94	1	ug/L	515.1	94	70-130		
	ACIFLUORFEN	0.91	1	ug/L	515.1	91	70-130		
	BENTAZON	2	2	ug/L	515.1	100	70-130		
	CHLORAMBEN	0.7	1	ug/L	515.1	70	70-130		
	DALAPON	8.2	13	ug/L	515.1	63	70-130		
	DICAMBA	0.84	1	ug/L	515.1	84	70-130		
	DICHLORPROP	2.8	3	ug/L	515.1	93	70-130		
	DINOSEB	1.8	2	ug/L	515.1	90	70-130		
	PENTACHLOROPHENOL	0.87	1	ug/L	515.1	87	70-130		
	PICLORAM	0.9	1	ug/L	515.1	90	70-130		
	TOTAL (DCPA & Metabolites)	1.2	1	ug/L	515.1	120	70-130		
525_080221	1,3-DIMETHYL-2-NITROBENZENE (Surr)	101		%	525.2		70-130	LFB	
	4,4-DDD	1.21	1	ug/L	525.2	121	70-130		
	4,4-DDE	1.17	1	ug/L	525.2	117	70-130		
	4,4-DDT	1.17	1	ug/L	525.2	117	70-130		
	ACENAPHTHYLENE	1.05	1	ug/L	525.2	105	70-130		
	ALACHLOR	2.24	2	ug/L	525.2	112	70-130		
	ALDRIN	0.94	1	ug/L	525.2	94	70-130		
	ANTHRACENE	0.87	1	ug/L	525.2	87	70-130		
	ATRAZINE	2.41	2	ug/L	525.2	121	70-130		
	BENZ(A)ANTHRACENE	1.11	1	ug/L	525.2	111	70-130		
	BENZO(A)PYRENE	0.98	1	ug/L	525.2	98	70-130		
	BENZO(B)FLUORANTHENE	1.16	1	ug/L	525.2	116	70-130		
	BENZO(G,H,I)PERYLENE	0.76	1	ug/L	525.2	76	70-130		
	BENZO(K)FLUORANTHENE	1.18	1	ug/L	525.2	118	70-130		

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-01833
 Report Date: 03/10/08

Batch	Analyte	Result	True			Method	%	QC		Comment
			Value	Units	Recovery			Limits	Qualifier Type*	
525_080221	BENZYL BUTYL PHTHALATE	1.21	1	ug/L	525.2	121	70-130		LFB	
	BROMACIL	1.36	1	ug/L	525.2	136	70-130		HQ	
	BUTACHLOR	1.41	1	ug/L	525.2	141	70-130		HQ	
	CHLORDANE, TECHNICAL	1.09	1	ug/L	525.2	109	70-130			
	CHRYSENE	1.08	1	ug/L	525.2	108	70-130			
	CYANAZINE	0.99	1	ug/L	525.2	99	70-130			
	DI(ETHYLHEXYL)-ADIPATE	1.2	1	ug/L	525.2	120	70-130			
	DI(ETHYLHEXYL)-PHTHALATE	2.58	1	ug/L	525.2	258	70-130		B1	
	DIAZINON	3.57	3	ug/L	525.2	119	70-130			
	DIBENZO(A,H)ANTHRACENE	0.82	1	ug/L	525.2	82	70-130			
	DIELDRIN	1.09	1	ug/L	525.2	109	70-130			
	DIETHYL PHTHALATE	1.02	1	ug/L	525.2	102	70-130			
	DIMETHYL PHTHALATE	1.12	1	ug/L	525.2	112	70-130			
	DI-N-BUTYL PHTHALATE	1.17	1	ug/L	525.2	117	70-130			
	ENDRIN	1.24	1	ug/L	525.2	124	70-130			
	EPTC	1.09	1	ug/L	525.2	109	70-130			
	FLUORENE	1.13	1	ug/L	525.2	113	70-130			
	HEPTACHLOR	1.2	1	ug/L	525.2	120	70-130			
	HEPTACHLOR EPOXIDE	1.11	1	ug/L	525.2	111	70-130			
	HEXACHLOROBENZENE	1.09	1	ug/L	525.2	109	70-130			
	HEXACHLOROCYCLO-PENTADIENE	1.14	1	ug/L	525.2	114	70-130			
	INDENO(1,2,3-CD)PYRENE	0.82	1	ug/L	525.2	82	70-130			
	LINDANE (BHC - GAMMA)	1.13	1	ug/L	525.2	113	70-130			
	MALATHION	3.23	3	ug/L	525.2	108	70-130			
	METHOXYCHLOR	1.3	1	ug/L	525.2	130	70-130			
	METOLACHLOR	1.23	1	ug/L	525.2	123	70-130			
	METRIBUZIN	1.18	1	ug/L	525.2	118	70-130			
	PARATHION	4.33	3	ug/L	525.2	144	70-130		HQ	
	PENTACHLOROPHENOL	5.4	4	ug/L	525.2	135	70-130		HQ	
	PERYLENE-D12 (Surr)	92		%	525.2		70-130			
	PHENANTHRENE	1.04	1	ug/L	525.2	104	70-130			
	PROPACHLOR	1.18	1	ug/L	525.2	118	70-130			
	PYRENE	1.09	1	ug/L	525.2	109	70-130			
	PYRENE-D10 (Surr)	102		%	525.2		70-130			
	SIMAZINE	1.15	1	ug/L	525.2	115	70-130			
	TERBACIL	1.28	1	ug/L	525.2	128	70-130			
	TRIFLURALIN	1.24	1	ug/L	525.2	124	70-130			

*Notation:
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	%		QC		
			Value	Units		Recovery	Limits	Qualifier Type*	Comment	
525_080221	TRIPHENYLPHOSPHATE (Surr)	107		%	525.2			70-130	LFB	
525X_080221	HEXAZINONE (Velpar)	1.2	1	ug/L	525.2	120		70-130	LFB	
531_080225	3-HYDROXYCARBOFURAN	10.2	10	ug/L	531.2	102		70-130	LFB	
	ALDICARB	9.1	10	ug/L	531.2	91		70-130		
	ALDICARB SULFONE	10.2	10	ug/L	531.2	102		70-130		
	ALDICARB SULFOXIDE	8.9	10	ug/L	531.2	89		70-130		
	CARBARYL	10	10	ug/L	531.2	100		70-130		
	CARBOFURAN	9.8	10	ug/L	531.2	98		70-130		
	METHIOCARB	9.2	10	ug/L	531.2	92		70-130		
	METHOMYL	10.1	10	ug/L	531.2	101		70-130		
	OXYMAL	10.8	10	ug/L	531.2	108		70-130		
	PROPOXUR (BAYGON)	10	10	ug/L	531.2	100		70-130		
531_080225	3-HYDROXYCARBOFURAN	4.4	5	ug/L	531.2	88		70-130	LFB	
	ALDICARB	4.6	5	ug/L	531.2	92		70-130		
	ALDICARB SULFONE	4.5	5	ug/L	531.2	90		70-130		
	ALDICARB SULFOXIDE	4.1	5	ug/L	531.2	82		70-130		
	CARBARYL	5.1	5	ug/L	531.2	102		70-130		
	CARBOFURAN	4.4	5	ug/L	531.2	88		70-130		
	METHIOCARB	4.5	5	ug/L	531.2	90		70-130		
	METHOMYL	4.9	5	ug/L	531.2	98		70-130		
	OXYMAL	5	5	ug/L	531.2	100		70-130		
	PROPOXUR (BAYGON)	4.5	5	ug/L	531.2	90		70-130		
549P_080220	PARAQUAT	22.11	20	ug/L	549.2	111		70-130	LFB	
COD_080215	CHEMICAL OXYGEN DEMAND	50	50	mg/L	SM5220 D	100		80-120	LFB	
OPHOS-080214A	ORTHO-PHOSPHATE	1.02	1.00	mg/L	SM4500-P F	102		70-130	LFB	

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Laboratory Fortified Blank

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	%	Recovery Limits	QC	
			Value	Units				Qualifier	Type*
WALLA_080221	AZINPHOS-METHYL	3	2	ug/L	525.2	150	70-130	HQ	LFB
	CHLORPYRIFOS	3.4	3	ug/L	525.2	113	70-130		
	DIMETHOATE	1.8	2	ug/L	525.2	90	70-130		
	FENARIMOL	1.4	1	ug/L	525.2	140	70-130	HQ	
	METHYL PARATHION	2.6	2	ug/L	525.2	130	70-130		
	MEVINPHOS	4.5	3	ug/L	525.2	150	70-130	HQ	
	NAPROPAMIDE	1.2	1	ug/L	525.2	120	70-130		
	TRIADIMEFON	1.2	1	ug/L	525.2	120	70-130		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits	Qualifier Type*	
200.7-080218A	HARDNESS	ND		mg/L	200.7		10.0000	LRB	
COD_080215	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		4.0000	LRB	
D080303A	BROMATE	ND		mg/L	300.1		0.0050	LRB	
D080306A	BROMATE	ND		mg/L	300.1		0.0050	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.0000	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.0000	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.0000	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.0000	LRB	
I080214A	CHLORIDE	ND		mg/L	300.0		0.1000	LRB	
	NITRATE-N	ND		mg/L	300.0		0.1000		
I080215	CHLORIDE	ND		mg/L	300.0		0.1000	LRB	
	NITRATE-N	ND		mg/L	300.0		0.1000		
OPHOS-080214A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.1000	LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		10.0000	LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		10.0000	LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		10.0000	LRB	
TURB_080214	TURBIDITY	ND		NTU	180.1		0.0200	LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-01833
Report Date: 03/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier Type*	Comment
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	%		QC	Comment
			Value	Units		Recovery	Limits	Qualifier Type*	
200.7-080218A	HARDNESS	ND		mg/L	200.7		0.82000	MB	
508_080221	AROCLOR 1016	ND		ug/L	508.1		0.02000	MB	
	AROCLOR 1221	ND		ug/L	508.1		0.12000		
	AROCLOR 1232	ND		ug/L	508.1		0.02000		
	AROCLOR 1242	ND		ug/L	508.1		0.02000		
	AROCLOR 1248	ND		ug/L	508.1		0.02000		
	AROCLOR 1254	ND		ug/L	508.1		0.02000		
	AROCLOR 1260	ND		ug/L	508.1		0.02000		
	TETRACHLORO-M-XYLENE (SURRE)	100		%	508.1		0.00000		
515_080226	2,4 - D	ND		ug/L	515.1		0.05000	MB	
	2,4 - DCAA (SURRE)	103		%	515.1				
	2,4 DB	ND		ug/L	515.1		0.25000		
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.10000		
	2,4,5 T	ND		ug/L	515.1		0.10000		
	ACIFLUORFEN	ND		ug/L	515.1		0.50000		
	BENTAZON	ND		ug/L	515.1		0.12000		
	CHLORAMBEN	ND		ug/L	515.1		0.20000		
	DALAPON	ND		ug/L	515.1		0.50000		
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.10000		
	DICAMBA	ND		ug/L	515.1		0.05000		
	DICHLORPROP	ND		ug/L	515.1		0.12000		
	DINOSEB	ND		ug/L	515.1		0.10000		
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.02000		
	PICLORAM	ND		ug/L	515.1		0.05000		
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.02000		
525_080221	1,3-DIMETHYL-2-NITROBENZENE (Surr)	93		%	525.2			MB	
	4,4-DDD	ND		ug/L	525.2		0.05000		
	4,4-DDE	ND		ug/L	525.2		0.05000		
	4,4-DDT	ND		ug/L	525.2		0.05000		
	ACENAPHTHENE	ND		ug/L	525.2		0.05000		
	ALACHLOR	ND		ug/L	525.2		0.02000		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-01833

Report Date: 03/10/08

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			Value	Units		Recovery	Limits	Qualifier	Type*	
525_080221	ALDRIN	ND		ug/L	525.2		0.05000		MB	
	ANTHRACENE	ND		ug/L	525.2		0.05000			
	ATRAZINE	ND		ug/L	525.2		0.02000			
	BENZ(A)ANTHRACENE	ND		ug/L	525.2		0.02000			
	BENZO(A)PYRENE	ND		ug/L	525.2		0.02000			
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2		0.05000			
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2		0.05000			
	BENZO(K)FLUORANTHENE	ND		ug/L	525.2		0.05000			
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2		0.60000			
	BROMACIL	ND		ug/L	525.2		0.05000			
	BUTACHLOR	ND		ug/L	525.2		0.10000			
	CHLORDANE, TECHNICAL	ND		ug/L	525.2		0.02000			
	CHRYSENE	ND		ug/L	525.2		0.05000			
	CYANAZINE	ND		ug/L	525.2		0.05000			
	DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2		0.02000			
	DI(ETHYLHEXYL)-PHTHALATE	2.5		ug/L	525.2		0.60000			
	DIAZINON	ND		ug/L	525.2		0.05000			
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2		0.05000			
	DIELDRIN	ND		ug/L	525.2		0.05000			
	DIETHYL PHTHALATE	ND		ug/L	525.2		0.60000			
	DIMETHYL PHTHALATE	ND		ug/L	525.2		0.60000			
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2		0.60000			
	ENDRIN	ND		ug/L	525.2		0.02000			
	EPTC	ND		ug/L	525.2		0.07000			
	FLUORANTHENE	ND		ug/L	525.2		0.05000			
	FLUORENE	ND		ug/L	525.2		0.05000			
	HEPTACHLOR	ND		ug/L	525.2		0.02000			
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2		0.02000			
	HEXACHLOROBENZENE	ND		ug/L	525.2		0.02000			
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2		0.02000			
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2		0.05000			
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.02000			
	MALATHION	ND		ug/L	525.2		0.05000			
	METHOXYCHLOR	ND		ug/L	525.2		0.02000			
	METOLACHLOR	ND		ug/L	525.2		0.25000			
	METRIBUZIN	ND		ug/L	525.2		0.05000			
	NAPHTHALENE	ND		ug/L	525.2		0.02000			

*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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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Method Blank

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	% Recovery	QC		Comment
			Value	Units			Limits	Qualifier Type*	
525_080221	PARATHION	ND		ug/L	525.2		0.05000	MB	
	PENTACHLOROPHENOL	ND		ug/L	525.2		0.04000		
	PERYLENE-D12 (Surr)	88		%	525.2				
	PHENANTHRENE	ND		ug/L	525.2		0.05000		
	PROPACHLOR	ND		ug/L	525.2		0.05000		
	PYRENE	ND		ug/L	525.2		0.05000		
	PYRENE-D10 (Surr)	99		%	525.2				
	SIMAZINE	ND		ug/L	525.2		0.02000		
	TERBACIL	ND		ug/L	525.2		0.05000		
	TRIFLURALIN	ND		ug/L	525.2		0.05000		
	TRIPHENYLPHOSPHATE (Surr)	106		%	525.2				
525X_080221	HEXAZINONE (Veipar)	ND		ug/L	525.2		0.02000	MB	
531_080225	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000	MB	
	ALDICARB	ND		ug/L	531.2		0.25000		
	ALDICARB SULFONE	ND		ug/L	531.2		0.40000		
	ALDICARB SULFOXIDE	ND		ug/L	531.2		0.25000		
	CARBARYL	ND		ug/L	531.2		0.50000		
	CARBOFURAN	ND		ug/L	531.2		0.45000		
	METHIOCARB	ND		ug/L	531.2		1.00000		
	METHOMYL	ND		ug/L	531.2		0.25000		
	OXYMAL	ND		ug/L	531.2		1.00000		
	PROPOXUR (BAYGON)	ND		ug/L	531.2		0.25000		
549P_080220	PARAQUAT	ND		ug/L	549.2		0.50000	MB	
OPHOS-080214A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000	MB	
WALLA_080221	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000	MB	
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000		
	DICOFOL	ND		ug/L	525.2		0.00000		

*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**

Method Blank

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	% Recovery		QC	Comment
			Value	Units		Limits	Qualifier Type*		
WALLA_080221	DIMETHOATE	ND		ug/L	525.2	0.00000		MB	
	FENARIMOL	ND		ug/L	525.2	0.00000			
	HEXAZINONE	ND		ug/L	525.2	0.00000			
	MALATHION	ND		ug/L	525.2	0.05000			
	METALAXYL	ND		ug/L	525.2	0.10000			
	METHYL PARATHION	ND		ug/L	525.2	0.00000			
	MEVINPHOS	ND		ug/L	525.2	0.00000			
	NAPROPAMIDE	ND		ug/L	525.2	0.00000			
	PARATHION-ETHYL	ND		ug/L	525.2	0.05000			
	PHOSMET	ND		ug/L	525.2	0.10000			
TRIADIMEFON	ND		ug/L	525.2	0.00000				

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-01833

Report Date: 03/10/08

Batch	Analyte	Result	True		Method	%		QC	Comment
			Value	Units		Recovery	Limits	Qualifier Type*	
200.7-080218A	HARDNESS	134	132.3	mg/L	200.7	101	80-120	QCS	
COD_080215	CHEMICAL OXYGEN DEMAND	63	66	mg/L	SM5220 D	95	80-120	QCS	
D080303A	BROMATE	0.0178	0.0184	mg/L	300.1	97	75-125	QCS	
D080306A	BROMATE	0.018	0.0184	mg/L	300.1	98	75-125	QCS	
EC_080215	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120	QCS	
EC_080215	ELECTRICAL CONDUCTIVITY	170	169	uS/cm	SM2510 B	101	80-120	QCS	
EC_080215	ELECTRICAL CONDUCTIVITY	169	169	uS/cm	SM2510 B	100	80-120	QCS	
EC_080215	ELECTRICAL CONDUCTIVITY	170	169	uS/cm	SM2510 B	101	80-120	QCS	
I080214A	CHLORIDE	30	30.0	mg/L	300.0	100	80-120	QCS	
	NITRATE-N	2.47	2.50	mg/L	300.0	99	80-120		
I080215	CHLORIDE	31	30.0	mg/L	300.0	103	80-120	QCS	
	NITRATE-N	2.52	2.50	mg/L	300.0	101	80-120		
OPHOS-080214A	ORTHO-PHOSPHATE	0.48	0.48	mg/L	SM4500-P F	100	70-130	QCS	
TDS_080218	TOTAL DISSOLVED SOLIDS	492	500	mg/L	SM2540 C	98	80-120	QCS	
TDS_080218	TOTAL DISSOLVED SOLIDS	506	500	mg/L	SM2540 C	101	80-120	QCS	
TDS_080218	TOTAL DISSOLVED SOLIDS	522	500	mg/L	SM2540 C	104	80-120	QCS	
TURB_080214	TURBIDITY	1.05	1.00	NTU	180.1	105	70-130	QCS	

*Notation:

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: 08-01833
 Report Date: 03/10/08

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

*Notation:
 % Recovery = (Result of Analysis)/(True Value) * 100
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QUALITY CONTROL REPORT
Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-01833

Report Date: 3/10/2008

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7-080218A	4310	HARDNESS	4.39	4.42	mg CaCO3/L	0.7	0-45		DUP
525_080221	4099	BROMACIL	0.32	0.39	ug/L	19.7	0-45		DUP
	4099	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98	96	%	2.1	0-45		DUP
	4099	PYRENE-D10 (Surr)	93	105	%	12.1	0-45		DUP
	4099	PERYLENE-D12 (Surr)	87	98	%	11.9	0-45		DUP
	4099	TRIPHENYLPHOSPHATE (Surr)	105	112	%	6.5	0-45		DUP
	4101	1,3-DIMETHYL-2-NITROBENZENE (Surr)	97	104	%	7.0	0-45		DUP
	4101	PYRENE-D10 (Surr)	105	89	%	16.5	0-45		DUP
	4101	PERYLENE-D12 (Surr)	88	83	%	5.8	0-45		DUP
	4101	TRIPHENYLPHOSPHATE (Surr)	106	101	%	4.8	0-45		DUP
COD_080215	4105	CHEMICAL OXYGEN DEMAND	17	16	mg/L	6.1	0-45		DUP
D080303A	3610	BROMATE	0.007	0.007	mg/L	0.0	0-30		DUP
D080306A									
EC_080215	3974	ELECTRICAL CONDUCTIVITY	336	337	uS/cm	0.3	0-45		DUP
	4208	ELECTRICAL CONDUCTIVITY	494	493	uS/cm	0.2	0-45		DUP
	4246	ELECTRICAL CONDUCTIVITY	586	586	uS/cm	0.0	0-45		DUP
I080214A	4196	CHLORIDE	0.2	0.3	mg/L	40.0	0-45		DUP
	4209	NITRATE-N	1.21	1.22	mg/L	0.8	0-45		DUP
	4209	CHLORIDE	30	30	mg/L	0.0	0-45		DUP
	4246	NITRATE-N	0.14	0.15	mg/L	6.9	0-45		DUP
	4246	CHLORIDE	34	34	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 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

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC	Comments
			Result	Result				Qualifier	
I080215									
	4196	CHLORIDE	0.3	0.3	mg/L	0.0	0-45	DUP	
	4249	CHLORIDE	19.3	19	mg/L	1.6	0-45	DUP	
OPHOS-080214A									
	4105	ORTHO-PHOSPHATE	0.31	0.31	mg/L	0.0	0-50	DUP	
PH_080214									
	4102	HYDROGEN ION (pH)	6.67	6.60	pH Units	1.1	0-45	DUP	
	4105	HYDROGEN ION (pH)	7.64	7.62	pH Units	0.3	0-45	DUP	
TDS_080218									
	4102	TOTAL DISSOLVED SOLIDS	137	138	mg/L	0.7	0-45	DUP	
	4252	TOTAL DISSOLVED SOLIDS	268	272	mg/L	1.5	0-45	DUP	
TURB_080214									
	4196	TURBIDITY	0.12	0.12	NTU	0.0	0-50	DUP	

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits	%RPD	Limits	QC Qualifier	Comments
					Spike Result	Spike Conc			MS	MSD					
200.7-080218A															
	4196	HARDNESS	ND	73.6	73.6	69.5	mg CaCO3/L	106	106	80-120	0.0	0-60		LFM	
	4310	HARDNESS	4.39	76.8	76.5	69.5	mg CaCO3/L	104	104	80-120	0.4	0-60		LFM	
515_080226															
	5142	2,4 - D	ND	1.8	1.7	2	ug/L	90	85	65-135	5.7	0-60		LFM	
	5142	2,4,5 - TP (SILVEX)	ND	0.85	0.81	1	ug/L	85	81	65-135	4.8	0-60		LFM	
	5142	PENTACHLOROPHENOL	ND	0.88	0.81	1	ug/L	88	81	65-135	8.3	0-60		LFM	
	5142	DALAPON	ND	8.1	8.9	13	ug/L	62	68	65-135	9.4	0-60		LFM	
	5142	DINOSEB	ND	1.7	1.5	2	ug/L	85	75	65-135	12.5	0-60		LFM	
	5142	PICLORAM	ND	0.85	0.79	1	ug/L	85	79	65-135	7.3	0-60		LFM	
	5142	DICAMBA	ND	0.8	0.78	1	ug/L	80	78	65-135	2.5	0-60		LFM	
	5142	TOTAL (DCPA & Metabolites)	ND	1.15	1.1	1	ug/L	115	110	65-135	4.4	0-60		LFM	
	5142	2,4 DB	ND	9.1	8.1	8	ug/L	114	101	65-135	11.6	0-60		LFM	
	5142	2,4,5 T	ND	0.87	0.5	1	ug/L	87	50	65-135	54.0	0-60		LFM	
	5142	BENTAZON	ND	2	1.7	2	ug/L	100	85	65-135	16.2	0-60		LFM	
	5142	DICHLORPROP	ND	2.8	2.6	3	ug/L	93	87	65-135	7.4	0-60		LFM	
	5142	ACIFLUORFEN	ND	0.81	0.82	1	ug/L	81	82	65-135	1.2	0-60		LFM	
	5142	CHLORAMBEN	ND	0.7	0.7	1	ug/L	70	70	65-135	0.0	0-50		LFM	
	5142	2,4 - DCAA (SURR)	107	103	98		%			70-130	NA	0-60		LFM	
525_080221															
	4103	ENDRIN	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	4103	LINDANE (BHC - GAMMA)	ND	0.97		1	ug/L	97	NA	70-130	NA	0-60		LFM	
	4103	METHOXYCHLOR	ND	1.27		1	ug/L	127	NA	70-130	NA	0-60		LFM	
	4103	ALACHLOR	ND	2.07		2	ug/L	104	NA	70-130	NA	0-60		LFM	
	4103	ATRAZINE	ND	2.46		2	ug/L	123	NA	70-130	NA	0-60		LFM	
	4103	BENZO(A)PYRENE	ND	0		1	ug/L	0	NA	70-130	NA	0-60	ME	LFM	
	4103	CHLORDANE, TECHNICAL	ND	0.94		1	ug/L	94	NA	70-130	NA	0-60		LFM	
	4103	DI(ETHYLHEXYL)-ADIPATE	ND	1.16		1	ug/L	116	NA	70-130	NA	0-60		LFM	
	4103	DI(ETHYLHEXYL)-PHTHALATE	ND	1.37		1	ug/L	137	NA	70-130	NA	0-60	B3	LFM	Sample 0.3 ug/L
	4103	HEPTACHLOR	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM	
	4103	HEPTACHLOR EPOXIDE	ND	0.94		1	ug/L	94	NA	70-130	NA	0-50		LFM	
	4103	HEXACHLOROBENZENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	4103	HEXACHLOROCYCLO-PENTADIENE	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	4103	SIMAZINE	ND	1.19		1	ug/L	119	NA	70-130	NA	0-60		LFM	
	4103	PENTACHLOROPHENOL	ND	4.03		4	ug/L	101	NA	70-130	NA	0-50		LFM	
	4103	ALDRIN	ND	0.91		1	ug/L	91	NA	70-130	NA	0-60		LFM	

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery			%RPD	Limits	QC Qualifier	Comments
					Spike Result	Spike Conc		MS	MSD	Limits				
4103	BUTACHLOR		ND	1.22		1	ug/L	122	NA	70-130	NA	0-60	LFM	
4103	DIELDRLN		ND	1.02		1	ug/L	102	NA	70-130	NA	0-60	LFM	
4103	METOLACHLOR		ND	1.11		1	ug/L	111	NA	70-130	NA	0-60	LFM	
4103	METRIBUZIN		ND	1.05		1	ug/L	105	NA	70-130	NA	0-60	LFM	
4103	PROPACHLOR		ND	1.22		1	ug/L	122	NA	70-130	NA	0-60	LFM	
4103	BROMACIL		ND	1.2		1	ug/L	120	NA	70-130	NA	0-60	LFM	
4103	TERBACIL		ND	1.22		1	ug/L	122	NA	70-130	NA	0-60	LFM	
4103	DIAZINON		ND	1.88		3	ug/L	63	NA	70-130	NA	0-60	QA	LFM
4103	SIMAZINE		ND	1.19		1	ug/L	119	NA	70-130	NA	0-60		LFM
4103	EPTC		ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM
4103	DIAZINON		ND	1.88		3	ug/L	63	NA	70-130	NA	0-60	QA	LFM
4103	4,4-DDD		ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM
4103	4,4-DDE		ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM
4103	LINDANE (BHC - GAMMA)		ND	0.97		1	ug/L	97	NA	70-130	NA	0-60		LFM
4103	4,4-DDT		ND	1.09		1	ug/L	109	NA	70-130	NA	0-60		LFM
4103	CYANAZINE		ND	0.9		1	ug/L	90	NA	70-130	NA	0-60		LFM
4103	MALATHION		ND	2.93		3	ug/L	98	NA	70-130	NA	0-60		LFM
4103	PARATHION		ND	3.76		3	ug/L	125	NA	70-130	NA	0-60		LFM
4103	TRIFLURALIN		ND	1.18		1	ug/L	118	NA	70-130	NA	0-60		LFM
4103	4,4-DDD		ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM
4103	4,4-DDE		ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM
4103	4,4-DDT		ND	1.09		1	ug/L	109	NA	70-130	NA	0-60		LFM
4103	MALATHION		ND	2.93		3	ug/L	98	NA	70-130	NA	0-60		LFM
4103	PARATHION-ETHYL		ND	3.76		3	ug/L	125	NA	70-130	NA	0-60		LFM
4103	FLUORENE		ND	1.19		1	ug/L	119	NA	70-130	NA	0-60		LFM
4103	ACENAPHTHYLENE		ND	0.78		1	ug/L	78	NA	70-130	NA	0-60		LFM
4103	ANTHRACENE		ND	0		1	ug/L	0	NA	70-130	NA	0-60		LFM
4103	BENZ(A)ANTHRACENE		ND	0.1		1	ug/L	10	NA	70-130	NA	0-60	ME	LFM
4103	BENZO(B)FLUORANTHENE		ND	1.18		1	ug/L	118	NA	70-130	NA	0-60		LFM
4103	BENZO(K)FLUORANTHENE		ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM
4103	CHRYSENE		ND	0.99		1	ug/L	99	NA	70-130	NA	0-60		LFM
4103	DIBENZO(A,H)ANTHRACENE		ND	0.94		1	ug/L	94	NA	70-130	NA	0-60		LFM
4103	INDENO(1,2,3-CD)PYRENE		ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM
4103	PHENANTHRENE		ND	0.97		1	ug/L	97	NA	70-130	NA	0-60		LFM
4103	PYRENE		ND	0.7		1	ug/L	70	NA	70-130	NA	0-60		LFM
4103	BENZYL BUTYL PHTHALATE		ND	1.11		1	ug/L	111	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

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits	%RPD	Limits	QC Qualifier	Comments
				Spike Result	Spike Result			MS	MSD					
	4103	DI-N-BUTYL PHTHALATE	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM
	4103	DIETHYL PHTHALATE	ND	1.2		1	ug/L	120	NA	70-130	NA	0-60		LFM
	4103	DIMETHYL PHTHALATE	ND	1.14		1	ug/L	114	NA	70-130	NA	0-60		LFM
	4103	1,3-DIMETHYL-2-NITROBENZENE (Surr)	99	100			%		NA	70-130	NA	0-60		LFM
	4103	PYRENE-D10 (Surr)	95	77			%		NA	70-130	NA	0-60		LFM
	4103	PERYLENE-D12 (Surr)	90	82			%		NA	70-130	NA	0-60		LFM
	4103	TRIPHENYLPHOSPHATE (Surr)	103	105			%		NA	70-130	NA	0-60		LFM
525X_080221														
	4103	HEXAZINONE	ND	1.23		1	ug/L	123	NA	70-130	NA	0-50		LFM
	4103	HEXAZINONE (Velpar)	ND	1.23		1	ug/L	123	NA	70-130	NA	0-60		LFM
531_080225														
	4102	OXYMAL	ND	9.3	10.8	10	ug/L	93	108	70-130	14.9	0-50		LFM
	4102	CARBOFURAN	ND	8.5	9.7	10	ug/L	85	97	70-130	13.2	0-50		LFM
	4102	ALDICARB SULFOXIDE	ND	7.5	8.5	10	ug/L	75	85	70-130	12.5	0-50		LFM
	4102	ALDICARB SULFONE	ND	8.4	9.4	10	ug/L	84	94	70-130	11.2	0-50		LFM
	4102	METHOMYL	ND	9.2	10.8	10	ug/L	92	108	70-130	16.0	0-50		LFM
	4102	3-HYDROXYCARBOFURAN	ND	9.3	10.6	10	ug/L	93	106	70-130	13.1	0-50		LFM
	4102	ALDICARB	ND	8.8	9.9	10	ug/L	88	99	70-130	11.8	0-50		LFM
	4102	CARBARYL	ND	9.1	10.6	10	ug/L	91	106	70-130	15.2	0-50		LFM
	4102	PROPOXUR (BAYGON)	ND	8.7	10	10	ug/L	87	100	70-130	13.9	0-50		LFM
	4102	METHIOCARB	ND	8.4	9.8	10	ug/L	84	98	70-130	15.4	0-50		LFM
	4638	OXYMAL	ND	9.8		10	ug/L	98	NA	70-130	NA	0-50		LFM
	4638	CARBOFURAN	ND	8.9		10	ug/L	89	NA	70-130	NA	0-50		LFM
	4638	ALDICARB SULFOXIDE	ND	7.8		10	ug/L	78	NA	70-130	NA	0-50		LFM
	4638	ALDICARB SULFONE	ND	8.5		10	ug/L	85	NA	70-130	NA	0-50		LFM
	4638	METHOMYL	ND	10		10	ug/L	100	NA	70-130	NA	0-50		LFM
	4638	3-HYDROXYCARBOFURAN	ND	10		10	ug/L	100	NA	70-130	NA	0-50		LFM
	4638	ALDICARB	ND	9.2		10	ug/L	92	NA	70-130	NA	0-50		LFM
	4638	CARBARYL	ND	9.3		10	ug/L	93	NA	70-130	NA	0-50		LFM
	4638	PROPOXUR (BAYGON)	ND	9.2		10	ug/L	92	NA	70-130	NA	0-50		LFM
	4638	METHIOCARB	ND	8.4		10	ug/L	84	NA	70-130	NA	0-50		LFM
549P_080220														
	4104	PARAQUAT		0.4		2	ug/L	20	NA	70-130	NA	0-50	ME	LFM
COD_080215														
	4099	CHEMICAL OXYGEN DEMAND	7	55	56	50	mg/L	96	98	80-120	2.1	0-60		LFM
	4105	CHEMICAL OXYGEN DEMAND	17	65	66	50	mg/L	96	98	80-120	2.1	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

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Units	Percent Recovery		Limits	%RPD	Limits	QC Qualifier	Comments
					Spike Result	Spike Conc		MS	MSD					
D080303A														
	3662	BROMATE	ND	0.010		0.010	mg/L	100	NA	75-125	NA	0-60		LFM
	4638	BROMATE	ND	0.010		0.010	mg/L	100	NA	75-125	NA	0-60		LFM
D080306A														
	4196	BROMATE	ND	0.010		0.010	mg/L	100	NA	75-125	NA	0-60		LFM
I080214A														
	4196	NITRATE-N	ND	1.01		1.00	mg/L	101	NA	80-120	NA	0-60		LFM
	4196	CHLORIDE	0.2	1.3		1.00	mg/L	110	NA	80-120	NA	0-60		LFM
	4209	NITRATE-N	1.21	2.21		1.00	mg/L	100	NA	80-120	NA	0-60		LFM
	4246	NITRATE-N	0.14	1.14		1.00	mg/L	100	NA	80-120	NA	0-60		LFM
I080215														
	4196	NITRATE-N	ND	1.06		1.00	mg/L	106	NA	80-120	NA	0-60		LFM
	4196	CHLORIDE	0.3	1.4		1.00	mg/L	110	NA	80-120	NA	0-60		LFM
	4249	NITRATE-N	ND	1.38		1.00	mg/L	138	NA	80-120	NA	0-60	M	LFM Chlorinated
	4249	CHLORIDE	19.3	20.6		1.00	mg/L	130	NA	80-120	NA	0-60	S	LFM
OPHOS-080214A														
	4105	ORTHO-PHOSPHATE	0.31	1.33	1.32	1.00	mg/L	102	101	70-130	1.0	0-50		LFM
WALLA_080221														
	4103	DIMETHOATE	ND	1.5		2	ug/L	75	NA	70-130	NA	0-50		LFM
	4103	NAPROPAMIDE	ND	1		1	ug/L	100	NA	70-130	NA	0-50		LFM
	4103	FENARIMOL	ND	1.3		1	ug/L	130	NA	70-130	NA	0-50		LFM
	4103	MEVINPHOS	ND	4.5		3	ug/L	160	NA	70-130	NA	0-50	HQ	LFM
	4103	AZINPHOS-METHYL	ND	2.75		2	ug/L	138	NA	70-130	NA	0-50	HQ	LFM
	4103	CHLORPYRIFOS	ND	3		3	ug/L	100	NA	70-130	NA	0-50		LFM
	4103	METHYL PARATHION	ND	2.3		2	ug/L	115	NA	70-130	NA	0-50		LFM
	4103	TRIADIMEFON	ND	1.1		1	ug/L	110	NA	70-130	NA	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

Qualifier Definitions

Reference Number: 08-01833

Report Date: 03/10/08

Qualifier	Definition
B1	The source of the contamination has been identified as a contaminate in the lab purified water. Data for this compound is suspect if reported.
B3	The recovery of the Matrix Spike is outside the upper limit due to a sample amount that is less than the reporting limit.
D2	Data is "suspect" the matrix spike of this sample is lower than expected. The fortified blank is within acceptance limits.
HQ	High QCS recovery due to increased detector response of the sample extract. The continuing calibration checks are within acceptance limits.
M	Matrix induced bias assumed.
ME	Matrix spike shows a possible matrix induced bias. The LFB was within acceptance limits, results for this compound are suspect.
QA	Acceptance Limits do not apply. This method is not the primary method for qualitative analysis.
S	Spiking amount was lower than the 5:1 spike to background (sample amount) basis for performance criteria. The reported criteria does not apply due to increased errors in measurement of both sample and spike concentration.

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



**QUALITY CONTROL REPORT
SURROGATE REPORT**

Reference Number: 08-01833

Report Date: 03/10/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
508_080221 4099	TETRACHLORO-M-XYLENE (SURR)	101		%	508.1	Acceptance Limits 70%-130%
525_080221 4099	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	93		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	87		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	105		%		Acceptance Range is 70% to 130%
515_080226 4099	2,4 - DCAA (SURR)	99		%	515.1	Acceptance Range is 70 - 130%
508_080221 4100	TETRACHLORO-M-XYLENE (SURR)	96		%	508.1	Acceptance Limits 70%-130%
525_080221 4100	1,3-DIMETHYL-2-NITROBENZENE (Surr)	104		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	82		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	86		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	104		%		Acceptance Range is 70% to 130%
515_080226 4100	2,4 - DCAA (SURR)	103		%	515.1	Acceptance Range is 70 - 130%
508_080221 4101	TETRACHLORO-M-XYLENE (SURR)	97		%	508.1	Acceptance Limits 70%-130%
525_080221 4101	1,3-DIMETHYL-2-NITROBENZENE (Surr)	97		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	105		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	88		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	106		%		Acceptance Range is 70% to 130%
515_080226 4101	2,4 - DCAA (SURR)	94		%	515.1	Acceptance Range is 70 - 130%
525_080221 4102	1,3-DIMETHYL-2-NITROBENZENE (Surr)	99		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	97		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	93		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	105		%		Acceptance Range is 70% to 130%
515_080226 4102	2,4 - DCAA (SURR)	108		%	515.1	Acceptance Range is 70 - 130%
525_080221 4103	1,3-DIMETHYL-2-NITROBENZENE (Surr)	99		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	95		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	90		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	103		%		Acceptance Range is 70% to 130%
515_080226 4103	2,4 - DCAA (SURR)	110		%	515.1	Acceptance Range is 70 - 130%
525_080221 4104	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	97		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	91		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	104		%		Acceptance Range is 70% to 130%
515_080226						

*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.



QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 08-01833
Report Date: 03/10/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
4104	2,4 - DCAA (SURR)	101		%	515.1	Acceptance Range is 70 - 130%
25_080221 4105	1,3-DIMETHYL-2-NITROBENZENE (Surr)	94		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	105		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	95		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	102		%		Acceptance Range is 70% to 130%
15_080226 4105	2,4 - DCAA (SURR)	102		%	515.1	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.

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

4,539

05-01-05
4099-4105



1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Report to: Walla Walla Basin Watershed Council	Bill to: Walla Walla Basin Watershed Council
Ship Address: 810 S Main Street	Address: 810 S Main Street
City: Milton-Freewater St. OR Zip: 97862	City: Milton-Freewater St. OR Zip: 97862
Person: Bob Bower	Phone: _____ FAX: _____
Phone: 541.938-2170 FAX: _____	P.O.#: _____ Attn: _____
Email: bob.bower@wwwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires: _____ / _____
Project: Locher / Hall-Wentland / HBDC	Card#: _____

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.
- 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)

Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Matrix	Date	Time	Nitrate	TDS, Cl, Turb, O-Phos, PH, EC	Hardness	COD	Bromate	525 (Mercuric)	500 Pkg 515, 531	549 Paraguard	Number of Containers	Special Instructions Conditions on Receipt
1	L-1 Locher well #1	/	/	2/13/08	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	✓
2	L-2 Locher well #2	/	/		2:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	✓
3	L-3 Locher well #3	/	/		9:14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	✓
4	HW-1 Hall-Wentland #1	/	/		10:10	<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 type="checkbox"/>	11	✓
5	HW-2 Hall-Wentland #2	/	/		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 type="checkbox"/>	11	✓
6	HW-3 Hall-Wentland #3	/	/		9:45	<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 type="checkbox"/>	11	✓
7	HW-Source Hall-Wentland Source	/	/		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 type="checkbox"/>	11	✓
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"/>		
													Total Containers		



Special Instructions Conditions on Receipt

Sampled by: **T. Baker / W. Lewis** Phone: **541-938-2170** FAX: _____

Email: **Troy.baker@wwwbwc.org**

Sample Receipt Request (Must include FAX or Email)

Relinquished by	Date	Time	Received by	Date	Time
			C. DeWitt	2/14/08	1050

Custody seals intact Yes No N/A

Sample temp **2** C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

UPS

Hall Wentland
4/8/08



Burlington WA 1620 S Walnut St - 98233
Corporate Office 800.755.9295 • 360.757.1400 • 360.757.1402tax
Bellingham WA 805 Orchard Dr Suite 4 - 98225
Microbiology 360.671.0688 • 360.671.1577tax

Data Report

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

Report Date: 4/30/2008
Reference Number: 08-04630
Project: Locher/Hall Wentland/HBDIC

Collected By:

Date Received: 4/10/2008

Peer Review: *DM*

Lab Number: 9998		Sample Description: HW-1 - Hall-Wentland Obs 1						Sample Date: 4/8/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	4/23/2008	MVP	D080423A	
E-11778	HARDNESS	50.2	3.30	0.055	mg CaCl	1.0	200.7	4/14/2008	BJ	200.7-080414A	
14797-55-8	NITRATE-N	1.16	0.100	0.015	mg/L	1.0	300.0	4/10/2008	BJ	I080410A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/15/2008	MAK	COD_080415	
E-10173	TOTAL DISSOLVED SOLIDS	77	10		mg/L	1.0	SM2540 C	4/11/2008	CCN	TDS_080411	
16887-00-6	CHLORIDE	2.5	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	BJ	I080410A	
14265-44-2	ORTHO-PHOSPHATE	0.22	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	SO	OPHOS-080410	
E-10139	HYDROGEN ION (pH)	6.51			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_080410	
E-10817	TURBIDITY	1.98	0.05	0.02	NTU	1.0	180.1	4/10/2008	MAK	TURB_080410	
E-10184	ELECTRICAL CONDUCTIVITY	164	10		uS/cm	1.0	SM2510 B	4/10/2008	CCN	ec_080410	

Lab Number: 9999		Sample Description: HW-2 - Hall-Wentland Obs 2						Sample Date: 4/8/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	4/23/2008	MVP	D080423A	
E-11778	HARDNESS	61.9	3.30	0.055	mg CaCl	1.0	200.7	4/14/2008	BJ	200.7-080414A	
14797-55-8	NITRATE-N	0.8	0.100	0.015	mg/L	1.0	300.0	4/10/2008	BJ	I080410A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/15/2008	MAK	COD_080415	
E-10173	TOTAL DISSOLVED SOLIDS	131	10		mg/L	1.0	SM2540 C	4/11/2008	CCN	TDS_080411	
16887-00-6	CHLORIDE	2.1	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	BJ	I080410A	
14265-44-2	ORTHO-PHOSPHATE	0.26	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	SO	OPHOS-080410	
E-10139	HYDROGEN ION (pH)	6.44			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_080410	
E-10817	TURBIDITY	11.5	0.05	0.02	NTU	1.0	180.1	4/10/2008	MAK	TURB_080410	
E-10184	ELECTRICAL CONDUCTIVITY	182	10		uS/cm	1.0	SM2510 B	4/10/2008	CCN	ec_080410	

Lab Number: 10000		Sample Description: HW-3 - Hall-Wentland Obs						Sample Date: 4/8/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	4/23/2008	MVP	D080423A	
E-10139	HYDROGEN ION (pH)	6.50			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_080410	
E-10184	ELECTRICAL CONDUCTIVITY	157	10		uS/cm	1.0	SM2510 B	4/10/2008	CCN	ec_080410	
E-10817	TURBIDITY	0.43	0.05	0.02	NTU	1.0	180.1	4/10/2008	MAK	TURB_080410	
14797-55-8	NITRATE-N	1.12	0.100	0.015	mg/L	1.0	300.0	4/10/2008	BJ	I080410A	
16887-00-6	CHLORIDE	2.1	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	BJ	I080410A	
E-10173	TOTAL DISSOLVED SOLIDS	112	10		mg/L	1.0	SM2540 C	4/11/2008	CCN	TDS_080411	

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

Data Report

Collected By:

Date Received: 4/10/2008

14265-44-2	ORTHO-PHOSPHATE	0.21	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	SO	OPH08-080410
E-11778	HARDNESS	64.4	3.30	0.055	mg CaCl	1.0	200.7	4/14/2008	BJ	200.7-080414A
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/18/2008	MAK	COD_080415

Lab Number: 10001		Sample Description: HW-SF - Hall-Wentland SF						Sample Date: 4/8/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
15541-45-4	BROMATE	ND	0.005	0.0018	mg/L	1.0	300.1	4/25/2008	MVP	D080425A	
E-10138	HYDROGEN ION (pH)	7.74			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_080410	
E-10184	ELECTRICAL CONDUCTIVITY	115	10		uS/cm	1.0	SM2510 B	4/10/2008	CCN	ec_080410	
E-10617	TURBIDITY	9.90	0.05	0.02	NTU	1.0	180.1	4/10/2008	MAK	TURB_080410	
14787-55-8	NITRATE-N	0.38	0.100	0.015	mg/L	1.0	300.0	4/10/2008	BJ	N080410A	
16887-00-6	CHLORIDE	1.5	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	BJ	R080410A	
E-10173	TOTAL DISSOLVED SOLIDS	85	10		mg/L	1.0	SM2540 C	4/11/2008	CCN	TDS_080411	
14265-44-2	ORTHO-PHOSPHATE	0.18	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	SO	OPH08-080410	
E-11778	HARDNESS	39.3	3.30	0.055	mg CaCl	1.0	200.7	4/14/2008	BJ	200.7-080414A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/18/2008	MAK	COD_080415	

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



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland Obs 1
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609998
 Report Date: 5/5/2008
 Date Analyzed: 4/30/2008
 Extraction Date: 515_080415
 Analyst: CO
 Peer Review: *MVA*
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50584-86-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not Detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland Obs 2
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609999
 Report Date: 5/5/2008
 Date Analyzed: 4/30/2008
 Extraction Date: 515_080415
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 -D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland Obs
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610000
 Report Date: 5/5/2008
 Date Analyzed: 4/30/2008
 Extraction Date: 515_080415
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1
 Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5-T	ND	ug/L	0.1	0.044		
25057-88-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOKIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-SF
 Sample Description: Hall-Wentland SF
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610001
 Report Date: 5/5/2008
 Date Analyzed: 4/30/2008
 Extraction Date: 515_080415
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

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J - Estimated value.



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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland Obs 1
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609998
 Report Date: 4/21/2008
 Date Analyzed: 4/16/2008
 Extraction Date: 531_080416
 Analyst: COX
 Peer Review: MWX
 Analytical Method: 531.2
 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-86-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland Obs 2
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609999
 Report Date: 4/21/2008
 Date Analyzed: 4/16/2008
 Extraction Date: 531_080416
 Analyst: CO
 Peer Review: *WNA*
 Analytical Method: 531.2
 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND - Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland Obs
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610000
 Report Date: 4/21/2008
 Date Analyzed: 4/16/2008
 Extraction Date: 531_080416
 Analyst: COX
 Peer Review: MVR
 Analytical Method: 531.2
 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16855-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-SF
 Sample Description: Hall-Wentland SF
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610001
 Report Date: 4/21/2008
 Date Analyzed: 4/16/2008
 Extraction Date: 531_080416
 Analyst: CO
 Peer Review: *WWR*
 Analytical Method: 531.2
 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1583-86-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-85-7	METHIOCARB	ND	ug/L	1.0	0.76		

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DATA REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland Obs 1
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609998
 Report Date: 4/25/2008
 Date Analyzed: 4/23/2008
 Extraction Date: 508_080421
 Analyst: GEB 
 Peer Review:
 Analytical Method: 508.1
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1 ^A		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1 ^A		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1 ^A		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1 ^A		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1 ^A		
11096-82-5	AROCLOR 1280	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND - Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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DATA REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland Obs 2
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609999
 Report Date: 4/25/2008
 Date Analyzed: 4/23/2008
 Extraction Date: 508_080421
 Analyst: GEB
 Peer Review:
 Analytical Method: 508.1
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53468-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

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DATA REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland Obs
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610000
 Report Date: 4/25/2008
 Date Analyzed: 4/23/2008
 Extraction Date: 508_080421
 Analyst: GEB
 Peer Review:
 Analytical Method: 508.1
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1 ^A		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1 ^A		
53489-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1 ^A		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1 ^A		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1 ^A		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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DATA REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
Field ID: HW-SF
Sample Description: Hall-Wentland SF
Sampled By:
Sample Date: 4/8/2008
Source Type:
Sampler Phone:

Lab Number: 04610001
Report Date: 4/25/2008
Date Analyzed: 4/23/2008
Extraction Date: 508_080421
Analyst: GEB 
Peer Review:
Analytical Method: 508.1

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND = Not detected above the stated practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-1
 Sample Description: Hall-Wentland Obs 1
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609998
 Report Date: 4/25/2008
 Date Analyzed: 4/24/2008
 Extraction Date: 525_080421
 Analyst: COX
 Peer Review: MUP
 Analytical Method: 525.2

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-80-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	1.8D1	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-86-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
81-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 ^A		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 ^A		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 ^A		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-2
 Sample Description: Hall-Wentland Obs 2
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04609999
 Report Date: 5/1/2008
 Date Analyzed: 4/22/2008
 Extraction Date: 525_080421
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	D(KETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	D(KETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT	
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix	
759-94-4	EPTC	ND	ug/L	0.1	0.028			
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024			
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024			
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022			
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only	
121-75-5	MALATHION	ND	ug/L	0.1	0.015			
56-38-2	PARATHION	ND	ug/L	0.1	0.022			
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024			
- PAHs								
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 ^A			
86-73-7	FLUORENE	ND	ug/L	0.1	0.026			
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025			
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 ^A			
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012			
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012			
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025			
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025			
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022			
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022			
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024			
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 ^A			
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040			
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015			
129-00-0	PYRENE	ND	ug/L	0.1	0.022			
- Phthalates								
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022			
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085			
84-68-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044			
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015			

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-3
 Sample Description: Hall-Wentland Obs
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610000
 Report Date: 4/25/2008
 Date Analyzed: 4/24/2008
 Extraction Date: 525_080421
 Analyst: CO
 Peer Review: MWA
 Analytical Method: 525.2
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-84-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1818-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not Detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-6	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
- PAHs							
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 ^A		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 ^A		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZO(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 ^A		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
- Phthalates							
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	D,N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-86-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

ND - Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-04630

Project: Locher/Hall Wentland/HBDIC
 Field ID: HW-SF
 Sample Description: Hall-Wentland SF
 Sampled By:
 Sample Date: 4/8/2008
 Source Type:
 Sampler Phone:

Lab Number: 04610001
 Report Date: 4/25/2008
 Date Analyzed: 4/24/2008
 Extraction Date: 525_080421
 Analyst: COV
 Peer Review: MVA
 Analytical Method: 525.2
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

GAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.036		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-8	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 ^A		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-86-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 ^A		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 ^A		
183-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

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J - Estimated value.



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WSDOE Lab C1251

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DATA REPORT

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

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 9998

Field ID: HW-1

Report Date: 5/2/2008

Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland Obs 1

Matrix: Water

Analyst: CO

Peer Review: MVA

Collect Date: 4/8/2008

Analytical Method: 525.2

Extraction Date: 4/21/2008

Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds									
51235-04-2	HEXAZINONE (Valpar)	ND		ug/L	0.1	0.05	1.0	525X_080421	

Result of: NA - Indicates the compound was not analyzed.

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 C1251

DATA REPORT

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

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 9998
 Field ID: HW-1

Report Date: 5/2/2008
 Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland Obs 1
 Matrix: Water

Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Collect Date: 4/8/2008
 Extraction Date: 4/21/2008
 Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080421	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525X_080421	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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 S Main Street
 Milton-Freewater, OR 97862

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 9999

Field ID: HW-2

Report Date: 5/2/2008

Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland Obs 2

Matrix: Water

Analyst: CO

Peer Review: MVA

Collect Date: 4/8/2008

Extraction Date: 4/21/2008

Analytical Method: 525.2

Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds									
51235-04-2	HEXAZINONE (Velpar)	ND		ug/L	0.1	0.05	1.0	525X_080421	

Result of: NA - indicates the compound was not analyzed.
 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 C1251

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DATA REPORT

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

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 9999

Field ID: HW-2

Sample Description: Hall-Wentland Obs 2

Matrix: Water

Collect Date: 4/8/2008

Extraction Date:

Extraction Method:

Report Date: 5/2/2008

Date Analyzed: 4/28/2008

Analyst: CO

Peer Review: MUA

Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525x_080421	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525x_080421	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - Indicates the compound was not analyzed.
 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 C1251

DATA REPORT

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

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 10000
 Field ID: HW-3

Report Date: 5/2/2008
 Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland Obs
 Matrix: Water

Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Collect Date: 4/8/2008
 Extraction Date: 4/21/2008
 Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
Other Compounds									
51235-04-2	HEXAZINONE (Velpar)	ND		ug/L	0.1	0.05	1.0	525X_080421	

Result of: NA - indicates the compound was not analyzed.
 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 C1251

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DATA REPORT

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

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 10000
 Field ID: HW-3

Report Date: 5/2/2008
 Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland Obs
 Matrix: Water

Analyst: CO
 Peer Review: MWA
 Analytical Method: 525.2

Collect Date: 4/8/2008
 Extraction Date: 4/21/2008
 Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080421	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525X_080421	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/L	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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 C1251

Page 1 of 1

DATA REPORT

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

Reference Number: 08-04630
Project: Locher/Hall Wentland/HBDIC

Lab Number: 10001

Field ID: HW-SF

Report Date: 5/2/2008

Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland SF

Matrix: Water

Analyst: CO

Peer Review: *MWA*

Collect Date: 4/8/2008

Analytical Method: 525.2

Extraction Date: 4/21/2008

Extraction Method: 3535

Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
	Other Compounds								
51235-04-2	HEXAZINONE (Velpar)	ND		ug/L	0.1	0.05	1.0	525X_080421	

Result of: NA - Indicates the compound was not analyzed.

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

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WSDOE Lab C1261

Page 1 of 1

DATA REPORT

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

Reference Number: 08-04630
 Project: Locher/Hall Wentland/HBDIC

Lab Number: 10001

Report Date: 5/2/2008

Field ID: HW-SF

Date Analyzed: 4/28/2008

Sample Description: Hall-Wentland SF

Analyst: CO

Matrix: Water

Peer Review: *MVA*

Collect Date: 4/8/2008

Analytical Method: 525.2

Extraction Date: 4/21/2008

Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080421	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525X_080421	
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/L	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-04630

Report Date: 05/09/08

Batch	Analyte	Result	True		Method	% Recovery		QC	Comment
			Value	Units		Limits	Qualifier Type*		
200.7-080414A	HARDNESS	73.6	69.5	mg/L	200.7	106	80-120	LFB	
508_080421	AROCLOR 1260	2.28	2	ug/L	508.1	114	60-140	LFB	
	TETRACHLORO-M-XYLENE (SURR)	85	%		508.1		70-130		
515_080415	2,4 - D	1.8	2	ug/L	515.1	90	70-130	LFB	
	2,4 - DCAA (SURR)	100	%		515.1		70-130		
	2,4 DB	7.67	8	ug/L	515.1	96	70-130		
	2,4,5 - TP (SILVEX)	1.01	1	ug/L	515.1	101	70-130		
	2,4,5 T	0.94	1	ug/L	515.1	94	70-130		
	ACIFLUORFEN	0.95	1	ug/L	515.1	95	70-130		
	BENTAZON	1.96	2	ug/L	515.1	98	70-130		
	CHLORAMBEN	0.97	1	ug/L	515.1	97	70-130		
	DALAPON	9.2	13	ug/L	515.1	71	70-130		
	DICAMBA	0.95	1	ug/L	515.1	95	70-130		
	DICHLORPROP	2.51	3	ug/L	515.1	84	70-130		
	DINOSEB	1.9	2	ug/L	515.1	95	70-130		
	PENTACHLOROPHENOL	0.86	1	ug/L	515.1	86	70-130		
	PICLORAM	0.92	1	ug/L	515.1	92	70-130		
	TOTAL (DCPA & Metabolites)	1.15	1	ug/L	515.1	115	70-130		
525_080421	1,3-DIMETHYL-2-NITROBENZENE (Sum)	102	%		525.2		70-130	LFB	
	4,4-DDD	0.99	1	ug/L	525.2	99	70-130		
	4,4-DDE	0.94	1	ug/L	525.2	94	70-130		
	4,4-DDT	0.89	1	ug/L	525.2	89	70-130		
	ACENAPHTHYLENE	0.92	1	ug/L	525.2	92	70-130		
	ALACHLOR	1.96	2	ug/L	525.2	98	70-130		
	ALDRIN	0.67	1	ug/L	525.2	67	70-130	LR	
	ANTHRACENE	0.62	1	ug/L	525.2	62	70-130	LR	
	ATRAZINE	2.13	2	ug/L	525.2	107	70-130		
	BENZO(A)ANTHRACENE	0.9	1	ug/L	525.2	90	70-130		
	BENZO(A)PYRENE	0.76	1	ug/L	525.2	76	70-130		
	BENZO(B)FLUORANTHENE	1.04	1	ug/L	525.2	104	70-130		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-04630
 Report Date: 05/09/08

Batch	Analyte	Result	True			%		QC	
			Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080421	BENZO(G,H,I)PERYLENE	0.88	1	ug/L	525.2	88	70-130	LFB	
	BENZO(K)FLUORANTHENE	1.05	1	ug/L	525.2	105	70-130		
	BENZYL BUTYL PHTHALATE	1.02	1	ug/L	525.2	102	70-130		
	BROMACIL	1.17	1	ug/L	525.2	117	70-130		
	BUTACHLOR	1.15	1	ug/L	525.2	115	70-130		
	CHLORDANE, TECHNICAL	0.74	1	ug/L	525.2	74	70-130		
	CHRYSENE	0.95	1	ug/L	525.2	95	70-130		
	CYANAZINE	0.9	1	ug/L	525.2	90	70-130		
	DI(ETHYLHEXYL)-ADIPATE	0.81	1	ug/L	525.2	81	70-130		
	DI(ETHYLHEXYL)-PHTHALATE	1.09	1	ug/L	525.2	109	70-130		
	DIBENZO(A,H)ANTHRACENE	0.87	1	ug/L	525.2	87	70-130		
	DIELDRIN	0.76	1	ug/L	525.2	76	70-130		
	DIETHYL PHTHALATE	0.97	1	ug/L	525.2	97	70-130		
	DIMETHYL PHTHALATE	1.07	1	ug/L	525.2	107	70-130		
	DI-N-BUTYL PHTHALATE	0.97	1	ug/L	525.2	97	70-130		
	ENDRIN	1.12	1	ug/L	525.2	112	70-130		
	EPTC	0.82	1	ug/L	525.2	82	70-130		
	FLUORENE	1.03	1	ug/L	525.2	103	70-130		
	HEPTACHLOR	0.92	1	ug/L	525.2	92	70-130		
	HEPTACHLOR EPOXIDE	0.8	1	ug/L	525.2	80	70-130		
	HEXACHLOROBENZENE	1	1	ug/L	525.2	100	70-130		
	HEXACHLOROCYCLO-PENTADIENE	1.01	1	ug/L	525.2	101	70-130		
	INDENO(1,2,3-CD)PYRENE	0.99	1	ug/L	525.2	99	70-130		
	LINDANE (BHC - GAMMA)	0.97	1	ug/L	525.2	97	70-130		
	MALATHION	0.95	1	ug/L	525.2	95	70-130		
	METHOXYCHLOR	1.01	1	ug/L	525.2	101	70-130		
	METOLACHLOR	1.03	1	ug/L	525.2	103	70-130		
	METRIBUZIN	0.99	1	ug/L	525.2	99	70-130		
	PARATHION	1	1	ug/L	525.2	100	70-130		
	PENTACHLOROPHENOL	3.86	4	ug/L	525.2	97	70-130		
	PERYLENE-D12 (Surr)	102		%	525.2		70-130		
	PHENANTHRENE	0.94	1	ug/L	525.2	94	70-130		
	PROPACHLOR	0.96	1	ug/L	525.2	96	70-130		
	PYRENE	0.94	1	ug/L	525.2	94	70-130		
	PYRENE-D10 (Surr)	107		%	525.2		70-130		
	SIMAZINE	1.02	1	ug/L	525.2	102	70-130		

***Notation:**

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-04630
 Report Date: 05/09/08

Batch	Analyte	Result	True			Method	%		QC	
			Value	Units			Recovery	Limits	Qualifier	Type*
525_080421	TERBACIL	1.05	1	ug/L	525.2	105	70-130		LFB	
	TRIFLURALIN	1.01	1	ug/L	525.2	101	70-130			
	TRIPHENYLPHOSPHATE (Sur)	100		%	525.2		70-130			
525X_080421	1-NAPHTHALENEACETAMIDE	2.05	2	ug/L	525.2	103	70-130		LFB	
	CHLORPYRIFOS	0.94	1	ug/L	525.2	94	70-130			
	DICOFOL	3	2	ug/L	525.2	150	70-130	N1		
	FENARIMOL	0.96	1	ug/L	525.2	96	70-130			
	HEXAZINONE	0.93	1	ug/L	525.2	93	70-130			
	HEXAZINONE (Velpar)	0.93	1	ug/L	525.2	93	70-130			
	MALATHION	0.93	1	ug/L	525.2	93	70-130			
	METALAXYL	2.08	2	ug/L	525.2	104	70-130			
	METHIDATHION	2.36	2	ug/L	525.2	118	85-115			
	MEVINPHOS	0.94	1	ug/L	525.2	94	70-130			
	MYCLOBUTANIL	2.17	2	ug/L	525.2	109	85-115			
	NAPROPAMIDE	0.86	1	ug/L	525.2	86	70-130			
	PARATHION-ETHYL	0.71	1	ug/L	525.2	71	70-130			
	PHOSMET	2.17	2	ug/L	525.2	109	70-130			
	PROPARGITE	2.21	2	ug/L	525.2	111	85-115			
TRIADIMEFON	0.84	1	ug/L	525.2	84	70-130				
TRIFLUMIZOLE	1.14	2	ug/L	525.2	57	85-115	N1			
531_080416	3-HYDROXYCARBOFURAN	9.1	10	ug/L	531.2	91	70-130		LFB	
	ALDICARB	8.9	10	ug/L	531.2	89	70-130			
	ALDICARB SULFONE	8.2	10	ug/L	531.2	82	70-130			
	ALDICARB SULFOXIDE	7.6	10	ug/L	531.2	76	70-130			
	CARBARYL	9.6	10	ug/L	531.2	96	70-130			
	CARBOFURAN	8.3	10	ug/L	531.2	83	70-130			
	METHIOCARB	8.2	10	ug/L	531.2	82	70-130			
	METHOMYL	8.4	10	ug/L	531.2	84	70-130			
	OXYMAL	9	10	ug/L	531.2	90	70-130			
	PROPOXUR (BAYGON)	9.1	10	ug/L	531.2	91	70-130			
531_080416	3-HYDROXYCARBOFURAN	20	20	ug/L	531.2	100	70-130		LFB	
	ALDICARB	21.5	20	ug/L	531.2	108	70-130			

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-04630

Report Date: 05/09/08

Batch	Analyte	Result	True		Method	%		QC	Comment
			Value	Units		Recovery	Limits	Qualifier Type*	
531_080416	ALDICARB SULFONE	18.1	20	ug/L	531.2	96	70-130	LFB	
	ALDICARB SULFOXIDE	16.9	20	ug/L	531.2	85	70-130		
	CARBARYL	21.9	20	ug/L	531.2	110	70-130		
	CARBOFURAN	19	20	ug/L	531.2	95	70-130		
	METHIOCARB	20.3	20	ug/L	531.2	102	70-130		
	METHOMYL	22.8	20	ug/L	531.2	114	70-130		
	OXYMAL	21.9	20	ug/L	531.2	110	70-130		
PROPOXUR (BAYGON)	19.7	20	ug/L	531.2	99	70-130			
COD_080415	CHEMICAL OXYGEN DEMAND	54	50	mg/L	SM5220 D	108	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY	167	169	uS/cm	SM2510 B	99	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY	167	169	uS/cm	SM2510 B	99	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY	170	169	uS/cm	SM2510 B	101	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY	169	169	uS/cm	SM2510 B	100	80-120	LFB	
OPHOS-080410	ORTHO-PHOSPHATE	1.02	1.00	mg/L	SM4500-P F	102	70-130	LFB	
lds_080411	TOTAL DISSOLVED SOLIDS	472	500	mg/L	SM2540 C	94	80-120	LFB	
lds_080411	TOTAL DISSOLVED SOLIDS	498	500	mg/L	SM2540 C	100	80-120	LFB	
lds_080411	TOTAL DISSOLVED SOLIDS	494	500	mg/L	SM2540 C	99	80-120	LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-04630
 Report Date: 05/09/08

Batch	Analyte	Result	True Value	Units	Method	%		QC		Comment
						Recovery	Limits	Qualifier	Type*	
200.7-080414A	HARDNESS	ND		mg/L	200.7	10.0000	10.0000	LRB		
COD_080415	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D	4.0000	4.0000	LRB		
D080423A	BROMATE	ND		mg/L	300.1	0.0050	0.0050	LRB		
D080425A	BROMATE	ND		mg/L	300.1	0.0050	0.0050	LRB		
I080410A	CHLORIDE	ND		mg/L	300.0	0.1000	0.1000	LRB		
	NITRATE-N	ND		mg/L	300.0	0.1000	0.1000	LRB		
OPHOS-080410	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0.1000	0.1000	LRB		
TURB_080410	TURBIDITY	ND		NTU	180.1	0.0200	0.0200	LRB		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-04630
Report Date: 05/09/08

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits	Qualifier Type*			
200.7-080414A	HARDNESS	ND		mg/L	200.7	0.82000		MB		
508_080421	AROCLOR 1016	ND		ug/L	508.1	0.02000		MB		
	AROCLOR 1221	ND		ug/L	508.1	0.12000				
	AROCLOR 1232	ND		ug/L	508.1	0.02000				
	AROCLOR 1242	ND		ug/L	508.1	0.02000				
	AROCLOR 1248	ND		ug/L	508.1	0.02000				
	AROCLOR 1254	ND		ug/L	508.1	0.02000				
	AROCLOR 1260	ND		ug/L	508.1	0.02000				
	TETRACHLORO-M-XYLENE (SURR)	83		%	508.1	0.00000				
515_080415	2,4 - D	ND		ug/L	515.1	0.05000		MB		
	2,4 - DCAA (SURR)	107		%	515.1					
	2,4 DB	ND		ug/L	515.1	0.25000				
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1	0.10000				
	2,4,5 T	ND		ug/L	515.1	0.10000				
	ACIFLUORFEN	ND		ug/L	515.1	0.50000				
	BENTAZON	ND		ug/L	515.1	0.12000				
	CHLORAMBEN	ND		ug/L	515.1	0.20000				
	DALAPON	ND		ug/L	515.1	0.50000				
	DCPA (ACID METABOLITES)	ND		ug/L	515.1	0.10000				
	DICAMBA	ND		ug/L	515.1	0.05000				
	DICHLORPROP	ND		ug/L	515.1	0.12000				
	DINOSEB	ND		ug/L	515.1	0.10000				
	PENTACHLOROPHENOL	ND		ug/L	515.1	0.02000				
	PICLORAM	ND		ug/L	515.1	0.05000				
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1	0.02000				
525_080421	1,3-DIMETHYL-2-NITROBENZENE (Surr)	104		%	525.2			MB		Trip Blank 08-04583
	4,4-DDD	ND		ug/L	525.2	0.05000				Trip Blank 08-04583
	4,4-DDE	ND		ug/L	525.2	0.05000				Trip Blank 08-04583
	4,4-DDT	ND		ug/L	525.2	0.05000				Trip Blank 08-04583
	ACENAPHTHENE	ND		ug/L	525.2	0.05000				Trip Blank 08-04583

*Notation:

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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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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-04630
Report Date: 05/09/08

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits	Qualifier	Type*	
525_080421	ALACHLOR	ND		ug/L	525.2		0.02000		MB	Trip Blank 08-04583
	ALDRIN	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	ANTHRACENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	ATRAZINE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	BENZ(A)ANTHRACENE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	BENZO(A)PYRENE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	BENZO(K)FLUORANTHENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2		0.60000			Trip Blank 08-04583
	BROMACIL	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	BUTACHLOR	ND		ug/L	525.2		0.10000			Trip Blank 08-04583
	CHLORDANE, TECHNICAL	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	CHRYSENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	CYANAZINE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	DI(ETHYLHEXYL)ADIPATE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	DI(ETHYLHEXYL)PHTHALATE	0.14		ug/L	525.2		0.60000			Trip Blank 08-04583
	DIAZINON	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	DIELDRIN	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	DIETHYL PHTHALATE	ND		ug/L	525.2		0.60000			Trip Blank 08-04583
	DIMETHYL PHTHALATE	ND		ug/L	525.2		0.60000			Trip Blank 08-04583
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2		0.60000			Trip Blank 08-04583
	ENDRIN	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	EPTC	ND		ug/L	525.2		0.07000			Trip Blank 08-04583
	FLUORANTHENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	FLUORENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	HEPTACHLOR	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	HEXACHLOROBENZENE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	MALATHION	ND		ug/L	525.2		0.05000			Trip Blank 08-04583
	METHOXYCHLOR	ND		ug/L	525.2		0.02000			Trip Blank 08-04583
	METOLACHLOR	ND		ug/L	525.2		0.25000			Trip Blank 08-04583

*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

Method Blank

Reference Number: **08-04630**
Report Date: **05/09/08**

Batch	Analyte	Result	True		Method	% Recovery Limits		QC Qualifier Type*	Comment
			Value	Units					
525_080421	METRIBUZIN	ND		ug/L	525.2		0.05000	MB	Trip Blank 08-04583
	NAPHTHALENE	ND		ug/L	525.2		0.02000		Trip Blank 08-04583
	PARATHION	ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	PENTACHLOROPHENOL	ND		ug/L	525.2		0.04000		Trip Blank 08-04583
	PERYLENE-D12 (Surr)	100		%	525.2				Trip Blank 08-04583
	PHENANTHRENE	ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	PROPACHLOR	ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	PYRENE	ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	PYRENE-D10 (Surr)	105		%	525.2				Trip Blank 08-04583
	SIMAZINE	ND		ug/L	525.2		0.02000		Trip Blank 08-04583
	TERBACIL	ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	TRIFLURALIN	ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	TRIPHENYLPHOSPHATE (Surr)	102		%	525.2				Trip Blank 08-04583
525X_080421	1-NAPHTHALENEACETAMIDE	ND		ug/L	525.2		0.10000	MB	
	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000		
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000		
	DICOFOL	ND		ug/L	525.2		0.00000		
	DIMETHOATE	ND		ug/L	525.2		0.00000		
	FENARIMOL	ND		ug/L	525.2		0.00000		
	HEXAZINONE	ND		ug/L	525.2		0.00000		
	HEXAZINONE (Velpar)	ND		ug/L	525.2		0.02000		
	MALATHION	ND		ug/L	525.2		0.05000		
	METALAXYL	ND		ug/L	525.2		0.10000		
	METHIDATHINON	ND		ug/L	525.2		0.50000		
	METHYL PARATHION	ND		ug/L	525.2		0.00000		
	MEVINPHOS	ND		ug/L	525.2		0.00000		
	MYCLOBUTANIL	ND		ug/L	525.2		0.50000		
	NAPROPAMIDE	ND		ug/L	525.2		0.00000		
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000		
	PHOSMET	ND		ug/L	525.2		0.10000		
	PROPARGITE	ND		ug/L	525.2		0.00000		
	TRIADIMEFON	ND		ug/L	525.2		0.00000		
	TRIFLUMIZOLE	ND		ug/L	525.2		1.00000		

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Method Blank

Reference Number: 08-04630
 Report Date: 05/09/08

Batch	Analyte	Result	True		Method	% Recovery	Limits	QC Qualifier Type*	Comment
			Value	Units					
531_080416	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000	MB	
	ALDICARB	ND		ug/L	531.2		0.25000		
	ALDICARB SULFONE	ND		ug/L	531.2		0.40000		
	ALDICARB SULFOXIDE	ND		ug/L	531.2		0.25000		
	CARBARYL	ND		ug/L	531.2		0.50000		
	CARBOFURAN	ND		ug/L	531.2		0.45000		
	METHIOCARB	ND		ug/L	531.2		1.00000		
	METHOMYL	ND		ug/L	531.2		0.25000		
	OXYMAL	ND		ug/L	531.2		1.00000		
PROPOXUR (BAYGON)	ND		ug/L	531.2		0.25000			
ec_080410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
OPHOS-080410	ORTHO-PHOSPHATE	ND		mg/L	SM4600-P F		0.10000	MB	
lds_080411	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000	MB	
lds_080411	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000	MB	
lds_080411	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000	MB	

*Notation:

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: 08-04630
 Report Date: 05/09/08

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits	Qualifier	Type*	
200.7-080414A	HARDNESS	134	132.3	mg/L	200.7	101	80-120		QCS	
COD_080415	CHEMICAL OXYGEN DEMAND	128	133	mg/L	SM5220 D	96	80-120		QCS	
D080423A	BROMATE	0.0176	0.0184	mg/L	300.1	96	75-125		QCS	
D080425A	BROMATE	0.018	0.0184	mg/L	300.1	98	75-125		QCS	
I080410A	CHLORIDE	29	30.0	mg/L	300.0	97	80-120		QCS	
	NITRATE-N	2.42	2.50	mg/L	300.0	97	80-120			
OPHOS-080410	ORTHO-PHOSPHATE	0.49	0.49	mg/L	SM4500-P F	100	70-130		QCS	
TURB_080410	TURBIDITY	0.95	1.00	NTU	180.1	95	70-130		QCS	

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QUALITY CONTROL REPORT
 Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-04630

Report Date: 5/9/2008

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7-080414A									
	9884	HARDNESS	38.0	38.8	mg CaCO3/L	0.5	0-45	DUP	
	10101	HARDNESS	60.1	60.0	mg CaCO3/L	0.2	0-45	DUP	
515_080415									
525_080421									
	9998	1,3-DIMETHYL-2-NITROBENZENE (Surr)	108	104	%	3.8	0-45	DUP	
	9998	PYRENE-D10 (Surr)	101	101	%	0.0	0-45	DUP	
	9998	PERYLENE-D12 (Surr)	103	101	%	2.0	0-45	DUP	
	9998	TRIPHENYLPHOSPHATE (Surr)	110	102	%	7.5	0-45	DUP	
COD_080415									
	10025	CHEMICAL OXYGEN DEMAND	12	11	mg/L	8.7	0-45	DUP	
	10035	CHEMICAL OXYGEN DEMAND	15	14	mg/L	6.9	0-45	DUP	
	10199	CHEMICAL OXYGEN DEMAND	15	14	mg/L	6.9	0-45	DUP	
D080423A									
D080425A									
ec_080410									
	9999	ELECTRICAL CONDUCTIVITY	182	181	uS/cm	0.6	0-45	DUP	
	10001	ELECTRICAL CONDUCTIVITY	115	116	uS/cm	0.9	0-45	DUP	
EC_080410									
	9833	ELECTRICAL CONDUCTIVITY	208	206	uS/cm	0.0	0-45	DUP	
I080410A									
	10022	CHLORIDE	3.9	3.9	mg/L	0.0	0-45	DUP	
	10023	CHLORIDE	31	32	mg/L	3.2	0-45	DUP	
	10030	CHLORIDE	122	122	mg/L	0.0	0-45	DUP	
	10058	CHLORIDE	17	17	mg/L	0.0	0-45	DUP	
OPHOS-080410									
	10017	ORTHO-PHOSPHATE	0.04	0.04	mg/L	0.0	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



Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	DC Qualifier	Comments
			Result	Result					
PH_080410	10018	ORTHO-PHOSPHATE	0.04	0.04	mg/L	0.0	0-50		DUP
	10051	HYDROGEN ION (pH)	7.47	7.48	pH Units	0.1	0-45		DUP
TDS_080411	9794	TOTAL DISSOLVED SOLIDS	265	282	mg/L	6.2	0-45		DUP
	10001	TOTAL DISSOLVED SOLIDS	85	88	mg/L	1.2	0-45		DUP
TURB_080410	10022	TURBIDITY	0.20	0.20	NTU	0.0	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.

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate		Conc	Units	Percent Recovery		Limits	%RPD	Limits	QC Qualifier	Comments
					Spike Result	Spike Conc			MS	MSD					
200.7-080414A															
	9884	HARDNESS	39.0	110	111	69.5	mg CaCO3/L	102	104	80-120	1.4	0-80		LFM	
	10101	HARDNESS	60.1	130	132	69.5	mg CaCO3/L	101	103	80-120	2.8	0-80		LFM	
515_080415															
	10217	2,4 - D	ND	1.9		2	mg/L	95	NA	85-135	NA	0-80		LFM	
	10217	2,4,5 - TP (SILVEX)	ND	1.1		1	mg/L	110	NA	85-135	NA	0-80		LFM	
	10217	PENTACHLOROPHENOL	ND	0.94		1	ug/L	94	NA	85-135	NA	0-80		LFM	
	10217	DALAPON	ND	10.2		13	mg/L	78	NA	85-135	NA	0-80		LFM	
	10217	DINOSEB	ND	2.27		2	mg/L	114	NA	85-135	NA	0-80		LFM	
	10217	PICLORAM	ND	0.94		1	mg/L	94	NA	85-135	NA	0-80		LFM	
	10217	DICAMBA	ND	0.94		1	ug/L	94	NA	85-135	NA	0-80		LFM	
	10217	TOTAL (DCPA & Metabolites)	ND	1.21		1	ug/L	121	NA	85-135	NA	0-80		LFM	
	10217	2,4 DB	ND	8.39		8	ug/L	105	NA	85-135	NA	0-80		LFM	
	10217	2,4,5 T	ND	1		1	ug/L	100	NA	85-135	NA	0-80		LFM	
	10217	BENTAZON	ND	2.01		2	ug/L	101	NA	85-135	NA	0-80		LFM	
	10217	DICHLORPROP	ND	2.74		3	ug/L	91	NA	85-135	NA	0-80		LFM	
	10217	ACIFLUORFEN	ND	1.1		1	ug/L	110	NA	85-135	NA	0-80		LFM	
	10217	CHLORAMBEN	ND	0.91		1	ug/L	91	NA	85-135	NA	0-50		LFM	
	10217	2,4 - DCAA (SURR)	102	107			%		NA	70-130	NA	0-80		LFM	
525_080421															
	10001	ENDRIN	ND	1.09		1	ug/L	109	NA	70-130	NA	0-80		LFM	
	10001	LINDANE (BHC - GAMMA)	ND	0.93		1	ug/L	93	NA	70-130	NA	0-80		LFM	
	10001	METHOXYCHLOR	ND	1.13		1	ug/L	113	NA	70-130	NA	0-80		LFM	
	10001	ALACHLOR	ND	1.94		2	ug/L	97	NA	70-130	NA	0-80		LFM	
	10001	ATRAZINE	ND	2.28		2	ug/L	114	NA	70-130	NA	0-80		LFM	
	10001	BENZO(A)PYRENE	ND	0.36		1	ug/L	36	NA	70-130	NA	0-80	ME	LFM	
	10001	CHLORDANE, TECHNICAL	ND	0.69		1	ug/L	69	NA	70-130	NA	0-80	LR	LFM	
	10001	DI(ETHYLHEXYL)-ADIPATE	ND	0.83		1	ug/L	83	NA	70-130	NA	0-80		LFM	
	10001	DI(ETHYLHEXYL)-PHTHALATE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-80		LFM	
	10001	HEPTACHLOR	ND	0.92		1	ug/L	92	NA	70-130	NA	0-80		LFM	
	10001	HEPTACHLOR EPOXIDE	ND	0.76		1	ug/L	76	NA	70-130	NA	0-50		LFM	
	10001	HEXACHLOROBENZENE	ND	0.99		1	ug/L	99	NA	70-130	NA	0-80		LFM	
	10001	HEXACHLOROCYCLO-PENTADIENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-80		LFM	
	10001	SIMAZINE	ND	1.03		1	ug/L	103	NA	70-130	NA	0-80		LFM	
	10001	PENTACHLOROPHENOL	ND	4.6		4	ug/L	115	NA	70-130	NA	0-50		LFM	
	10001	ALDRIN	ND	0.67		1	ug/L	67	NA	70-130	NA	0-80	LR	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

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery			%RPD	Limits	QC	Comments
				Spike Result	Spike Conc		MS	MSD	Limits				
10001	BUTACHLOR	ND	1.2	1	ug/L	120	NA	70-130	NA	0-60		LFM	
10001	DIELDRIN	ND	0.78	1	ug/L	78	NA	70-130	NA	0-60		LFM	
10001	METOLACHLOR	ND	1.08	1	ug/L	106	NA	70-130	NA	0-60		LFM	
10001	METRIBUZIN	ND	1.04	1	ug/L	104	NA	70-130	NA	0-60		LFM	
10001	PROPACHLOR	ND	1.03	1	ug/L	103	NA	70-130	NA	0-60		LFM	
10001	BROMACIL	ND	1.23	1	ug/L	123	NA	70-130	NA	0-60		LFM	
10001	TERBACIL	ND	1.12	1	ug/L	112	NA	70-130	NA	0-60		LFM	
10001	DIAZINON	ND	0.74	1	ug/L	74	NA	70-130	NA	0-60		LFM	
10001	SIMAZINE	ND	1.03	1	ug/L	103	NA	70-130	NA	0-60		LFM	
10001	EPTC	ND	0.88	1	ug/L	88	NA	70-130	NA	0-60		LFM	
10001	DIAZINON	ND	0.74	1	ug/L	74	NA	70-130	NA	0-60		LFM	
10001	4,4-DDD	ND	0.96	1	ug/L	96	NA	70-130	NA	0-60		LFM	
10001	4,4-DDE	ND	0.86	1	ug/L	86	NA	70-130	NA	0-60		LFM	
10001	LINDANE (BHC - GAMMA)	ND	0.93	1	ug/L	93	NA	70-130	NA	0-60		LFM	
10001	4,4-DDT	ND	0.87	1	ug/L	87	NA	70-130	NA	0-60		LFM	
10001	CYANAZINE	ND	0.84	1	ug/L	84	NA	70-130	NA	0-60		LFM	
10001	MALATHION	ND	0.99	1	ug/L	99	NA	70-130	NA	0-60		LFM	
10001	PARATHION	ND	1.02	1	ug/L	102	NA	70-130	NA	0-60		LFM	
10001	TRIFLURALIN	ND	1.12	1	ug/L	112	NA	70-130	NA	0-60		LFM	
10001	4,4-DDD	ND	0.96	1	ug/L	96	NA	70-130	NA	0-60		LFM	
10001	4,4-DDE	ND	0.86	1	ug/L	86	NA	70-130	NA	0-60		LFM	
10001	4,4-DDT	ND	0.87	1	ug/L	87	NA	70-130	NA	0-60		LFM	
10001	MALATHION	ND	0.99	1	ug/L	99	NA	70-130	NA	0-60		LFM	
10001	PARATHION-ETHYL	ND	1.02	1	ug/L	102	NA	70-130	NA	0-60		LFM	
10001	FLUORENE	ND	1.08	1	ug/L	108	NA	70-130	NA	0-60		LFM	
10001	ACENAPHTHYLENE	ND	0.87	1	ug/L	87	NA	70-130	NA	0-60		LFM	
10001	BENZ(A)ANTHRACENE	ND	0.53	1	ug/L	53	NA	70-130	NA	0-60	ME	LFM	
10001	BENZO(B)FLUORANTHENE	ND	1.02	1	ug/L	102	NA	70-130	NA	0-60		LFM	
10001	BENZO(G,H,I)PERYLENE	ND	0.81	1	ug/L	81	NA	70-130	NA	0-60		LFM	
10001	BENZO(K)FLUORANTHENE	ND	0.93	1	ug/L	93	NA	70-130	NA	0-60		LFM	
10001	CHRYSENE	ND	0.93	1	ug/L	93	NA	70-130	NA	0-60		LFM	
10001	DIBENZO(A,H)ANTHRACENE	ND	0.87	1	ug/L	87	NA	70-130	NA	0-60		LFM	
10001	INDENO(1,2,3-CD)PYRENE	ND	1.03	1	ug/L	103	NA	70-130	NA	0-60		LFM	
10001	PHENANTHRENE	ND	0.91	1	ug/L	91	NA	70-130	NA	0-60		LFM	
10001	PYRENE	ND	0.8	1	ug/L	80	NA	70-130	NA	0-60		LFM	
10001	BENZYL BUTYL PHTHALATE	ND	1.05	1	ug/L	105	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

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Units	Percent Recovery			%RPD	Limits	QC	Comments
				Spike	Spike		MS	MSD	MSD				
	10001	DI-N-BUTYL PHTHALATE	ND	0.98	1	ug/L	98	NA	70-130	NA	0-60	LFM	
	10001	DIETHYL PHTHALATE	ND	0.99	1	ug/L	99	NA	70-130	NA	0-60	LFM	
	10001	DIMETHYL PHTHALATE	ND	1.05	1	ug/L	105	NA	70-130	NA	0-60	LFM	
	10001	1,3-DIMETHYL-2-NITROBENZENE (Surr)	107	104		%		NA	70-130	NA	0-60	LFM	
	10001	PYRENE-D10 (Surr)	99	94		%		NA	70-130	NA	0-60	LFM	
	10001	PERYLENE-D12 (Surr)	105	99		%		NA	70-130	NA	0-60	LFM	
	10001	TRIPHENYLPHOSPHATE (Surr)	109	108		%		NA	70-130	NA	0-60	LFM	
525X_080421													
	10001	HEXAZINONE	ND	1.21	1	ug/L	121	NA	70-130	NA	0-50	LFM	
	10001	HEXAZINONE (Veipar)	ND	1.21	1	ug/L	121	NA	70-130	NA	0-60	LFM	
	10001	PROPARGITE	ND	2.48	2	ug/L	124	NA	70-130	NA	0-50	LFM	
	10001	METALAXYL	ND	2.02	2	ug/L	101	NA	70-130	NA	0-50	LFM	
	10001	NAPROPAMIDE	ND	1.03	1	ug/L	103	NA	70-130	NA	0-50	LFM	
	10001	1-NAPHTHALENEACETAMIDE	ND	2.15	2	ug/L	108	NA	70-130	NA	0-50	LFM	
	10001	FENARIMOL	ND	1.26	1	ug/L	126	NA	70-130	NA	0-50	LFM	
	10001	MEVINPHOS	ND	1.08	2	ug/L	54	NA	70-130	NA	0-50	N1 LFM	
	10001	MALATHION	ND	1.04	1	ug/L	104	NA	70-130	NA	0-60	LFM	
	10001	CHLORPYRIFOS	ND	1.04	1	ug/L	104	NA	70-130	NA	0-50	LFM	
	10001	PARATHION	ND	0.88	1	ug/L	88	NA	70-130	NA	0-60	LFM	
	10001	DICOFOL	ND	3.65	2	ug/L	183	NA	70-130	NA	0-50	N1 LFM	
	10001	MALATHION	ND	1.04	1	ug/L	104	NA	70-130	NA	0-60	LFM	
	10001	PARATHION-ETHYL	ND	0.88	1	ug/L	88	NA	70-130	NA	0-60	LFM	
	10001	PHOSMET	ND	2.39	2	ug/L	120	NA	70-130	NA	0-50	LFM	
	10001	TRIADIMEFON	ND	0.92	1	ug/L	92	NA	70-130	NA	0-50	LFM	
	10001	TRIFLUMIZOLE	ND	1.35	2	ug/L	68	NA	70-130	NA	0-50	N1 LFM	
	10001	METHIDATHINON	ND	2.85	2	ug/L	148	NA	70-130	NA	0-50	N1 LFM	
	10001	MYCLOBUTANIL	ND	2.52	2	ug/L	126	NA	70-130	NA	0-50	LFM	
531_080416													
	9810	OXYMAL	ND	9.2	9.1	10 ug/L	92	91	70-130	1.1	0-50	LFM	
	9810	CARBOFURAN	ND	7.8	8	10 ug/L	78	80	70-130	2.5	0-50	LFM	
	9810	ALDICARB SULFOXIDE	ND	7	7.2	10 ug/L	70	72	70-130	2.8	0-50	LFM	
	9810	ALDICARB SULFONE	ND	8.1	8.3	10 ug/L	81	83	70-130	2.4	0-50	LFM	
	9810	METHOMYL	ND	8.8	8.7	10 ug/L	88	87	70-130	1.1	0-50	LFM	
	9810	3-HYDROXYCARBOFURAN	ND	8.3	9	10 ug/L	83	90	70-130	8.1	0-50	LFM	
	9810	ALDICARB	ND	8.3	8.8	10 ug/L	83	88	70-130	5.8	0-50	LFM	
	9810	CARBARYL	ND	9.6	9.9	10 ug/L	96	99	70-130	3.1	0-50	LFM	

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NA = Indicates %RPD could not be calculated

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Only Duplicate sample with detections are listed in this report

Matrix Spike

Batch	Sample	Analyte	Result	Duplicate			Units	Percent Recovery			%RPD	Limits	QC	Comments
				Spike Result	Spike Result	Spike Conc		MS	MSD	Limits				
	9810	PROPOXUR (BAYGON)	ND	8.5	9	10	ug/L	85	90	70-130	5.7	0-50	LFM	
	9810	METHIOCARB	ND	8.6	8.9	10	ug/L	88	89	70-130	3.4	0-50	LFM	
COD_080415														
	10025	CHEMICAL OXYGEN DEMAND	12	85	84	50	mg/L	106	104	80-120	1.9	0-60	LFM	
	10035	CHEMICAL OXYGEN DEMAND	15	63	61	50	mg/L	96	92	80-120	4.3	0-60	LFM	
	10189	CHEMICAL OXYGEN DEMAND	15	61	63	50	mg/L	92	96	80-120	4.3	0-60	LFM	
	10205	CHEMICAL OXYGEN DEMAND	ND	51	52	50	mg/L	102	104	80-120	1.9	0-60	LFM	
D080423A														
	9787	BROMATE	ND	0.0106		0.010	mg/L	106	NA	75-125	NA	0-60	LFM	
D080425A														
	10113	BROMATE	0.0025	0.0126J		0.010	mg/L	101	NA	75-125	NA	0-60	LFM	
1080410A														
	10022	NITRATE-N	ND	0.89		1.00	mg/L	99	NA	80-120	NA	0-60	LFM	
	10022	CHLORIDE	3.9	4.8		1.00	mg/L	90	NA	80-120	NA	0-60	LFM	
	10023	CHLORIDE	31	51		20.00	mg/L	100	NA	80-120	NA	0-60	LFM	
	10030	CHLORIDE	122	139		20.00	mg/L	85	NA	80-120	NA	0-60	LFM	
	10058	NITRATE-N	ND	1.03		1.00	mg/L	103	NA	80-120	NA	0-60	LFM	
OPHOS-080410														
	10017	ORTHO-PHOSPHATE	0.04	1.08	1.06	1.00	mg/L	104	102	70-130	1.9	0-50	LFM	
	10018	ORTHO-PHOSPHATE	0.04	1.11	1.11	1.00	mg/L	107	107	70-130	0.0	0-50	LFM	

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Qualifier Definitions

Reference Number: 08-04630

Report Date: 05/09/08

Qualifier	Definition
D1	Data is "suspect", the field duplicate sample does not agree.
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. No sample detections so no further action for this analysis batch.
ME	Matrix spike shows a possible matrix induced bias. The LFB was within acceptance limits, results for this compound are suspect.
N1	Acceptance limits have not been established, the limits listed are for guidance only.

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

4675

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



1620 S. Walnut St.
Burlington, WA 98233
1.800.756.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Report to: Walla Walla Basin Watershed Council	Bill to: Walla Walla Basin Watershed Council	For Lab Use Only Ref #
Ship Address: 810 S. Main Street	Address: 810 S. Main Street	
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program
Attn: Troy Baker	Phone: FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Clean Water Act
Email: Troy.Baker@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> MC <input type="checkbox"/> A/E Expires: /	<input type="checkbox"/> RCRA/ CERCLA
Project: Locker / Hall Westland / HBIC	Card#:	<input checked="" type="checkbox"/> Other

Analyses Requested

Instructions

1. Use one line per sample.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample.
4. Enter number of containers.

Turn Around Time Required

- Standard
- Half-time (50% surcharge)
- Quickest (100% surcharge)
- Other

Field ID	Location	Grab/Comp.	Matrix	Date	Time	525 end (Hexamine)	503 (arsenite)	Bromide	Mercuride	NO3, COD	SOC Package	TDS, Cl, O-Phosph, Turb, Ec	Number of Containers	Special Instructions Conditions on Receipt
1	HLD-1			4/18/08		<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"/>	7	
2	HLD-2			4/18/08		<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"/>	7	
3	HLD-3			4/18/08		<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"/>	7	
4	HLD-SF			4/18/08		<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"/>	7	
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"/>		



Handwritten notes: "Pack out", "999", "08-04630", "999-1000"

Sampled by: **BAKER / Lewis / Parks** Phone: **541-938-2170** FAX: _____ Email: **Troy.Baker@wwbwc.org** Total Containers: **28**

Sample Receipt Request (Must include FAX or Email)

Relinquished by	Date	Time	Received by	Date	Time
			<i>J. M. Gow</i>	4/18/08	9:30

	Yes	No	N/A
Custody seals intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample temp. 20° 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"/>

Hall-Wetland
5/27/2008

Data Report

Collected By: T. Baker

Date Received: 5/28/2008

Lab Number: 15130										Sample Date: 5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.87	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	SO	NO3NO2-080528	
16887-00-6	CHLORIDE	4.6	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	080528A	
E-10173	TOTAL DISSOLVED SOLIDS	188	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/11/2008	MVP	317_080611A	
E-11778	HARDNESS	112	3.30	0.055	mg CaCl	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	21	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	7.50			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	298	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080602	
E-10617	TURBIDITY	4.11	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
14265-44-2	ORTHO-PHOSPHATE	0.24	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SO	OPHOS-080528	

Lab Number: 15131		Sample Description: HW#1 - Hall Wetland						Sample Date: 5/27/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	1.03	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	SO	NO3NO2-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/12/2008	MVP	317_080612A	
E-11778	HARDNESS	61.2	3.30	0.055	mg CaCl	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	6.75			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	163	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080602	
E-10617	TURBIDITY	0.56	0.05	0.02	NTU	1.0	180.1	6/28/2008	CCN	TURB_080528	
16887-00-6	CHLORIDE	2.4	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	080528A	
E-10173	TOTAL DISSOLVED SOLIDS	122	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
14265-44-2	ORTHO-PHOSPHATE	0.24	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SO	OPHOS-080528	

Lab Number: 15132		Sample Description: HW #2 - Hall Wetland						Sample Date: 5/27/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.84	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	SO	NO3NO2-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/12/2008	MVP	317_080612A	
E-11778	HARDNESS	48.6	3.30	0.055	mg CaCl	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	12	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	6.61			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	135	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080602	
E-10617	TURBIDITY	1.24	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
16887-00-6	CHLORIDE	1.6	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	080528A	
E-10173	TOTAL DISSOLVED SOLIDS	112	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
14265-44-2	ORTHO-PHOSPHATE	0.25	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SO	OPHOS-080528	

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



Data Report

Collected By: T. Baker

Date Received: 5/28/2008

Lab Number: 15133		Sample Description: HW #3 - Hall Wetland					Sample Date: 5/27/2008				
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14787-55-8	NITRATE-N	1.11	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	BD	NO3NO2-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.D	6/12/2008	MVP	317_080812A	
E-11778	HARDNESS	61.8	3.30	0.055	mg CaCl	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	10	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	6.74			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10617	TURBIDITY	8.45	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
16887-00-8	CHLORIDE	2.3	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	1080528A	
E-10173	TOTAL DISSOLVED SOLIDS	120	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
14265-44-2	ORTHO-PHOSPHATE	0.23	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SO	OPHOS-080528	
E-10184	ELECTRICAL CONDUCTIVITY	152	10		uS/cm	1.0	SM2510 B	6/13/2008	CCN	EC_080613	

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

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

D.F. = Dilution Factor

WSDOE Lab C1251
 WSDOH Lab 046



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DATA REPORT

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW#1
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615131
 Report Date: 6/10/2008
 Date Analyzed: 6/9/2008
 Extraction Date: 508_080609
 Analyst: GEB
 Peer Review:
 Analytical Method: 508.1
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1 ^A		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1 ^A		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1 ^A		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1 ^A		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1 ^A		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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DATA REPORT

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #2
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615132
 Report Date: 6/10/2008
 Date Analyzed: 6/9/2008
 Extraction Date: 508_080609
 Analyst: GEB
 Peer Review:
 Analytical Method: 508.1
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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DATA REPORT

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #3
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615133
 Report Date: 6/10/2008
 Date Analyzed: 6/9/2008
 Extraction Date: 508_080609
 Analyst: GEB
 Peer Review:
 Analytical Method: 508.1

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-89-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW#1
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615131
 Report Date: 6/16/2008
 Date Analyzed: 6/11/2008
 Extraction Date: 531_080611
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 531.2

Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16855-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #2
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615132
 Report Date: 6/16/2008
 Date Analyzed: 6/11/2008
 Extraction Date: 531_080611
 Analyst: CO
 Peer Review: MUA
 Analytical Method: 531.2

Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.88		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

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CARBAMATES IN DRINKING WATER

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #3
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615133
 Report Date: 6/16/2008
 Date Analyzed: 6/11/2008
 Extraction Date: 531_080611
 Analyst: CO
 Peer Review: MUA
 Analytical Method: 531.2
 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES. State Advisory Level (SAL) for Unregulated compounds.

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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW#1
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615131
 Report Date: 6/19/2008
 Date Analyzed: 6/17/2008
 Extraction Date: 515_080602-
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4-D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5-TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-6	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5-DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDR. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #2
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615132
 Report Date: 6/26/2008
 Date Analyzed: 6/18/2008
 Extraction Date: 515_080602
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 515.1

Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4-D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5-TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5-DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (SAL) for Unregulated compounds.

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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



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HERBICIDES IN DRINKING WATER

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #3
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 04615133
 Report Date: 6/19/2008
 Date Analyzed: 6/17/2008
 Extraction Date: 515_080602
 Analyst: CO
 Peer Review: JVA
 Analytical Method: 515.1
 Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4-D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5-TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5-DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 MCL - Minimum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDES, State Advisory Level (BAL) for Unregulated compounds.
 A blank MCL or BAL value indicates a level is not currently established.
 PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
 MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
 J - Estimated value.



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WSDOE Lab C1251

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DATA REPORT

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

Reference Number: 08-07095
Project: Locker/Hall Wetland/HBBIC

Lab Number: 15131
Field ID: HW#1

Report Date: 6/16/2008
Date Analyzed: 6/13/2008

Sample Description: Hall Wetland
Matrix: Water

Analyst: GEB

Collect Date: 5/27/2008

Peer Review:

Extraction Date: 6/3/2008

Analytical Method: 549.2

Extraction Method: 3535

CAS ID#	COMPOUNDS	RESULT	Paraquat		PQL	MDL	D.F.	Batch	COMMENT
			Flag	Units					
1910-42-5	PARAQUAT	ND		ug/L	2	1.0	1.0	549_080603	

Result of: NA - indicates the compound was not analyzed.

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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 Microbiology | 360.671.0688 • 360.671.1577fax

WSDOE Lab C1251

Page 1 of 1

DATA REPORT

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

Reference Number: 08-07095
 Project: Locker/Hall Wetland/HBBIC

Lab Number: 15132

Field ID: HW #2

Sample Description: Hall Wetland

Matrix: Water

Collect Date: 5/27/2008

Extraction Date: 6/3/2008

Extraction Method: 3535

Report Date: 6/16/2008

Date Analyzed: 6/13/2008

Analyst: GEB

Peer Review:

Analytical Method: 549.2 

Paraquat

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
1910-42-5	PARAQUAT	ND		ug/L	2	1.0	1.0	549_080603	

Result of: NA - indicates the compound was not analyzed.

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

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WSDOE Lab C1251

DATA REPORT

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

Reference Number: 08-07095
 Project: Locker/Hall Wetland/HBBIC

Lab Number: 15133
 Field ID: HW #3

Report Date: 6/16/2008

Sample Description: Hall Wetland

Date Analyzed: 6/13/2008

Matrix: Water

Analyst: GEB

Collect Date: 5/27/2008

Peer Review:

Extraction Date: 6/3/2008

Analytical Method: 549.2

Extraction Method: 3535

Paraquat

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
1910-42-5	PARAQUAT	ND		ug/L	2	1.0	1.0	549_080603	

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 Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW#1
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 15131
 Report Date: 7/3/2008
 Date Analyzed: 6/16/2008
 Extraction Date: 525_080609
 Analyst: CO
 Peer Review: MUA
 Analytical Method: 525.2
 Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
67-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
State Unregulated - Other							
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not Detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
81-20-3	NAPHTHALENE	ND	ug/L	0.1	0.1 ^A		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1 ^A		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 ^A		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

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 Microbiology | 360.671.0688 • 360.671.1577fax

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBC
 Field ID: HW #2
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 15132
 Report Date: 7/3/2008
 Date Analyzed: 6/16/2008
 Extraction Date: 525_080609
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
EPA Regulated							
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
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57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
EPA Unregulated							
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
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51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
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21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
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218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
 Field ID: HW #3
 Sample Description: Hall Wetland
 Sampled By: T. Baker
 Sample Date: 5/27/2008
 Source Type:
 Sampler Phone:

Lab Number: 15133
 Report Date: 7/3/2008
 Date Analyzed: 6/16/2008
 Extraction Date: 525_080609
 Analyst: CO
 Peer Review: MVA
 Analytical Method: 525.2

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1 ^A		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
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WSDOE Lab C1251

Page 1 of 1

DATA REPORT

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

Reference Number: 08-07095
 Project: Locker/Hall Wetland/HBBIC

Lab Number: 15131
 Field ID: HW#1

Report Date: 7/9/2008

Date Analyzed: 6/25/2008

Sample Description: Hall Wetland
 Matrix: Water

Analyst: CO

Peer Review: *MVA*

Collect Date: 5/27/2008

Analytical Method: 525.2

Extraction Date: 6/9/2008

Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080609	Qualitative analysis
80-05-7	BISPHENOL-A	ND		ug/L	0.1	-	1.0	525X_080609	
80-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0		
57837-18-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7788-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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 C1251

Page 1 of 1

DATA REPORT

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

Reference Number: 08-07095
 Project: Locker/Hall Wetland/HBBIC

Lab Number: 15132

Report Date: 7/9/2008

Field ID: HW #2

Date Analyzed: 6/25/2008

Sample Description: Hall Wetland

Analyst: CO

Matrix: Water

Peer Review: MVA

Collect Date: 5/27/2008

Analytical Method: 525.2

Extraction Date: 6/9/2008

Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080609	Qualitative analysis
80-05-7	BISPHENOL-A	0.6		ug/L	0.1	-	1.0	525X_080609	
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0		
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHION	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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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WSDOE Lab C1251

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DATA REPORT

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

Reference Number: 08-07095
 Project: Locker/Hall Wetland/HBBIC

Lab Number: 15133
 Field ID: HW #3

Report Date: 7/9/2008
 Date Analyzed: 6/25/2008

Sample Description: Hall Wetland
 Matrix: Water

Analyst: CO
 Peer Review: MJA
 Analytical Method: 525.2

Collect Date: 5/27/2008

Extraction Date: 6/9/2008
 Extraction Method: 3535

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080809	Qualitative analysis
80-05-7	BISPHENOL-A	ND		ug/L	0.1	-	1.0	525X_080809	
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0		
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15289-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/L	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
 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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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True		Method	% Recovery		QC	Comment
			Value	Units		Limits	Qualifier Type*		
200.7-080630A	HARDNESS	70	68.5	mg/L	200.7	101	80-120	LFB	
508_080609	AROCLOR 1260	2.3	2	ug/L	508.1	115	60-140	LFB	
	TETRACHLORO-M-XYLENE (SURR)	93		%	508.1		70-130		
515_080602	2,4 - D	2.08	2	ug/L	515.1	104	70-130	LFB	
	2,4 - DCAA (SURR)	113		%	515.1		70-130		
	2,4 DB	9.55	8	ug/L	515.1	119	70-130		
	2,4,5 - TP (SILVEX)	1.11	1	ug/L	515.1	111	70-130		
	2,4,5 T	1	1	ug/L	515.1	100	70-130		
	ACIFLUORFEN	1.22	1	ug/L	515.1	122	70-130		
	BENTAZON	2.17	2	ug/L	515.1	109	70-130		
	CHLORAMBEN	0.91	1	ug/L	515.1	91	70-130		
	DALAPON	12.5	13	ug/L	515.1	96	70-130		
	DICAMBA	1.03	1	ug/L	515.1	103	70-130		
	DICHLORPROP	2.78	3	ug/L	515.1	93	70-130		
	DINOSEB	2.66	2	ug/L	515.1	133	70-130	AH	
	PENTACHLOROPHENOL	0.99	1	ug/L	515.1	99	70-130		
	PICLORAM	0.95	1	ug/L	515.1	95	70-130		
	TOTAL (DCPA & Metabolites)	1.16	1	ug/L	515.1	116	70-130		
525_080609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2		70-130	LFB	
	4,4-DDD	1.02	1	ug/L	525.2	102	70-130		
	4,4-DDE	1.03	1	ug/L	525.2	103	70-130		
	4,4-DDT	1.05	1	ug/L	525.2	105	70-130		
	ACENAPHTHYLENE	0.98	1	ug/L	525.2	98	70-130		
	ALACHLOR	2	2	ug/L	525.2	100	70-130		
	ALDRIN	0.98	1	ug/L	525.2	98	70-130		
	ANTHRACENE	0.68	1	ug/L	525.2	68	70-130	CC	
	ATRAZINE	2.09	2	ug/L	525.2	105	70-130		
	BENZ(A)ANTHRACENE	0.92	1	ug/L	525.2	92	70-130		
	BENZO(A)PYRENE	0.75	1	ug/L	525.2	75	70-130		
BENZO(B)FLUORANTHENE	0.88	1	ug/L	525.2	88	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.



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True			Method	%	Recovery Limits	QC	
			Value	Units					Qualifier	Type*
525_080808	BENZO(G,H,I)PERYLENE	0.92	1	ug/L	525.2	92	70-130	LFB		
	BENZO(K)FLUORANTHENE	0.96	1	ug/L	525.2	96	70-130			
	BENZYL BUTYL PHTHALATE	1.05	1	ug/L	525.2	105	70-130			
	BROMACIL	1.03	1	ug/L	525.2	103	70-130			
	BUTACHLOR	1.02	1	ug/L	525.2	102	70-130			
	CHLORDANE, TECHNICAL	0.97	1	ug/L	525.2	97	70-130			
	CHRYSENE	1.03	1	ug/L	525.2	103	70-130			
	CYANAZINE	0.85	1	ug/L	525.2	85	70-130			
	DI(ETHYLHEXYL)-ADIPATE	1.04	1	ug/L	525.2	104	70-130			
	DI(ETHYLHEXYL)-PHTHALATE	1.23	1	ug/L	525.2	123	70-130			
	DIAZINON	1	1	ug/L	525.2	100	70-130			
	DIBENZO(A,H)ANTHRACENE	0.96	1	ug/L	525.2	96	70-130			
	DIELDRIN	0.99	1	ug/L	525.2	99	70-130			
	DIETHYL PHTHALATE	1.1	1	ug/L	525.2	110	70-130			
	DIMETHYL PHTHALATE	1.06	1	ug/L	525.2	106	70-130			
	DI-N-BUTYL PHTHALATE	1.14	1	ug/L	525.2	114	70-130			
	ENDRIN	0.96	1	ug/L	525.2	96	70-130			
	EPTC	0.96	1	ug/L	525.2	96	70-130			
	FLUORENE	1.04	1	ug/L	525.2	104	70-130			
	HEPTACHLOR	0.96	1	ug/L	525.2	96	70-130			
	HEPTACHLOR EPOXIDE	0.94	1	ug/L	525.2	94	70-130			
	HEXACHLOROBENZENE	0.97	1	ug/L	525.2	97	70-130			
	HEXACHLOROCYCLO-PENTADIENE	0.92	1	ug/L	525.2	92	70-130			
	INDENO(1,2,3-CD)PYRENE	0.95	1	ug/L	525.2	95	70-130			
	LINDANE (BHC - GAMMA)	0.87	1	ug/L	525.2	97	70-130			
	MALATHION	1.01	1	ug/L	525.2	101	70-130			
	METHOXYCHLOR	1.08	1	ug/L	525.2	108	70-130			
	METOLACHLOR	1.06	1	ug/L	525.2	106	70-130			
	METRIBUZIN	0.81	1	ug/L	525.2	81	70-130			
	PARATHION	0.83	1	ug/L	525.2	83	70-130			
	PENTACHLOROPHENOL	4.87	4	ug/L	525.2	122	70-130			
	PERYLENE-D12 (Surr)	101		%	525.2		70-130			
	PHENANTHRENE	1	1	ug/L	525.2	100	70-130			
	PROPACHLOR	1.02	1	ug/L	525.2	102	70-130			
	PYRENE	1	1	ug/L	525.2	100	70-130			
	PYRENE-D10 (Surr)	94		%	525.2		70-130			

***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: 08-07095

Report Date: 07/09/08

Batch	Analyte	Result	True			%		QC	
			Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080809	SIMAZINE	0.96	1	ug/L	525.2	96	70-130	LFB	
	TERBACIL	0.99	1	ug/L	525.2	99	70-130		
	TRIFLURALIN	0.91	1	ug/L	525.2	91	70-130		
	TRIPHENYLPHOSPHATE (Surr)	100		%	525.2		70-130		
525X_080609	1-NAPHTHALENEACETAMIDE	2.37	2	ug/L	525.2	119	70-130	LFB	
	CHLORPYRIFOS	0.84	1	ug/L	525.2	84	70-130		
	DICOFOL	2.09	2	ug/L	525.2	105	70-130		
	FENARIMOL	0.9	1	ug/L	525.2	90	70-130		
	HEXAZINONE	1.2	1	ug/L	525.2	120	70-130		
	METALAXYL	2.01	2	ug/L	525.2	101	70-130		
	METHIDATHINON	2.18	2	ug/L	525.2	109	85-115		
	MEVINPHOS	0.99	1	ug/L	525.2	99	70-130		
	MYCLOBUTANIL	2.54	2	ug/L	525.2	127	85-115		
	NAPROPAMIDE	0.59	1	ug/L	525.2	59	70-130		
	PHOSMET	2.04	2	ug/L	525.2	102	70-130		
	PROPARGITE	2.16	2	ug/L	525.2	108	85-115		
	TRIADIMEFON	0.73	1	ug/L	525.2	73	70-130		
TRIFLUMIZOLE	1.68	2	ug/L	525.2	84	85-115			
531_080611	3-HYDROXYCARBOFURAN	9.3	10	ug/L	531.2	93	70-130	LFB	
	ALDICARB	8.5	10	ug/L	531.2	85	70-130		
	ALDICARB SULFONE	8.8	10	ug/L	531.2	88	70-130		
	ALDICARB SULFOXIDE	8.3	10	ug/L	531.2	83	70-130		
	CARBARYL	9.3	10	ug/L	531.2	93	70-130		
	CARBOFURAN	9.4	10	ug/L	531.2	94	70-130		
	METHIOCARB	9.1	10	ug/L	531.2	91	70-130		
	METHOMYL	10	10	ug/L	531.2	100	70-130		
	OXYMAL	9.3	10	ug/L	531.2	93	70-130		
	PROPOXUR (BAYGON)	9.5	10	ug/L	531.2	95	70-130		
531_080611	3-HYDROXYCARBOFURAN	20	20	ug/L	531.2	100	70-130	LFB	
	ALDICARB	19	20	ug/L	531.2	95	70-130		
	ALDICARB SULFONE	19	20	ug/L	531.2	95	70-130		
	ALDICARB SULFOXIDE	18	20	ug/L	531.2	90	70-130		

*Notation:

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

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Laboratory Fortified Blank

Reference Number: 08-07095

Report Date: 07/09/08

Batch	Analyte	Result	True		Method	%		QC		Comment
			Value	Units		Recovery	Limits	Qualifier Type*		
531_080611	CARBARYL	19.5	20	ug/L	531.2	98	70-130	LFB		
	CARBOFURAN	20	20	ug/L	531.2	100	70-130			
	METHIOCARB	19	20	ug/L	531.2	95	70-130			
	METHOMYL	21	20	ug/L	531.2	105	70-130			
	OXYMAL	19.5	20	ug/L	531.2	98	70-130			
	PROPOXUR (BAYGON)	20	20	ug/L	531.2	100	70-130			
531_080611	3-HYDROXYCARBOFURAN	1	1	ug/L	531.2	100	70-130	LFB		
	ALDICARB	0.6	1	ug/L	531.2	60	70-130		Limits 50-150% at PQL	
	ALDICARB SULFONE	0.75	1	ug/L	531.2	75	70-130			
	ALDICARB SULFOXIDE	1	1	ug/L	531.2	100	70-130			
	CARBARYL	0.9	1	ug/L	531.2	90	70-130			
	CARBOFURAN	1	1	ug/L	531.2	100	70-130			
	METHIOCARB	1	1	ug/L	531.2	100	70-130			
	METHOMYL	0.8	1	ug/L	531.2	80	70-130			
	OXYMAL	1	1	ug/L	531.2	100	70-130			
	PROPOXUR (BAYGON)	1	1	ug/L	531.2	100	70-130			
549_080603	PARAQUAT	14.1	20	ug/L	549.2	71	70-130	LFB		
COD_080604	CHEMICAL OXYGEN DEMAND	51	50	mg/L	SM5220 D	102	80-120	LFB		
OPHOS-080528	ORTHO-PHOSPHATE	1.02	1.00	mg/L	SM4500-P F	102	70-130	LFB		
lds_080602	TOTAL DISSOLVED SOLIDS	500	500	mg/L	SM2540 C	100	80-120	LFB		
lds_080602	TOTAL DISSOLVED SOLIDS	488	500	mg/L	SM2540 C	98	80-120	LFB		
lds_080602	TOTAL DISSOLVED SOLIDS	523	500	mg/L	SM2540 C	105	80-120	LFB		

*Notation:

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Laboratory Reagent Blank

Reference Number: 08-07095
 Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7		10.0000	LRB	
317_080806A	BROMATE	ND		ug/L	317.0		0.00000	LRB	
317_080611A	BROMATE	ND		ug/L	317.0		0.00000	LRB	
317_080812A	BROMATE	ND		ug/L	317.0		0.00000	LRB	
COD_080804	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		4.00000	LRB	
ID80528A	CHLORIDE	ND		mg/L	300.0		0.10000	LRB	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000	LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7		0.82000	MB	
508_080609	AROCLOR 1016	ND		ug/L	508.1		0.02000	MB	
	AROCLOR 1221	ND		ug/L	508.1		0.12000		
	AROCLOR 1232	ND		ug/L	508.1		0.02000		
	AROCLOR 1242	ND		ug/L	508.1		0.02000		
	AROCLOR 1248	ND		ug/L	508.1		0.02000		
	AROCLOR 1254	ND		ug/L	508.1		0.02000		
	AROCLOR 1260	ND		ug/L	508.1		0.02000		
	TETRACHLORO-M-XYLENE (SURR)	86		%	508.1		0.00000		
515_080602	2,4 - D	ND		ug/L	515.1		0.05000	MB	
	2,4 - DCAA (SURR)	110		%	515.1				
	2,4 DB	ND		ug/L	515.1		0.25000		
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.10000		
	2,4,5 T	ND		ug/L	515.1		0.10000		
	ACIFLUORFEN	ND		ug/L	515.1		0.50000		
	BENTAZON	ND		ug/L	515.1		0.12000		
	CHLORAMBEN	ND		ug/L	515.1		0.20000		
	DALAPON	ND		ug/L	515.1		0.50000		
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.10000		
	DICAMBA	ND		ug/L	515.1		0.05000		
	DICHLORPROP	ND		ug/L	515.1		0.12000		
	DINOSEB	ND		ug/L	515.1		0.10000		
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.02000		
	PICLORAM	ND		ug/L	515.1		0.05000		
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.02000		
525_080609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	97		%	525.2			MB	
	4,4-DDD	ND		ug/L	525.2		0.05000		
	4,4-DDE	ND		ug/L	525.2		0.05000		
	4,4-DDT	ND		ug/L	525.2		0.05000		
	ACENAPHTHENE	ND		ug/L	525.2		0.05000		

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SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
 Report Date: 07/09/08

Batch	Analyte	Result	True		Method	%	QC		Comment
			Value	Units			Recovery	Limits	
525_060609	ALACHLOR	ND		ug/L	525.2		0.02000	MB	
	ALDRIN	ND		ug/L	525.2		0.05000		
	ANTHRACENE	ND		ug/L	525.2		0.05000		
	ATRAZINE	ND		ug/L	525.2		0.02000		
	BENZ(A)ANTHRACENE	ND		ug/L	525.2		0.02000		
	BENZO(A)PYRENE	ND		ug/L	525.2		0.02000		
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2		0.05000		
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2		0.05000		
	BENZO(K)FLUORANTHENE	ND		ug/L	525.2		0.05000		
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2		0.60000		
	BROMACIL	ND		ug/L	525.2		0.05000		
	BUTACHLOR	ND		ug/L	525.2		0.10000		
	CHLORDANE, TECHNICAL	ND		ug/L	525.2		0.02000		
	CHRYSENE	ND		ug/L	525.2		0.05000		
	CYANAZINE	ND		ug/L	525.2		0.05000		
	DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2		0.02000		
	DI(ETHYLHEXYL)-PHTHALATE	0.13		ug/L	525.2		0.60000		
	DIAZINON	ND		ug/L	525.2		0.05000		
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2		0.05000		
	DIELDRIN	ND		ug/L	525.2		0.05000		
	DIETHYL PHTHALATE	ND		ug/L	525.2		0.60000		
	DIMETHYL PHTHALATE	ND		ug/L	525.2		0.60000		
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2		0.60000		
	ENDRIN	ND		ug/L	525.2		0.02000		
	EPTC	ND		ug/L	525.2		0.07000		
	FLUORANTHENE	ND		ug/L	525.2		0.05000		
	FLUORENE	ND		ug/L	525.2		0.05000		
	HEPTACHLOR	ND		ug/L	525.2		0.02000		
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2		0.02000		
	HEXACHLOROBENZENE	ND		ug/L	525.2		0.02000		
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2		0.02000		
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2		0.05000		
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.02000		
	MALATHION	ND		ug/L	525.2		0.05000		
	METHOXYCHLOR	ND		ug/L	525.2		0.02000		
	METOLACHLOR	ND		ug/L	525.2		0.25000		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True		Method	%		QC	
			Value	Units		Recovery	Limits	Qualifier Type*	Comment
525_080609	METRIBUZIN	ND		ug/L	525.2		0.05000		MB
	NAPHTHALENE	ND		ug/L	525.2		0.02000		
	PARATHION	ND		ug/L	525.2		0.05000		
	PENTACHLOROPHENOL	ND		ug/L	525.2		0.04000		
	PERYLENE-D12 (Surr)	95		%	525.2				
	PHENANTHRENE	ND		ug/L	525.2		0.05000		
	PROPACHLOR	ND		ug/L	525.2		0.05000		
	PYRENE	ND		ug/L	525.2		0.05000		
	PYRENE-D10 (Surr)	98		%	525.2				
	SIMAZINE	ND		ug/L	525.2		0.02000		
	TERBACIL	ND		ug/L	525.2		0.05000		
	TRIFLURALIN	ND		ug/L	525.2		0.05000		
TRIPHENYLPHOSPHATE (Surr)	106		%	525.2					
525X_080609	1-NAPHTHALENEACETAMIDE	ND		ug/L	525.2		0.10000		MB
	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000		
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000		
	DICOFOL	ND		ug/L	525.2		0.00000		
	DIMETHOATE	ND		ug/L	525.2		0.00000		
	FENARIMOL	ND		ug/L	525.2		0.00000		
	HEXAZINONE	ND		ug/L	525.2		0.00000		
	MALATHION	ND		ug/L	525.2		0.05000		
	METALAXYL	ND		ug/L	525.2		0.10000		
	METHIDATHINON	ND		ug/L	525.2		0.50000		
	METHYL PARATHION	ND		ug/L	525.2		0.00000		
	MEVINPHOS	ND		ug/L	525.2		0.00000		
	MYCLOBUTANIL	ND		ug/L	525.2		0.50000		
	NAPROPAMIDE	ND		ug/L	525.2		0.00000		
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000		
	PHOSMET	ND		ug/L	525.2		0.10000		
	PROPARGITE	ND		ug/L	525.2		0.00000		
	TRIADIMEFON	ND		ug/L	525.2		0.00000		
	TRIFLUMIZOLE	ND		ug/L	525.2		1.00000		

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SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095

Report Date: 07/09/08

Batch	Analyte	Result	True		Method	% Recovery		QC		Comment
			Value	Units		Limits	Qualifier Type*			
531_080611	3-HYDROXYCARBOFURAN	ND		ug/L	531.2	0.50000		MB		
	ALDICARB	ND		ug/L	531.2	0.25000				
	ALDICARB SULFONE	ND		ug/L	531.2	0.40000				
	ALDICARB SULFOXIDE	ND		ug/L	531.2	0.25000				
	CARBARYL	ND		ug/L	531.2	0.50000				
	CARBOFURAN	ND		ug/L	531.2	0.45000				
	METHIOCARB	ND		ug/L	531.2	1.00000				
	METHOMYL	ND		ug/L	531.2	0.25000				
	OXYMAL	ND		ug/L	531.2	1.00000				
PROPOXUR (BAYGON)	ND		ug/L	531.2	0.25000					
549_080803	PARAQUAT	ND		ug/L	549.2	0.50000		MB		
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080802	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000		MB		
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0.10000		MB		
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000		MB		
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000		MB		

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SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
 Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier Type*	Comment
ids_080802	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000	MB	
turb_080528	TURBIDITY	ND		NTU	180.1		0.02000	MB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-07095
 Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	QC Qualifier Type*	Comment
200.7-080530A	HARDNESS	129	132.3	mg/L	200.7	98	80-120	QCS	
317_080606A	BROMATE	38.2	40.8	ug/L	317.0	94	70-130	QCS	
317_080611A	BROMATE	37.8	40.8	ug/L	317.0	93	70-130	QCS	
317_080612A	BROMATE	39	40.8	ug/L	317.0	96	70-130	QCS	
531_080611	3-HYDROXYCARBOFURAN	36.7	34.2	ug/L	531.2	107	70-130	QCS	
	ALDICARB	27.4	26	ug/L	531.2	105	70-130		
	ALDICARB SULFONE	33.8	30	ug/L	531.2	113	70-130		
	ALDICARB SULFOXIDE	18.5	16.6	ug/L	531.2	111	70-130		
	CARBARYL	32.4	30	ug/L	531.2	108	70-130		
	CARBOFURAN	104	100	ug/L	531.2	104	70-130		
	METHIOCARB	65.6	90.1	ug/L	531.2	73	70-130		
	METHOMYL	60	60.1	ug/L	531.2	100	70-130		
	OXYMAL	46.7	44.2	ug/L	531.2	106	70-130		
	PROFOXUR (BAYGON)	83.9	80.3	ug/L	531.2	104	70-130		
549_080603	PARAQUAT	3.2	4.8	ug/L	549.2	67	70-130	QCS	
COD_080604	CHEMICAL OXYGEN DEMAND	138	133	mg/L	SM5220 D	104	80-120	QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-120	QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-120	QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	173	169	uS/cm	SM2510 B	102	80-120	QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	172	169	uS/cm	SM2510 B	102	80-120	QCS	

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**SAMPLE INDEPENDENT
 QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: 08-07095
 Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier Type*	Comment
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120	QCS	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120	QCS	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120	QCS	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120	QCS	
I080528A	CHLORIDE	29.1	30.0	mg/L	300.0	97	80-120	QCS	
OPHOS-080528	ORTHO-PHOSPHATE	0.50	0.49	mg/L	SM4500-P F	102	70-130	QCS	
ph_080528	HYDROGEN ION (pH)	8.09	8.00	pH Units	SM4500-H+ B	101	80-120	QCS	
	HYDROGEN ION (pH)	8.20	8.00	pH Units	SM4500-H+ B	103	80-120		
ph_080528	HYDROGEN ION (pH)	8.19	8.00	pH Units	SM4500-H+ B	102	80-120	QCS	
turb_080528	TURBIDITY	1.00	1.00	NTU	180.1	100	70-130	QCS	

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QUALITY CONTROL REPORT
 Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-07095

Report Date: 7/9/2008

Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC Qualifier	Comments
			Result	Result					
200.7-080530A									
	15125	HARDNESS	156	156	mg CaCO3/L	0.0	0-45	DUP	
	15169	HARDNESS	79.8	81.1	mg CaCO3/L	1.6	0-45	DUP	
317_080606A									
317_080611A									
317_080612A									
	15036	BROMATE	6.5	6.7	ug/L	3.0	0-50	DUP	
515_080602									
525_080609									
	15132	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96	96	%	2.1	0-45	DUP	
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45	DUP	
	15132	PERYLENE-D12 (Surr)	103	102	%	1.0	0-45	DUP	
	15132	TRIPHENYLPHOSPHATE (Surr)	108	112	%	3.8	0-45	DUP	
	15132	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98	96	%	2.1	0-45	DUP	
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45	DUP	
	15132	PERYLENE-D12 (Surr)	103	102	%	1.0	0-45	DUP	
	15132	TRIPHENYLPHOSPHATE (Surr)	108	112	%	3.6	0-45	DUP	
525X_080609									
	15132	BISPHENOL-A	0.6	0.6	ug/L	0.0	0-20	DUP	
COD_080604									
	15260	CHEMICAL OXYGEN DEMAND	8900	8850	mg/L	0.6	0-45	DUP	
EC_080602									
	15127	ELECTRICAL CONDUCTIVITY	129	129	uS/cm	0.0	0-45	DUP	
	15147	ELECTRICAL CONDUCTIVITY	400	403	uS/cm	0.7	0-45	DUP	
	15463	ELECTRICAL CONDUCTIVITY	732	732	uS/cm	0.0	0-45	DUP	
EC_080613									
	16628	ELECTRICAL CONDUCTIVITY	301	301	uS/cm	0.0	0-45	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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Duplicate

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC	Comments
			Result	Result				Qualifier	
	16978	ELECTRICAL CONDUCTIVITY	237	237	uS/cm	0.0	0-45	DUP	
	17042	ELECTRICAL CONDUCTIVITY	744	743	uS/cm	0.1	0-45	DUP	
I080528A									
	15147	CHLORIDE	31	31	mg/L	0.0	0-45	DUP	
	15169	CHLORIDE	26	26	mg/L	0.0	0-45	DUP	
NO3NO2-080528									
	15050	NITRATE-N	0.54	0.54	mg/L	0.0	0-20	DUP	
	15080	NITRATE-N	0.04	0.04	mg/L	0.0	0-20	DUP	
	15133	NITRATE-N	1.11	1.10	mg/L	0.9	0-20	DUP	
OPHOS-080528									
	15060	ORTHO-PHOSPHATE	0.32	0.33	mg/L	3.1	0-50	DUP	
	15128	ORTHO-PHOSPHATE	0.12	0.12	mg/L	0.0	0-50	DUP	
	15133	ORTHO-PHOSPHATE	0.23	0.23	mg/L	0.0	0-50	DUP	
PH_080528									
	15131	HYDROGEN ION (pH)	6.75	6.70	pH Units	0.7	0-45	DUP	
	15169	HYDROGEN ION (pH)	8.10	8.08	pH Units	0.2	0-45	DUP	
TDS_080602									
	15133	TOTAL DISSOLVED SOLIDS	120	117	mg/L	2.5	0-45	DUP	
	15509	TOTAL DISSOLVED SOLIDS	50	53	mg/L	5.8	0-45	DUP	
TURB_080528									
	15133	TURBIDITY	8.45	8.22	NTU	2.8	0-50	DUP	
	15147	TURBIDITY	4.74	5.15	NTU	8.3	0-50	DUP	

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Matrix Spike

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits	%RPD	Limits	QC Qualifier	Comments
				Spike Result	Spike Result			MS	MSD					
200.7-080530A														
	15125	HARDNESS	156	220	221	69.5	mg CaCO3/L	92	94	80-120	1.6	0-80	LFM	
	15169	HARDNESS	79.8	146	146	69.5	mg CaCO3/L	95	95	80-120	0.0	0-80	LFM	
317_080606A														
	14879	BROMATE	ND	9.3		10.0	ug/L	93	NA	70-130	NA	0-50	LFM	
317_080611A														
	15130	BROMATE	ND	7.6		10	ug/L	78	NA	70-130	NA	0-50	LFM	
317_080812A														
	15036	BROMATE	6.5	18		10	ug/L	115	NA	70-130	NA	0-50	LFM	
	15512	BROMATE	ND	10.9		10	ug/L	109	NA	70-130	NA	0-50	LFM	
515_080802														
	14221	2,4 - D	ND	2.18		2	ug/L	108	NA	65-135	NA	0-80	LFM	
	14221	2,4,5 - TP (SILVEX)	ND	1.19		1	ug/L	119	NA	65-135	NA	0-80	LFM	
	14221	PENTACHLOROPHENOL	ND	1.06		1	ug/L	106	NA	65-135	NA	0-80	LFM	
	14221	DALAPON	ND	12.1		13	ug/L	93	NA	65-135	NA	0-60	LFM	
	14221	DINOSEB	ND	2.81		2	ug/L	141	NA	65-135	NA	0-60	AH	LFM
	14221	PICLORAM	ND	0.96		1	ug/L	96	NA	65-135	NA	0-60	LFM	
	14221	DICAMBA	ND	1.05		1	ug/L	105	NA	65-135	NA	0-80	LFM	
	14221	TOTAL (DCFA & Metabolites)	ND	1.19		1	ug/L	119	NA	65-135	NA	0-60	LFM	
	14221	2,4 DB	ND	10.8		8	ug/L	133	NA	65-135	NA	0-80	LFM	
	14221	2,4,5 T	ND	1.08		1	ug/L	106	NA	65-135	NA	0-80	LFM	
	14221	BENTAZON	ND	2.28		2	ug/L	113	NA	65-135	NA	0-80	LFM	
	14221	DICHLORPROP	ND	2.89		3	ug/L	96	NA	65-135	NA	0-60	LFM	
	14221	ACIFLUORFEN	ND	1.29		1	ug/L	129	NA	65-135	NA	0-80	LFM	
	14221	CHLORAMBEN	ND	0.78		1	ug/L	76	NA	65-135	NA	0-50	LFM	
	14221	2,4 - DCAA (SURR)	108	116			%		NA	70-130	NA	0-80	LFM	
525_080609														
	15133	ENDRIN	ND	0.99		1	ug/L	99	NA	70-130	NA	0-80	LFM	
	15133	LINDANE (BHC - GAMMA)	ND	1		1	ug/L	100	NA	70-130	NA	0-80	LFM	
	15133	METHOXYCHLOR	ND	1.14		1	ug/L	114	NA	70-130	NA	0-80	LFM	
	15133	ALACHLOR	ND	2.08		2	ug/L	104	NA	70-130	NA	0-80	LFM	
	15133	ATRAZINE	ND	2.25		2	ug/L	113	NA	70-130	NA	0-80	LFM	
	15133	BENZO(A)PYRENE	ND	0.75		1	ug/L	75	NA	70-130	NA	0-60	LFM	
	15133	CHLORDANE, TECHNICAL	ND	1.02		1	ug/L	102	NA	70-130	NA	0-80	LFM	
	15133	D(ETHYLHEXYL)-ADIPATE	ND	1.09		1	ug/L	109	NA	70-130	NA	0-80	LFM	

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Matrix Spike

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					Spike Result	Spike Conc		MS	MSD	Limit			Qualifier		
15133	DI(ETHYLHEXYL)-PHTHALATE	ND	1.33		1	ug/L	133	NA	70-130	NA	0-60	BQ	LFM		
15133	HEPTACHLOR	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM		
15133	HEPTACHLOR EPOXIDE	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM		
15133	HEXACHLOROBENZENE	ND	1.05		1	ug/L	105	NA	70-130	NA	0-60		LFM		
15133	HEXACHLOROCYCLO-PENTADIENE	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM		
15133	SIMAZINE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM		
15133	PENTACHLOROPHENOL	ND	5.3		4	ug/L	133	NA	70-130	NA	0-50		LFM		
15133	ALDRIN	ND	0.96		1	ug/L	96	NA	70-130	NA	0-60		LFM		
15133	BUTACHLOR	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM		
15133	DIELDRIN	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM		
15133	METOLACHLOR	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM		
15133	METRIBUZIN	ND	0.93		1	ug/L	93	NA	70-130	NA	0-60		LFM		
15133	PROPACHLOR	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60		LFM		
15133	BROMACIL	ND	1.12		1	ug/L	112	NA	70-130	NA	0-60		LFM		
15133	TERBACIL	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM		
15133	DIAZINON	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM		
15133	SIMAZINE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM		
15133	EPTC	ND	1.01		1	ug/L	101	NA	70-130	NA	0-60		LFM		
15133	DIAZINON	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM		
15133	4,4-DDD	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM		
15133	4,4-DDE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM		
15133	LINDANE (BHC - GAMMA)	ND	1		1	ug/L	100	NA	70-130	NA	0-60		LFM		
15133	4,4-DDT	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM		
15133	CYANAZINE	ND	0.89		1	ug/L	89	NA	70-130	NA	0-60		LFM		
15133	MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM		
15133	PARATHION	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM		
15133	TRIFLURALIN	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM		
15133	4,4-DDD	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM		
15133	4,4-DDE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM		
15133	4,4-DDT	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM		
15133	MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM		
15133	PARATHION-ETHYL	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM		
15133	FLUORENE	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60		LFM		
15133	ACENAPHTHYLENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM		
15133	ANTHRACENE	ND	0.48		1	ug/L	48	NA	70-130	NA	0-60	CC	LFM		
15133	BENZ(A)ANTHRACENE	ND	0.91		1	ug/L	91	NA	70-130	NA	0-60		LFM		

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Matrix Spike

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				Spike Result	Spike Result	Spike Conc	MS	MSD	Limits	%RPD	Limits	Qualifier	
	15133	BENZO(B)FLUORANTHENE	ND	0.96		1	96	NA	70-130	NA	0-60	LFM	
	15133	BENZO(G,H,I)PERYLENE	ND	1		1	100	NA	70-130	NA	0-60	LFM	
	15133	BENZO(K)FLUORANTHENE	ND	1.02		1	102	NA	70-130	NA	0-60	LFM	
	15133	CHRYSENE	ND	1.07		1	107	NA	70-130	NA	0-60	LFM	
	15133	DIBENZO(A,H)ANTHRACENE	ND	1.01		1	101	NA	70-130	NA	0-60	LFM	
	15133	INDENO(1,2,3-CD)PYRENE	ND	1.04		1	104	NA	70-130	NA	0-60	LFM	
	15133	PHENANTHRENE	ND	1.04		1	104	NA	70-130	NA	0-60	LFM	
	15133	PYRENE	ND	1.04		1	104	NA	70-130	NA	0-60	LFM	
	15133	BENZYL BUTYL PHTHALATE	ND	1.11		1	111	NA	70-130	NA	0-60	LFM	
	15133	DI-N-BUTYL PHTHALATE	ND	1.23		1	123	NA	70-130	NA	0-60	LFM	
	15133	DIETHYL PHTHALATE	ND	1.2		1	120	NA	70-130	NA	0-60	LFM	
	15133	DIMETHYL PHTHALATE	ND	1.1		1	110	NA	70-130	NA	0-60	LFM	
	15133	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98	98				NA	70-130	NA	0-60	LFM	
	15133	PYRENE-D10 (Surr)	95	94				NA	70-130	NA	0-60	LFM	
	15133	PERYLENE-D12 (Surr)	102	99				NA	70-130	NA	0-60	LFM	
	15133	TRIPHENYLPHOSPHATE (Surr)	108	102				NA	70-130	NA	0-60	LFM	
525X_080609													
	15133	PROPARGITE	ND	2.3		2	115	NA	70-130	NA	0-50	LFM	
	15133	METALAXYL	ND	2.06		2	103	NA	70-130	NA	0-50	LFM	
	15133	NAPROPAMIDE	ND	0.81		1	81	NA	70-130	NA	0-50	LFM	
	15133	1-NAPHTHALENEACETAMIDE	ND	2.64		2	132	NA	70-130	NA	0-50	LFM	
	15133	FENARIMOL	ND	0.99		1	99	NA	70-130	NA	0-50	LFM	
	15133	MEVINPHOS	ND	1.08		2	64	NA	70-130	NA	0-50	LFM	
	15133	CHLORPYRIFOS	ND	0.84		1	94	NA	70-130	NA	0-50	LFM	
	15133	DICOFOL	ND	2.24		2	112	NA	70-130	NA	0-50	LFM	
	15133	PHOSMET	ND	2.26		2	113	NA	70-130	NA	0-50	LFM	
	15133	TRIADIMEFON	ND	0.8		1	80	NA	70-130	NA	0-50	LFM	
	15133	TRIFLUMIZOLE	ND	1.81		2	91	NA	70-130	NA	0-50	LFM	
	15133	METHIDATHINON	ND	2.32		2	116	NA	70-130	NA	0-50	LFM	
	15133	MYCLOBUTANIL	ND	2.65		2	133	NA	70-130	NA	0-50	LFM	
	15133	HEXAZINONE	ND	1.25		1	125	NA	70-130	NA	0-50	LFM	
531_080611													
	13899	OXYMAL	ND	8.7		10	87	NA	70-130	NA	0-50	LFM	
	13899	CARBOFURAN	ND	8.8		10	88	NA	70-130	NA	0-50	LFM	
	13899	ALDICARB SULFOXIDE	ND	7.8		10	78	NA	70-130	NA	0-50	LFM	
	13899	ALDICARB SULFONE	ND	8.5		10	85	NA	70-130	NA	0-50	LFM	

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Matrix Spike

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				Spike Result	Spike Result	Spike Conc		MS	MSD							
	13899	METHOMYL	ND	9.4		10	ug/L	94	NA	70-130	NA	0-50		LFM		
	13899	3-HYDROXYCARBOFURAN	ND	8.9		10	ug/L	89	NA	70-130	NA	0-50		LFM		
	13899	ALDICARB	ND	8		10	ug/L	80	NA	70-130	NA	0-50		LFM		
	13899	CARBARYL	ND	8.8		10	ug/L	88	NA	70-130	NA	0-50		LFM		
	13899	PROPOXUR (BAYGON)	ND	9		10	ug/L	90	NA	70-130	NA	0-50		LFM		
	13899	METHIOCARB	ND	8.1		10	ug/L	81	NA	70-130	NA	0-50		LFM		
	15128	OXYMAL	ND	8.5	7.6	10	ug/L	85	76	70-130	11.2	0-50		LFM		
	15128	CARBOFURAN	ND	8.8	7.9	10	ug/L	88	79	70-130	10.8	0-50		LFM		
	15128	ALDICARB SULFOXIDE	ND	7.8	7	10	ug/L	78	70	70-130	10.8	0-50		LFM		
	15128	ALDICARB SULFONE	ND	8.7	7.2	10	ug/L	87	72	70-130	18.9	0-50		LFM		
	15128	METHOMYL	ND	8.8	8.2	10	ug/L	88	82	70-130	7.1	0-50		LFM		
	15128	3-HYDROXYCARBOFURAN	ND	9.8	8.8	10	ug/L	98	86	70-130	11.0	0-50		LFM		
	15128	ALDICARB	ND	8.3	7	10	ug/L	83	76	70-130	17.0	0-50		LFM		
	15128	CARBARYL	ND	8.8	7.6	10	ug/L	88	76	70-130	14.6	0-50		LFM		
	15128	PROPOXUR (BAYGON)	ND	9.3	7.9	10	ug/L	93	79	70-130	16.3	0-50		LFM		
	15128	METHIOCARB	ND	8.8	7.4	10	ug/L	88	74	70-130	15.0	0-50		LFM		
COD_080804																
	15131	CHEMICAL OXYGEN DEMAND	ND	57	57	50	mg/L	114	114	80-120	0.0	0-60		LFM		
	15280	CHEMICAL OXYGEN DEMAND	8900	11300	11300	2500	mg/L	96	96	80-120	0.0	0-60		LFM		
1080528A																
	15147	CHLORIDE	31	32		1.00	mg/L	100	NA	80-120	NA	0-60		LFM		
	15189	CHLORIDE	26	47		20.00	mg/L	105	NA	80-120	NA	0-60		LFM		
NO3NO2-080528																
	15050	NITRATE-N	0.54	1.56	1.54	1.00	mg/L	102	100	90-110	2.0	0-50		LFM		
	15080	NITRATE-N	0.04	1.07	1.05	1.00	mg/L	103	101	90-110	2.0	0-50		LFM		
	15061	NITRATE-N	0.56	1.59	1.58	1.00	mg/L	103	100	90-110	3.0	0-50		LFM		
	15133	NITRATE-N	1.11	2.11	2.09	1.00	mg/L	100	98	90-110	2.0	0-50		LFM		
OPHOS-080528																
	15050	ORTHO-PHOSPHATE	ND	1.09	1.08	1.00	mg/L	109	106	70-130	2.8	0-50		LFM		
	15080	ORTHO-PHOSPHATE	0.32	1.39	1.36	1.00	mg/L	107	104	70-130	2.8	0-50		LFM		
	15128	ORTHO-PHOSPHATE	0.12	1.17	1.16	1.00	mg/L	105	104	70-130	1.0	0-50		LFM		
	15133	ORTHO-PHOSPHATE	0.23	1.27	1.30	1.00	mg/L	104	107	70-130	2.8	0-50		LFM		

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QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 08-07095
Report Date: 07/09/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
515_080602 15124	2,4 - DCAA (Surr)	108		%	515.1	Acceptance Range is 70 - 130%
508_080609 15124	TETRACHLORO-M-XYLENE (Surr)	86		%	508.1	Acceptance Limits 70%-130%
525_080609 15124	1,3-DIMETHYL-2-NITROBENZENE (Surr)	100		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	96		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	106		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%
515_080602 15125	2,4 - DCAA (Surr)	112		%	515.1	Acceptance Range is 70 - 130%
515_080602 15126	2,4 - DCAA (Surr)	107		%	515.1	Acceptance Range is 70 - 130%
515_080602 15127	2,4 - DCAA (Surr)	109		%	515.1	Acceptance Range is 70 - 130%
515_080602 15128	2,4 - DCAA (Surr)	108		%	515.1	Acceptance Range is 70 - 130%
515_080602 15129	2,4 - DCAA (Surr)	105		%	515.1	Acceptance Range is 70 - 130%
515_080602 15130	2,4 - DCAA (Surr)	117		%	515.1	Acceptance Range is 70 - 130%
515_080602 15131	2,4 - DCAA (Surr)	117		%	515.1	Acceptance Range is 70 - 130%
508_080609 15131	TETRACHLORO-M-XYLENE (Surr)	80		%	508.1	Acceptance Limits 70%-130%
525_080609 15131	1,3-DIMETHYL-2-NITROBENZENE (Surr)	99		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	93		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	110		%		Acceptance Range is 70% to 130%
515_080602 15132	2,4 - DCAA (Surr)	107		%	515.1	Acceptance Range is 70 - 130%
508_080609 15132	TETRACHLORO-M-XYLENE (Surr)	82		%	508.1	Acceptance Limits 70%-130%
525_080609 15132	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	96		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%
515_080602 15133	2,4 - DCAA (Surr)	112		%	515.1	Acceptance Range is 70 - 130%
508_080609 15133	TETRACHLORO-M-XYLENE (Surr)	80		%	508.1	Acceptance Limits 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.



QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 08-07095
Report Date: 07/09/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
525_080609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98		%	525.2	Acceptance Range is 70% to 130%
15133	PYRENE-D10 (Surr)	95		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	102		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 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: 08-07095

Report Date: 07/09/08

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.
BQ	Indicates that an analyte has been detected in the laboratory method blank. This flag denotes possible contribution of laboratory background.
CC	Continuing calibration check standard was within acceptance limits. Low recovery for a PAH may possibly be a result of photo-degradation.

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 Council	Bill to: Walla Walla Basin Watershed Council	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 S Main Street	Ref #
City: Milton-Freewater OR Zip: 97862	City: Milton-Freewater OR Zip: 97862	Check Regulatory Program
Attn: Bob Bower	Phone: _____ FAX: _____	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#: _____ Attn: _____	<input type="checkbox"/> Clean Water Act
Email: _____	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Express /	<input type="checkbox"/> RCRA / CERCLA
Project: Locher / Hall Wetland / HBDIC	Card#: _____	<input checked="" type="checkbox"/> Other



1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Analyses Requested

Instructions

1. Use one line per sample.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample.
4. Enter number of containers.

Turn Around Time Required

Standard
 Half-time (50% surcharge)
 Quickest (100% surcharge)
 Other



CO005214

Field ID	Location	Grab/Comp.	Matrix	Date	Time	521	Bromate	Hardness	NO3 COD	SOC Package	TDS, Cl, O-Phos, pH, Turb, Ec	525	Number of Containers	Special Instructions Conditions on Receipt
1	HBDIC OBS1			5/27/08	7:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9	
2	L-1				8:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	
3	L-2				8:45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	
4	L-3				9:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	
5	L-Interk				9:45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	
6	L-5 I				10:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	
7	L-5 Z				10:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	
8	HW #1				11:13	<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	
9	HW #2				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"/>	9	
10	HW #3				10:45	<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	
Sampled by: T. BAKER Phone: (541) 938-2170 FAX: _____ Email: trav.baker@w2000oc.org													Total Containers	

Sample Receipt Request (Must include FAX or Email)

08-07095
15124 - 15133

Relinquished by	Date	Time	Received by	Date	Time
			L. Kennaugh	5-28-08	

Custody seals intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample temp <u>3</u> C satisfactory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received intact	<input type="checkbox"/>	<input type="checkbox"/>	
Chain of custody & labels agree	<input type="checkbox"/>	<input type="checkbox"/>	

525's not preserved with HCL - okay per CO



Burlington WA	1620 S Walnut St - 98233
Corporate Office	800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA	805 Orchard Dr Suite 4 - 98225
Microbiology	360.671.0688 • 360.671.1577fax

July 9, 2008

Page 1 of 1

Bob Bower
Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

RE: 08-07095 - Locker/Hall Wetland/HBBIC

Dear Bob Bower,

Your project: Locker/Hall Wetland/HBBIC, was received on Wednesday May 28, 2008.
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 me at 800 755-9295.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "L Henderson", is written over a horizontal line.

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody