

Prepared for Gardena Farms Irrigation District #13 and
Washington Department of Ecology
By
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Results of the 2008 Shallow Aquifer Recharge Season at the Locher Road Site, Walla Walla County, Washington

Prepared for

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And the

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By

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1.0 - INTRODUCTION

The Locher Road shallow aquifer recharge project (the Project) is one of several test projects in the Walla Walla Basin (the Basin) being done to evaluate shallow aquifer recharge (SAR) methods and effects. SAR is being explored by water resource stakeholders, in conjunction with other activities in the Basin, to help address water supply, stream flow, water table level, and habitat issues. Data collected from the Locher Road site (the Site) will be used to address these issues in the immediate area of the Site and contribute to basin-wide planning and water resource management efforts. It is anticipated that SAR activities at the Site will be carried out for several years, or SAR seasons.

This report summarizes the results of the 2008 SAR season, and presents recommendations for future SAR test activities at the Site. As such, this report does not present final conclusions relative to the project. Site location and basic layout are shown in Figures 1 and 2.

As the project progresses over the next several years, future project reports will build on the data and recommendations presented in this, previous, and subsequent reports. A description of the basic Site physical conditions and infrastructure used for the project can be found in previous reports (Kennedy/Jenks, 2006 and GSI, 2007). Kennedy/Jenks (2006) also describes background conditions interpreted for the Site prior to the start of SAR work in early 2007, Site physical conditions, and the regulatory constraints under which the work can be conducted. That information will not be repeated in this report.

The data and information described in this report was collected by GSI Water Solutions, Inc. (GSI) (formerly Groundwater Solutions, Inc.) under contract to Gardena Farms Irrigation District #13 (GFID). This report continues work previously completed by GSI scientists then working as employees of Kennedy/Jenks Consultants (Kennedy/Jenks, 2006) working under subcontract to HDR, Inc. The previous work, and the work described herein, was done using funding supplied by the Washington Department of Ecology (WADOE). The permit authority to operate the Site was granted by WADOE under a temporary water use authorization to GFID.

Topics and information presented in this report include the following:

- A timeline listing the major events associated with the 2008 SAR season.
- Site modifications and changes relative to the 2007 season.
- Rates and volumes of water delivered to the Site.
- Alluvial aquifer water levels and Mud Creek staff gauge measurements before, during, and after the 2008 season.
- Results of groundwater and surface water quality monitoring for the 2007 and 2008 SAR seasons.
- 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.

For the work described herein, the project team includes the following people:

- Stuart Durfee GFID Manager, project manager for this Project, and Site operator.
- Kevin Lindsey, Ph.D., L.H.G. GSI project manager and hydrogeologist.
- John Fazio, P.E. Fazio Engineering, project engineer, working under subcontract to GSI.
- Jon Travis GSI, technical support.
- Terry Tolan, L. H.G. GSI, technical review, hydrogeologist.
- Troy Baker WWBWC, water quality sampling

The work conducted for this project could not have been done without the cooperation of the Site landowner, Mrs. Patricia Case, the efforts of GFID staff, and the endorsement of the GFID Board of Directors. We thank these people for their support.

2.0 - 2008 TIMELINE

The Site, including turnouts, control gates, and water distribution was manually operated by the GFID personnel. GFID staff adjusted the flow into the Site as needed to prevent overtopping of the recharge basins and to meet the conditions and provisions of the temporary water use authorization. GFID staff recorded the time and date of specific actions in field notes, and provided those notes to GSI for use in the preparation of this report. Staff gauge readings also were periodically taken by GFID staff and recorded in project field notes.

Given the pilot nature of this project, the Site was operated to gain both experience and information on operations and to collect information and data to use in evaluating the possible effects of SAR on shallow alluvial aquifer groundwater. The primary actions associated with this involved changing the rate water was delivered to the Site (GFID staff primarily responsible) and collecting and evaluating monitoring data (GSI staff primarily responsible).

Below is a chronological list of basic project actions conducted for the 2008 season, beginning in January 2008.

 23 January 2008 – Basic water quality parameters collected for wells L-1, L-2 and L-3.

- 13 February 2008 Basic water quality parameters and SOC's collected for wells L-1, L-2 and L-3.
- 17 March 2008 Data on transducers found to be corrupted, restart logging at all locations. Data from water level monitoring during the summer months was lost; a problem caused by software incompatibility with transducers.
- 01 April 2008 GSI staff cleaned tumbleweeds out of ditches and basins.
 Between 01 and 15 April GFID brought in an excavation subcontractor to increase the size of the lower basin.
- 15 April 2008 Start of second SAR season. Started filling basins at 1115 hours with water being delivered at 0.68 cfs.
- 16 April 2008 Shutdown operations at 0810 hours to allow basins to drain so transducers can be installed in basins. Install transducer in lower basin at 1100 hours. Upper basin was still too full to install transducer. Resume test at 1215 hours running at 0.68 cfs.
- 18 April 2008 Increased flow onto the Site to 0.94 cfs at 0955 hours.
- 20 April 2008 Flow was reduced to 0.74 cfs at 0806 hours to lower the level in lower basin.
- 21 April 2008 Shutdown onto the Site at 0800 hours due to low flow in the Walla Walla.
- 37 April 2008 Basic water quality parameters and SOC's were collected for wells L-1, L-2, and L-3.
- 30 April 2008 Restart operations at 0900 hours with flow onto the Site of 0.68 cfs
- 02 May 2008 Increased flow rate to 0.74 cfs at 1540 hours.
- 15 May 2008 Shutdown operations at 0857 hours due to Walla Walla River flow at Beet Road exceeding 1000 cfs. Excavation work in the lower basin continued between 15 and 25 May.
- 25 May 2008 Resume operations at 1000 hours and with flow onto the Site of 0.68 cfs.
- 27 May 2008 Shutdown operations at 1017 hours to do excavating work on connecting trench. Resume operations at 1150 hours at flow rate of 2.99 cfs and then reduced flow to 2.03 cfs at 1500 hours.
- 28 May 2008 Flow reduced to 1.07 cfs to prevent lower basin from overflowing.
- 30 May 2008 Flow increased to 1.29 cfs.

 31 May 2008 – Flow at 1.14 cfs at 1003 hours and increased to 1.37 at 1022 hours to fill lower basin. Operations shut down for the end of the season at 2115 hours.

3.0 - ON-SITE WORK

Work done on-site for the 2008 SAR season focused primarily on increasing the size of the lower basin and deepening the connecting trench between the upper and lower basin. This work was done in two phases, one before the start of the 2008 SAR season and one between the second and third recharge events. In the first phase the lower basin was increased in size to about three times its original size, from approximately 8300 cubic feet to 24,000 cubic feet capacity. In the second phase the basin was increased in size to approximately four times its original size, to approximately 32,000 cubic feet capacity. Figures 3, 4, and 5 show some of the changes done at the Site for and during the 2008 SAR season.

4.0 - WATER VOLUME USED IN 2008 SAR SEASON

The volume of water delivered to the Site was measured at a flume constructed at the turn-out from Burlingame Canal. A staff gauge for manual readings and a digital transducer for electronic readings were installed in the flume. A conversion chart for the staff gauge (see GSI, 2007) was prepared that allowed the direct conversion of staff gauge readings, in feet, to flow in cfs. Direct staff gauge readings were recorded in field notebooks by GSI and GFID staff during each Site visit. The digital transducer data was collected hourly and subsequently converted to flow estimates using the equation:

 $Q = 10.18 \times h^{1.576}$

Where:

h = height of water above flume sill

Q = flow in cfs through flume

Approximately 46.7 acre-feet of water (Figure 6) was delivered to the Site during the 27 operating days of the 2008 season, for a total daily average of approximately 1.73 acrefeet/day. Instantaneous flow onto the Site ranged from approximately 0.5 to 1.0 cfs. The highest measured flow was approximately 3.3 cfs on 27 May 2008.

The 2008 season can be broken into three separate recharge events. Each event is separated by a hiatus in recharge due to either low or high flows in the Walla Walla River.

The first event occurred between 15 April 2008 and 21 April 2008. During the first event the average flow diverted to the Site through the flume was 0.9 cfs with a total volume of 10.49 acre-feet. Average daily recharge during the first event was approximately 1.75 acre-feet/day. On 21 April 2008 flow in the Walla Walla River was less than 360 cfs, making it too low to continue operations and SAR was stopped.

The second event occurred when Walla Walla River flow returned to acceptable levels

on 30 April 2008, allowing SAR activities to restart. The second event continued until 15 May 2008 when the flow rate in the Walla Walla River exceeded 1000 cfs and SAR was again stopped. During this event average flow diverted to the Site was 0.7 cfs with a total volume of 21.85 acre-feet and an average daily SAR rate of 1.46 acre-feet/day.

The third event occurred when Walla Walla River flow returned to acceptable levels on 25 May 2008 and SAR activities were restarted. The third event continued until the end of the SAR season on 31 May 2008. During this event average flow diverted to the site was 1.1 cfs with a total volume of 14.42 acre-feet and an average daily SAR rate of 2.4 acre-feet/day.

5.0 - WATER LEVELS IN THE SUPRABASALT SEDIMENT AQUIFER

As was done in the 2007 SAR season, water levels were tracked in on-site monitoring wells L-1, L-2, and L-3. In addition, WADOE staff provided data from a well owned by the agency (referred to in the remainder of this report as the WWGRVL well). Water level data from all four wells was collected using digital transducers.

Water level data collected for the 2008 SAR season from the four wells is summarized below and shown in Figure 7. Due to corruption of the data saved on the digital transducers, data collection for this season started on 21 February 2008 at L-1, 17 March 2008 at L-2, and 16 April 2008 at L-3. These problems were due to software incompatibility between the transducers and software changes.

The water level in well L-1 (up-gradient of the Site) generally increased in the two months prior to the start of testing, from a low of approximately 643.94 feet above mean sea level (amsl) on 25 February 2008, to a high of approximately 650.02 feet amsl on 01 June 2008 one day after recharge ended. After 01 June 2008, water levels began to decline. Water levels continued to decline throughout the summer of 2008. Water levels in L-1 began to rise a few hours after the beginning of delivery water to the basins and began to decline hours after the water was shut off. Each of the 3 events are readily discernable, with water level in the well during the second (longest event) being generally stable.

Water levels in well L-2 (down-gradient of the Site) exhibited less dramatic fluctuations than observed in either L-1 or L-3 (Figure 7). Water levels in well L-2 generally increased in the one month period prior to the start of testing. The lowest water level elevation, approximately 642.63 feet amsl on 17 March 2008, was one month prior to the start of the 2008 SAR season. It then rose to a high of approximately 646.50 feet amsl on 10 May 2008, 21 days before the test season ended.

Well L-3 is, like L-2, located down-gradient of the Site and it displayed water level changes similar to those seen in L-1 (Figure 7). Pre-season data is not available for well L-3 due to corrupt data. The transducer was installed the day testing began and immediately showed a response to testing, rising to a high of approximately 647.58 feet amsl on 31 May 2008, the last day of testing. The water level began to decline after shut down on 15 May 2008 reaching a low of 645.56 on 25 May 2008. The final water level elevation measured was higher than the water level measured at the start of the 2008 SAR season.

Well WWGRVL shows the same basic trends as wells L-1, L-2, and L-3 (Figure 7) for the first and second recharge events. Data was not available for the third recharge event of the 2008 season. Water levels in the three on-site monitoring wells and the WWGRVL well are interpreted to have responded to each recharge event during the 2008 season SAR activities. Water levels in wells began to rise within one to two days of the start of the SAR season. The up-gradient well L-1 and down-gradient well L-3 showed more changes in water level than the down-gradient well L-2. Water levels in all of the monitoring wells were higher after the SAR season than at the beginning.

Water level also was tracked in Mud Creek at two locations for the 2008 recharge season. The first location was at the culvert were Locher Road crosses the stream, and the second location was at the culvert where Frog Hollow Road crosses the stream. The Locher Road location is within a few hundred feet of the Site and essentially monitors stream levels at and up-gradient of the Site. The Frog Hollow Road site is approximately 2 miles northwest of, and down-gradient of, the Site and is used to monitor stream levels as they might potentially be influenced by Locher Road SAR. Figure 8 shows the depth of water at the two gauges as recorded by transducers. This data has not been converted to flow volume and is used to provide a general guide to estimate relative changes in stream flow before, during, and after the 2008 SAR season.

General observations with respect to this data are as follows. At Locher Road, stream depth (and probably flow) is decreasing during the period of the first two SAR events. In mid-May, stream depth begins to increase, a trend that continues for several weeks following the end of the 2008 SAR season. Because the water table at this location is several tens of feet below the stream channel bottom, these changes in potential flow are interpreted to be caused by factors unrelated to SAR at the site.

At Frog Hollow Road, stream depth (and probably flow) is more variable than at Locher Road. Depth is increasing before, during, and after the first event of the 2008 SAR season. During the second event, stream depth generally declines. This trend changes before the third event, with stream depth increasing before, during, and after the SAR event. The causes of these flow changes are not readily apparent, although since increasing and decreasing water depth trends start before corresponding SAR changes, it seems likely, although not certain, that stream depth changes at Frog Hollow Road are directly tied to Locher Road SAR.

6.0 - WATER QUALITY

This section summarizes the results of water quality sampling and analysis done during the 2008 SAR season. Water quality samples were collected from the three site monitoring wells (L-1, L-2, and L-3), Burlingame Canal at the turn out to the Site, and Mud Creek at Locher Road and at State Line Road.

6.1 Field and Basic Water Quality

Water quality data for the 2008 SAR season and 2007 SAR season are listed in Table 1 and summarized in this section. Complete laboratory results, including laboratory QA records, are reproduced in Appendix B. The water quality parameters reported on herein are pH, temperature, electrical conductivity, turbidity, nitrate-nitrogen, total dissolved solids, chloride, soluble reactive phosphorus, chemical oxygen demand, total

coliform, and E-coli.

For this summary each parameter noted above is reviewed individually, with the review focusing on how measured concentrations varied between the 2007 and 2008 SAR seasons. It should be noted, prior to continuing with this review of water quality, that several problems encountered during the SAR season are manifest in the data. Preseason surface water sampling was not done because water was not flowing in the Burlingame Canal on scheduled sampling events. Temperature data was not reported because of problems with field equipment. Early sampling in the beginning of the season (late April) was not done because start days were continually postponed due to low Walla Walla River flows.

General observations with respect to basic and field water quality during the 2008 SAR season are summarized below:

- Pre-season field pH for source water was not measured because the canal was
 dry during the sampling events. Pre-season pH in all groundwater sampled
 ranged from 7.07 to 7.15. During the 2008 SAR season source water and
 groundwater pH was at, or below, pH measured during the 2007 SAR season
 (<7.5).
- Electrical conductivity (EC) in pre-season groundwater, both up- and downgradient, was between 150 and 400 micro Siemens' per centimeter (mS/cm).
 During the 2008 SAR season EC in source water and groundwater generally was at, or near, values measured during the 2007 season.
- Nitrate-N in source water and groundwater before, during, and after the 2008 SAR season was highly variable, ranging from <1 mg/L to almost 6 mg/L.
- Total dissolved solids (TDS) concentration in source water was <65 mg/L. TDS in all three wells was at, or slightly higher than, concentrations measured during the 2007 season.
- Chloride concentration in source water and all three monitoring wells generally was less than 7 mg/L for the 2008 SAR season.
- Soluble reactive phosphorus (SRP) concentrations in source water and groundwater was generally higher during the 2007 season.

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 suggest surface water and groundwater, throughout the vicinity of the Site, display 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 at the Site did not significantly impact groundwater quality to any degree different than is occurring as a result of normal canal leakage.

6.2 SOC Water Quality

Water samples were analyzed for a variety of synthetic organic compounds (SOC) and related chemicals. Analytical results are presented in Table 2 and are summarized as follows:

- One SOC detection was recorded for bromacil in pre-season up-gradient groundwater.
- Several herbicides were found in Mud Creek, but not in Site groundwater or source water (the Burlingame Canal).

The SOC data is interpreted to indicate that those compounds analyzed for are rarely, if ever, present in groundwater and at very small concentrations. Inconsistent occurrence, both temporally and spatially, and low concentrations suggest these detections represent intermittent background conditions and that the Site SAR testing has an extremely low, to no, potential to contribute to the presence of these compounds in groundwater.

7.0 - COMPARISONS BETWEEN 2007 and 2008 SAR SEASONS

This section presents a preliminary qualitative comparison between data collected and observations made during the 2007 SAR season and the recently completed, 2008 season. In particular:

- The 2008 SAR season was longer than the 2007 season, although similar to the 2007 season it was periodically interrupted because of flow conditions in the Walla Walla River.
- During the 2007 season the recharging capacity of the Site was approximately 1 acre-foot/day. For the 2008 season following the expansion of the lower basin late in the season, average daily infiltration rates increased to approximately 2.4 acre-feet/day.
- Water levels in down-gradient wells L-1 and L-3 rose 1.5 to 2.0 feet during the 2008 season. This appears to have been slightly less than the water level rises of up to 2 feet seen in the 2007 season. Water levels observed in L-1 also appear to have been slightly lower than those seen in the 2007 season. In the WWGRYL well water level change also appears to have been slightly lower in 2008 than in 2007.
- Field, basic water, and SOC quality constituents for source water and groundwater during the 2008 SAR season appear to be similar to the 2007 season. There were concentration fluctuations in basic and field parameters constituents, but no significant changes readily attributed to Site SAR activities.

8.0 - SUMMARY AND RECOMMENDATIONS

8.1 Summary

This report presents the results of the 2008 SAR season at the Site and very preliminary interpretations of some of the data collected to-date. 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 Site is permitted under a temporary seasonal permit granted by the WADOE. This permit authorizes SAR activity for a single season and specifies operating and monitoring conditions.

The 2008 SAR season began on 15 April 2008 and ending on 31 May 2008. Because of minimum flow requirements on the Walla Walla River, SAR activities in the period were broken into 3 separate events. A total of approximately 46.7 acre-feet of water was recharged to the suprabasalt aquifer during the 27 operational days of the 2008 SAR season.

The suprabasalt sediment aquifer beneath the Site did respond to SAR activities, rising, and falling as the recharge rate increased and decreased. It is not known exactly how far the water table response to 2008 SAR season activities extends beyond the Site. Following the end of the SAR season, water levels began to fall within 1 to 2 days of the end of operations.

Based on the field and basic water quality parameters measured to-date, SAR activities at the Site are interpreted to have not degraded groundwater quality in the area. This data does suggest a high degree of hydraulic continuity between local surface and groundwater. A few SOC's have been detected intermittently. However, the timing of these detections suggests that they were not caused by SAR operations and the measured concentrations represent background concentrations related to off-site activities.

8.2 Recommendations

Based on the results of the 2008 SAR season described in this report, there are several recommendations for changes to Site operation and testing for the 2008/2009 SAR season. These include:

- Conduct one or more infiltration test in the lower Basin to better constrain on-site infiltration rates and aquifer response to SAR.
- Conduct an aquifer test in a proposed new, purpose-built test well, and use this
 data to further constrain aquifer properties and SAR impact on the aquifer in the
 project area.
- Over the past few years the WWBWC, working cooperatively with WADOE, has installed several groundwater monitoring wells in the vicinity of the Site. Data from these wells, and several more in the Site area that could be constructed early in 2009, should be incorporated into Locher Road SAR project for the 2008/2009 SAR season.

 The 2008/2009 SAR season report should provide a comprehensive review of all Locher Road activities, from the inception of the project up to the summer of 2009.

9.0 - REFERENCES CITED

Kennedy/Jenks, 2005, Proposed monitoring and test plan, Locher Road SAR Test Site, Walla Walla County, Washington, Revision 3. Consultants report prepared for EES/HDR, 21 pgs, 1 table, 2 figures.

GSI, 2007, Results of the first season of shallow aquifer SAR testing at the Locher Road Site, Walla Walla County, Washington. Consultants report prepared for Gardena Farms Irrigation District #13 and Washington Department of Ecology, 23 pgs, 5 tables, 17 figures, 5 Appendices.

Figures

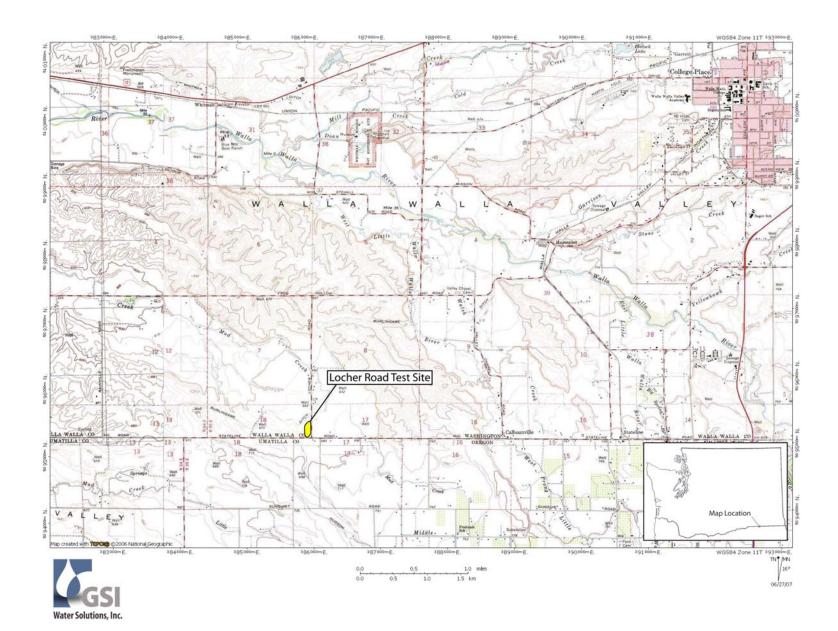


Figure 1. Area and regional setting.

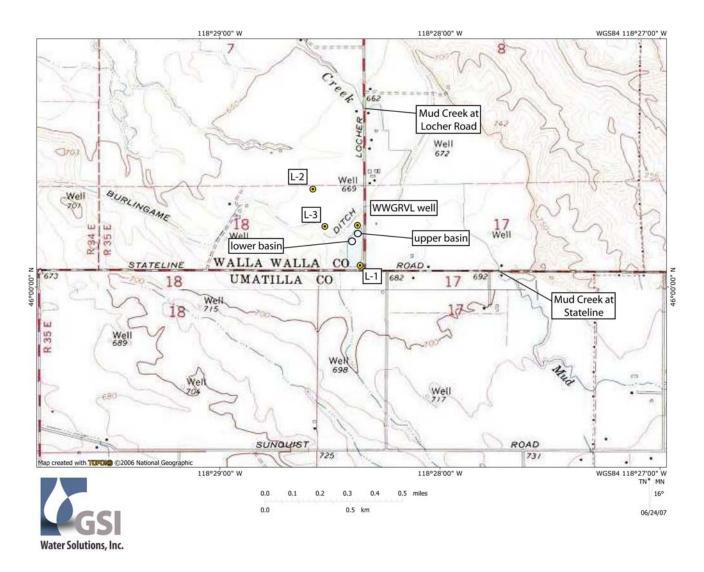


Figure 2. Local setting, site location, and layout.

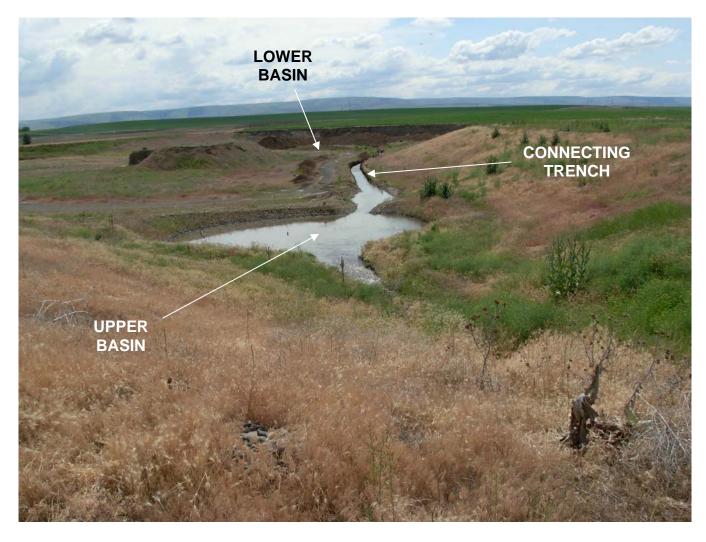


Figure 3. Photograph of the Site looking past the upper basin towards the lower basin along the connecting trench which was deepened for the 2008 recharge season.

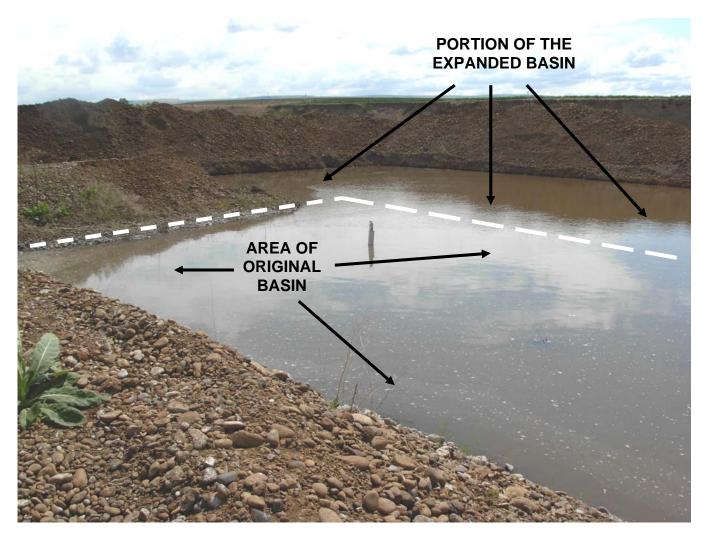


Figure 4. Photograph of the lower basin taken from near where the connecting trench enters it (to the right of the photo). Photograph shows a portion of the expanded basin.

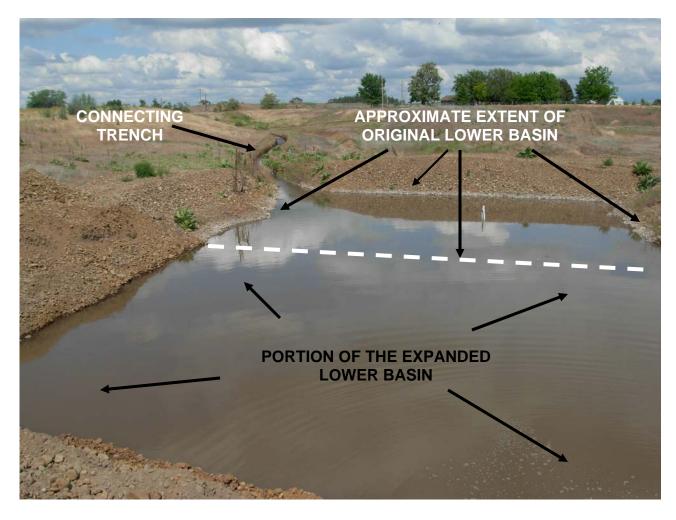


Figure 5. Photograph of the lower basin looking up the deepened connecting trench towards the upper basin. Photograph shows the basic extent of the original lower basin, and much of the expansion.

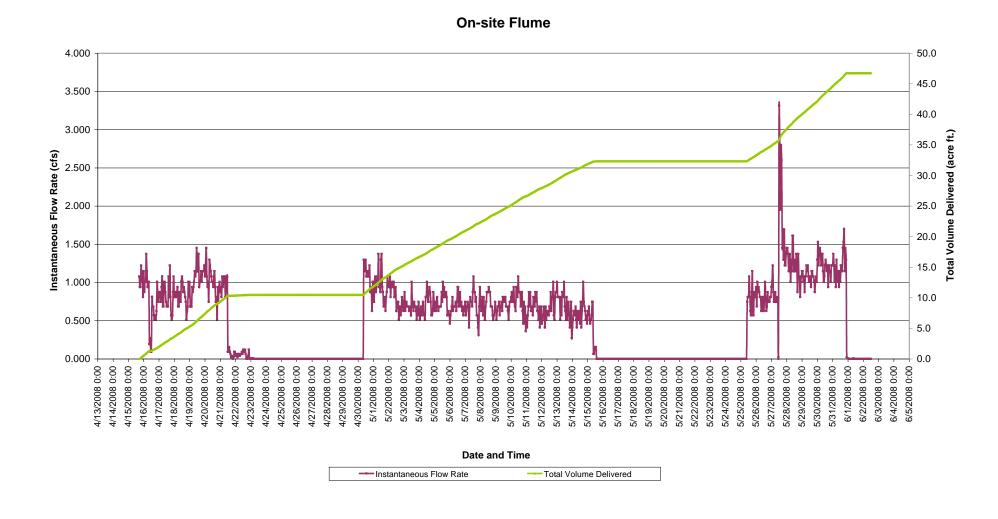


Figure 6. Instantaneous and total flow into the Locher Road Site during the 2008 SAR season.

Locher Road SAR

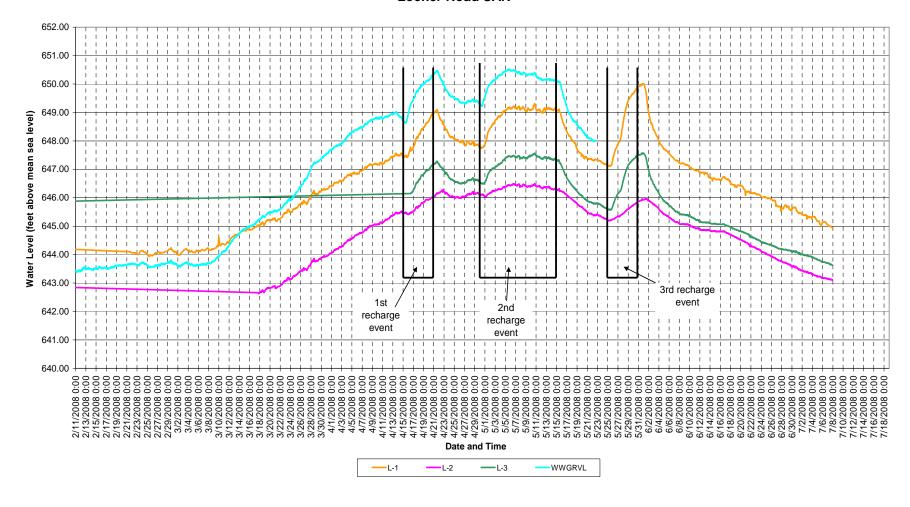


Figure 7. Water levels in Locher Road SAR Site wells before, during, and after the 2008 SAR season.

Locher Road Surface Water

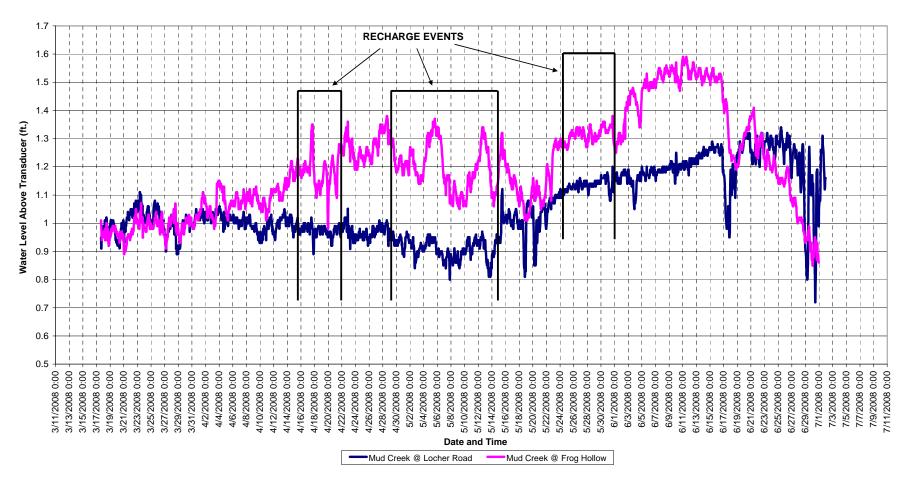


Figure 8. Pressure transducer measurements showing water levels in Mud Creek at the two monitoring locations.

Tables

MDL>							0.21	0.11	21.1	0.297	0.043	8.0		
											Soluble			
					Electrical	To only is ality o	NO N	Handmaaa			Reactive		Total Californ	E-Coli (per
Sample ID	Date	Lab No.	рН	Temp. C	Conductivity (mS/cm)	Turbidity (NTU)	NO₃-N (mg/L)	Hardness (mg/L)	TDS (mg/L)	CI (mg/L)	Phosphorous (mg/L)	COD (mg/L	Total Coliform) (per 100ml)	100ml or Absent/Present)
L-1	10/12/2006	85232	рп	Temp. 0	(IIIO/CIII)	(1110)	6.23	205.00	262.0	7.800	0.100	< 8.0	(per room)	0
L-1	1/15/2007	86451	6.77	12.8	432	0.15	6.50	202.00	238.0	1.200	0.120	< 8.0	0	
L-1	4/4/2007	87538	7.24	13.8	401	0.13	5.68	217.00	253.0	5.000 <		< 8.0	0	0
L-1	4/12/2007	87725	7.25	13.5	393	1.92	5.19	213.00	248.0	6.500	0.090	< 8.0	0	0
L-1	4/23/2007	87918	7.17	13.9	428	0.42	4.20	624.00	247.0	7.500	0.130	< 8.0	0	0
L-1	1/23/2007	2123	7.17	10.5	388	48.6	5.28	135.00	235.0	5.800	0.360	< 8.0	0	Absent
L-1	2/13/2008	4099	7.13		384	44.4	5.55	154.00	236.0	5.600	0.360	< 8.0	0	Absent
L-1	5/27/2008	15124	7.13		401	0.79	5.86	156.00	262.0	6.700	0.270	< 8.0		Abscrit
L-2	10/12/2006	85233	'		701	0.70	3.27	132.00	184.0	6.400	0.140	< 8.0		0
L-2	1/15/2007	86452	7.05	11.9	281	0.67	3.63	117.00	154.0	0.800	0.130	< 4.0	0	<u> </u>
L-2 L-2	4/4/2007	87539	7.03	13.0	284	0.39	4.12	145.00	190.0	5.500 <		< 8.0	0	0
L-2 L-2	4/12/2007	87726	7.19	13.0	284	0.65	3.62	148.00	148.0	0.297	0.043	< 8.0	0	0
L-2	4/23/2007	87919	7.17	13.2	288	0.64	1.34	134.00	180.0	4.500	0.140	< 8.0	0	0
L-2	1/23/2007	2124	7.17	13.2	287	8.06	3.47	103.00	181.0	5.600	0.330	< 8.0	0	Present
L-2	2/13/2008	4100	7.07		284	8.65	3.50	111.70	196.0	5.500	0.330	< 8.0	0	Present
L-2	5/27/2008	15126	6.93		313	7.13	5.96	117.00	205.0	6.500	0.270	10.0	0	i ieseiit
L-3	10/12/2006	13120	0.33		313	7.10	0.30	117.00	200.0	0.500	0.270	10.0		
L-3	1/15/2007	86453	6.88	10.1	202	25.00	2.86	83.40	118.0	< 0.297	0.130	< 8.0	0	
L-3	4/4/2007	87540	7.47	9.6	104	25.00	0.81	54.50	92.5				0	0
L-3 L-3	4/12/2007	87727	7.47	9.6	126	2.57	0.90	61.80	92.5	48.500 < < 0.297	0.043		U P	0
L-3	4/23/2007	87920	7.35	9.4	135	1.97	0.47	54.70	86.7		0.100		F0	0
L-3	1/23/2008	2125	7.14	9.0	187	13.90	2.86	61.90	124.0	< 0.297 3.200	0.300	< 8.0 18.0	0	Present
L-3	2/13/2008	4101	7.14		197	29.40	4.51	75.30	148.0	5.500	0.320	< 8.8	0	Present
L-3	5/27/2008	15127	6.98		129	7.48	2.11	45.70	98.0	1.800	0.320	16.0	U	FIESEIIL
Mud Ck - L	10/12/2006	13121	0.90		129	7.40	2.11	45.70	90.0	1.000	0.220	10.0		
Mud Ck - L	1/15/2007	86454	6.21	1.8	262	1.20	2.18	112.00	144.0	2.000	0.060	< 8.0	0	
Mud Ck - L	4/4/2007	87542		11.2	242	1.39		132.00					U	
Mud Ck - L	4/12/2007	87542 87729	8.05 7.70	9.6	173	3.48 1.49	1.30 0.40	95.00	158.0 118.0		0.043 0.100	< 8.0 8.0	<u>Р</u>	<u>Р</u>
Mud Ck - L	4/23/2007	87922	8.01	15.3	181	1.49		83.10	117.0		0.060		<u>г</u> Р	<u>г</u> Р
Mud Ck - L	5/27/2008	15129	7.24	13.3	162	4.95	< 0.21 0.57	65.00	117.0	< 0.297 2.900	0.180	< 8.0 11.0	<u> </u>	r
		13128	1.24		102	4.30	0.01	03.00	112.0	2.300	0.100	11.0		
Mud Ck - SL	10/12/2006	06455	6.12	2.0	260	2.56	0.47	112.00	146.0	0.000	0.050	0.0		
Mud Ck SL	1/15/2007	86455	6.13	2.8	268	3.56	2.17	113.00	146.0	0.800	0.050	9.0	0 P	
Mud Ck - SL Mud Ck - SL	4/4/2007	87541	8.28	12.6	248	1.81	1.39	130.00	165.0	11.000 <		< 8.0	<u> </u>	
	4/12/2007	87728	7.89	10.9	175	1.89	0.52	95.50	123.0	0.700	0.040	9.0	P P	<u>Р</u>
Mud Ck - SL	4/23/2007	87921	8.16	16.5	180	1.89	0.47	82.40	113.0	5.000	0.080	10.0	Ρ	<u> </u>
Mud Ck - SL	5/27/2008	15130	7.50	0.4	298	4.11	0.87	112.00	188.0	4.600	0.240	21.0	Λ	Δ.
diversion	4/4/2007	87543	8.02	9.4	95	6.28	0.38	45.20	95.0	40.000 <		< 8.0	A	A
diversion	4/12/2007	87730	7.77	8.0	90	4.27	0.12	44.10	65.0	2.200	0.080	12.0	<u>P</u>	P
diversion	4/23/2007	87923	8.17	12.7	94.0	6.39	4.21	31.40	73.3	39.000 <		< 8.0	P	P
diversion	5/27/2008	15128	7.27		50	17.60	0.11	18.70	54.0	0.600	0.120	19.0		

Table 1. Field and Basic Water Quality Results for the 2007 and 2008 Recharge Seasons.

Date	1/15/2007	1/15/2007	1/15/2007	4/4/2007	4/4/2007	4/4/2007
Well ID	L-1	L-2	L-3	Diversion	L-1	L-2
Chemical						
Carbamates in Drinking water						
Carbofuran	ND	ND	ND	ND	ND	ND
Oxymal	ND	ND	ND	ND	ND	ND
3-Hydroxycabofuran	ND	ND	ND	ND	ND	ND
Aldicarb	ND	ND	ND	ND	ND	ND
Aldicarb sulfone	ND	ND	ND	ND	ND	ND
Aldicarb sulfoxide	ND	ND	ND	ND	ND	ND
Carbaryl	ND	ND	ND	ND	ND	ND
Methomyl	ND	ND	ND	ND	ND	ND
Propoxur (Baygon)	ND	ND	ND	ND	ND	ND
Methiocarb	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds						
Endrin	ND	ND	ND	ND	ND	ND
Lindane (BHC-Gamma)	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND
Alachlor	ND	ND	ND	ND	ND	ND
Atrazine	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Chlordane Technical	ND	ND	ND	ND	ND	ND
Di(ethylhexyl)-Adipate	ND	ND	ND	ND	ND	ND
Di(ethylhexyl)-phthalate	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide A&B	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorocyclo-Pentadiene	ND	ND	ND	ND	ND	ND
Simazine	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND
Butachlor	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND
Metolachlor	ND	ND	ND	ND	ND	ND
Metribuzin	ND	ND	ND	ND	ND	ND
Propachlor	ND	ND	ND	ND	ND	ND
Bromacil	0.74	ND	ND	ND	0.2	ND
Prometon	ND	ND	ND	ND	ND	ND
Terbacil	ND	ND	ND	ND	ND	ND
Diazinon	ND	ND	ND	ND	ND	ND
EPTC	ND	ND	ND	ND	ND	ND
4,4-DDD	ND	ND	ND	ND	ND	ND
4,4-DDE	ND	ND	ND	ND	ND	ND
4,4-DDT	ND	ND	ND	ND	ND	ND
Cyanazine	ND	ND	ND	ND	ND	ND
Malathion	ND	ND	ND	ND	0.4	0.5
Trifluralin	ND	ND	ND	ND	ND	ND

Neal ID	Date	1/15/2007	1/15/2007	1/15/2007	4/4/2007	4/4/2007	4/4/2007
Napthalene	Well ID	L-1	L-2	L-3	Diversion	L-1	L-2
Fluorene	Chemical						
Acenaphthylene	Napthalene	ND	ND	ND	ND	ND	ND
Acenaphthene	Fluorene	ND	ND	ND	ND	ND	ND
Anthracene	Acenaphthylene	ND	ND	ND	ND	ND	ND
Benz(A)anthracene	Acenaphthene	ND	ND	ND	ND	ND	ND
Benzo(B)fluoranthene	Anthracene	ND	ND	ND	ND	ND	ND
Benzo(G,H,I)peryene	Benz(A)anthracene	ND	ND	ND	ND	ND	ND
Benzo(K)fluoranthene	Benzo(B)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene ND <	Benzo(G,H,I)peryene	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene ND ND<	Benzo(K)fluoranthene	ND	ND	ND	ND	ND	ND
Fluoranthene	Chrysene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	Dibenzo(A,H)anthracene	ND	ND	ND	ND	ND	ND
Phenanthrene		ND	ND	ND	ND	ND	ND
Phenanthrene	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate		ND	ND	ND			
Di-N-Butyl Phthalate 0.95 ND ND ND 0.7 0.7 Diethyl Phthalate ND	Pyrene	ND	ND	ND	ND	ND	ND
Diethyl Phthalate ND ND ND ND ND Dimethyl Phthalate ND ND ND ND ND ND Toxaphene ND ND ND ND ND ND ND Aroclor 1221 ND ND ND ND ND ND ND Aroclor 1232 ND ND ND ND ND ND ND ND Aroclor 1242 ND	Benzyl Butyl Phthalate	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate	Di-N-Butyl Phthalate	0.95	ND	ND	ND	0.7	0.7
Toxaphene	Diethyl Phthalate	ND	ND	ND	ND	ND	ND
Aroclor 1221 ND	Dimethyl Phthalate	ND	ND	ND	ND	ND	ND
Aroclor 1232 ND ND ND ND ND ND ND	Toxaphene	ND	ND	ND	ND	ND	ND
Aroclor 1242 ND	Aroclor 1221	ND	ND	ND	ND	ND	ND
Aroclor 1248 ND	Aroclor 1232	ND	ND	ND	ND	ND	ND
Aroclor 1254 ND	Aroclor 1242	ND	ND	ND	ND	ND	ND
Aroclor 1260 ND	Aroclor 1248	ND	ND	ND	ND	ND	ND
Aroclor 1016 ND	Aroclor 1254	ND	ND	ND	ND	ND	ND
Perbicides in Drinking Water	Aroclor 1260	ND	ND	ND	ND	ND	ND
2,4-D ND ND ND 2,4,5-TP (Silvex) ND ND <td>Aroclor 1016</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td>	Aroclor 1016	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex) ND	Herbicides in Drinking Water						
Pentachlorophenol ND	•	ND	ND	ND			
Dalapon ND ND <t< td=""><td> ,</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>	,	ND	ND	ND	ND	ND	ND
Dinoseb ND ND <t< td=""><td>Pentachlorophenol</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>	Pentachlorophenol	ND	ND	ND	ND	ND	ND
Picloram ND <	Dalapon	ND	ND	ND	ND	ND	ND
Dicamba ND ND <t< td=""><td>Dinoseb</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>	Dinoseb	ND	ND	ND	ND	ND	ND
2,4 DB ND ND ND ND ND ND 2,4,5 T ND	Picloram	ND	ND	ND	ND	ND	ND
2,4,5 T ND ND <t< td=""><td>Dicamba</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>	Dicamba	ND	ND	ND	ND	ND	ND
Bentazon ND <	2,4 DB	ND	ND	ND	ND	ND	ND
Dichlorprop ND	2,4,5 T	ND	ND	ND	ND	ND	ND
Actiflorfin ND	Bentazon	ND	ND	ND	ND	ND	ND
Dacthal (DCPA) ND ND ND 0.21 ND ND	Dichlorprop	ND	ND	ND	ND	ND	ND
	Actiflorfin	ND	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic Acid ND ND ND ND ND ND	Dacthal (DCPA)	ND	ND	ND	0.21	ND	ND
	3,5-Dichlorobenzoic Acid	ND	ND	ND	ND	ND	ND

Date	4/4/2007	2/13/2008	2/13/2008	2/13/2008	5/27/2008	5/27/2008
Well ID	L-3	L-1	L-2	L-3	Diversion	L-1
Chemical						
Carbamates in Drinking water						
Carbofuran	ND	ND	ND	ND	ND	ND
Oxymal	ND	ND	ND	ND	ND	ND
3-Hydroxycabofuran	ND	ND	ND	ND	ND	ND
Aldicarb	ND	ND	ND	ND	ND	ND
Aldicarb sulfone	ND	ND	ND	ND	ND	ND
Aldicarb sulfoxide	ND	ND	ND	ND	ND	ND
Carbaryl	ND	ND	ND	ND	ND	ND
Methomyl	ND	ND	ND	ND	ND	ND
Propoxur (Baygon)	ND	ND	ND	ND	ND	ND
Methiocarb	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds						
Endrin	ND	ND	ND	ND	ND	ND
Lindane (BHC-Gamma)	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND
Alachlor	ND	ND	ND	ND	ND	ND
Atrazine	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Chlordane Technical	ND	ND	ND	ND	ND	ND
Di(ethylhexyl)-Adipate	ND	ND	ND	ND	ND	ND
Di(ethylhexyl)-phthalate	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide A&B	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorocyclo-Pentadiene	ND	ND	ND	ND	ND	ND
Simazine	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND
Butachlor	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND
Metolachlor	ND	ND	ND	ND	ND	ND
Metribuzin	ND	ND	ND	ND	ND	ND
Propachlor	ND	ND	ND	ND	ND	ND
Bromacil	ND	0.32	ND	ND	ND	ND
Prometon	ND	ND	ND	ND	ND	ND
Terbacil	ND	ND	ND	ND	ND	ND
Diazinon	ND ND	ND	ND	ND	ND	ND
EPTC	ND ND	ND	ND	ND	ND	ND
4,4-DDD	ND ND	ND	ND	ND	ND	ND
4,4-DDE	ND ND	ND	ND	ND	ND	ND
4,4-DDT	ND ND	ND	ND	ND	ND	ND
Cyanazine	ND ND	ND	ND	ND	ND	ND
Malathion	0.3	ND	ND	ND	ND	ND
Trifluralin	ND	ND	ND	ND	ND	ND

Date	4/4/2007	2/13/2008	2/13/2008	2/13/2008	5/27/2008	5/27/2008
Well ID	L-3	L-1	L-2	L-3	Diversion	L-1
Chemical						
Napthalene	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Benz(A)anthracene	ND	ND	ND	ND	ND	ND
Benzo(B)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(G,H,I)peryene	ND	ND	ND	ND	ND	ND
Benzo(K)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND	ND	ND
Phenanthrene		ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate	ND	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate	0.5	ND	ND	ND	ND	ND
Diethyl Phthalate	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND
Aroclor 1016	ND	ND	ND	ND	ND	ND
erbicides in Drinking Water						
2,4-D		ND	ND	ND		
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Dalapon	ND	ND	ND	ND	ND	ND
Dinoseb	ND	ND	ND	ND	ND	ND
Picloram	ND	ND	ND	ND	ND	ND
Dicamba	ND	ND	ND	ND	ND	ND
2,4 DB	ND	ND	ND	ND	ND	ND
2,4,5 T	ND	ND	ND	ND	ND	ND ND
Bentazon	ND	ND	ND	ND	ND	ND
Dichlorprop	ND	ND	ND	ND	ND	ND
Actiflorfin	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Dacthal (DCPA)	ND ND	ND ND	ND ND	ND ND	0.2	ND
3,5-Dichlorobenzoic Acid	ND ND	ND ND	ND ND	ND ND	ND	ND ND

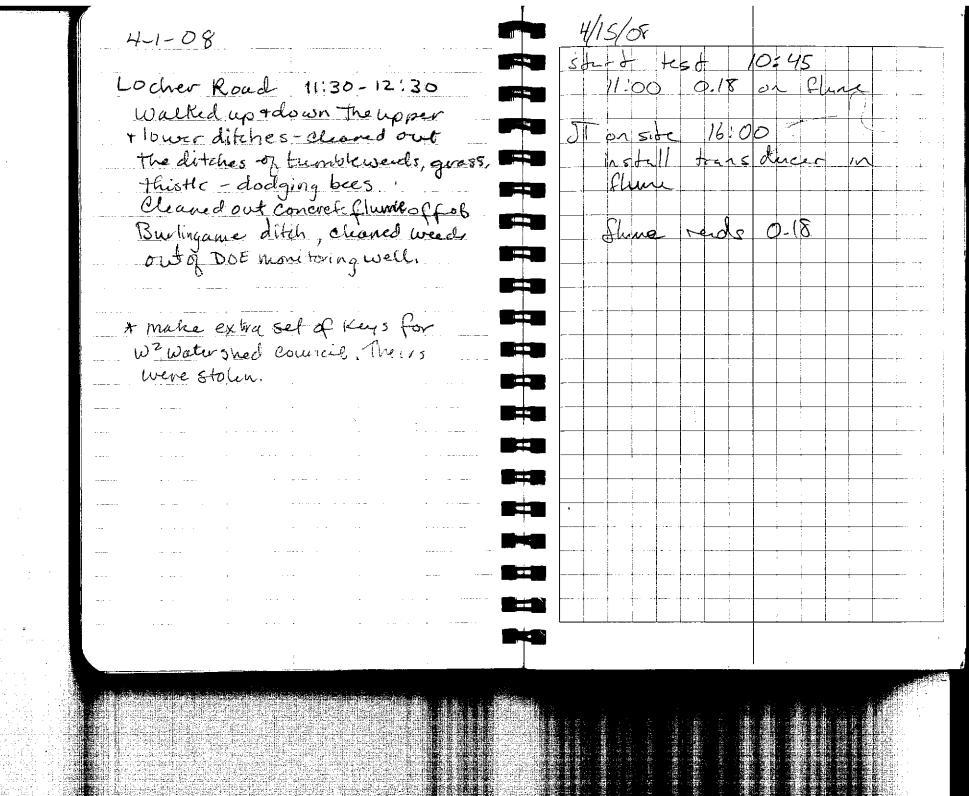
Date	5/27/2008	5/27/2008	5/27/2008	5/27/2008
Well ID	L-2	L-3	MC-L	MC-SL
Chemical				
Carbamates in Drinking water				
Carbofuran	ND	ND	ND	ND
Oxymal	ND	ND	ND	ND
3-Hydroxycabofuran	ND	ND	ND	ND
Aldicarb	ND	ND	ND	ND
Aldicarb sulfone	ND	ND	ND	ND
Aldicarb sulfoxide	ND	ND	ND	ND
Carbaryl	ND	ND	ND	ND
Methomyl	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

Well ID	Date	5/27/2008	5/27/2008	5/27/2008	5/27/2008
Napthalene		L-2	L-3	MC-L	MC-SL
Fluorene	Chemical				
Fluorene	Napthalene	ND	ND	ND	ND
Acenaphthene		ND	ND	ND	ND
Anthracene ND ND ND ND Benz(A)anthracene ND ND ND ND Benzo(B)fluoranthene ND ND ND ND Benzo(K)fluoranthene ND ND ND ND Benzo(K)fluoranthene ND ND ND ND Chrysene ND ND ND ND Dibenzo(A,H)anthracene ND ND ND ND Dibenzo(A,H)anthracene ND ND ND ND Pluoranthene ND ND ND ND Indeno(1,2,3-CD)pyrene ND ND ND ND <t< td=""><td>Acenaphthylene</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>	Acenaphthylene	ND	ND	ND	ND
Benz(A)anthracene ND ND ND ND Benzo(B)fluoranthene ND ND ND ND ND Benzo(K)fluoranthene ND ND ND ND ND ND Benzo(K)fluoranthene ND <	Acenaphthene	ND	ND	ND	ND
Benzo(B)fluoranthene ND ND ND ND	Anthracene	ND	ND	ND	ND
Benzo(G,H,I)peryene	Benz(A)anthracene	ND	ND	ND	ND
Benzo(K)fluoranthene	Benzo(B)fluoranthene	ND	ND	ND	ND
Chrysene ND ND ND ND Dibenzo(A,H)anthracene ND ND ND ND ND Fluoranthene ND ND ND ND ND ND Indeno(1,2,3-CD)pyrene ND	Benzo(G,H,I)peryene	ND	ND	ND	ND
Dibenzo(A,H)anthracene ND ND ND ND Fluoranthene ND ND ND ND ND Indeno(1,2,3-CD)pyrene ND ND ND ND ND Phenanthrene ND ND ND ND ND ND Pyrene ND ND<	Benzo(K)fluoranthene	ND	ND	ND	ND
Fluoranthene	Chrysene	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	Dibenzo(A,H)anthracene	ND	ND	ND	ND
Phenanthrene	Fluoranthene	ND	ND	ND	ND
Phenanthrene	Indeno(1,2,3-CD)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 2,4,5-TP (Silvex) ND ND ND ND ND ND ND ND ND ND Pentachlorophenol ND ND ND ND ND Dinoseb ND ND ND ND <t< td=""><td>Pyrene</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>	Pyrene	ND	ND	ND	ND
Diethyl Phthalate	Benzyl Butyl Phthalate	ND	ND	ND	ND
Dimethyl Phthalate	Di-N-Butyl Phthalate	ND	ND	ND	ND
Toxaphene	Diethyl Phthalate	ND	ND	ND	ND
Aroclor 1221	Dimethyl Phthalate	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 ND ND ND ND 2,4-D ND ND ND ND ND Pentachlorophenol ND ND ND ND ND Dalapon ND ND ND ND ND ND Dinoseb ND ND ND ND ND ND ND Picloram ND ND ND ND ND ND ND Dicamba ND	Toxaphene	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 ND ND ND ND ND Aroclor 1016 ND ND ND ND Herbicides in Drinking Water ND ND ND ND 2,4-D ND ND ND ND ND Pentachlorophenol ND ND ND ND ND ND Dalapon ND	Aroclor 1221	ND	ND	ND	ND
Aroclor 1248	Aroclor 1232	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 2,4-D ND ND ND ND ND Pentachlorophenol 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 Dicamba ND ND ND ND Dalapon ND ND ND ND	Aroclor 1242	ND	ND	ND	ND
Aroclor 1260 ND ND ND ND Aroclor 1016 ND ND ND ND Herbicides in Drinking Water 2,4-D 2,4-D 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 Actiflorfin ND ND ND 0.4 0.2	Aroclor 1248	ND	ND	ND	ND
Aroclor 1016 ND ND ND ND Herbicides in Drinking Water 2,4-D 2,4-D 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 Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Aroclor 1254	ND	ND	ND	ND
Perbicides in Drinking Water 2,4-D 2,4,5-TP (Silvex) ND ND ND ND ND ND ND N	Aroclor 1260	ND	ND	ND	ND
2,4-D 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 ND 2,4 DB ND ND ND ND ND 2,4,5 T ND ND ND ND ND Bentazon ND ND ND ND ND Dichlorprop ND ND ND ND ND Actiflorfin ND ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Aroclor 1016	ND	ND	ND	ND
2,4,5-TP (Silvex) ND ND ND ND ND Pentachlorophenol ND ND ND ND ND ND Dalapon ND ND ND ND ND ND ND Dinoseb ND ND <td>Herbicides in Drinking Water</td> <td></td> <td></td> <td></td> <td></td>	Herbicides in Drinking Water				
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 Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	2,4-D				
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 Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2		ND	ND	ND	ND
Dinoseb ND ND ND ND Picloram ND ND ND ND Dicamba ND ND ND ND 0.18 2,4 DB ND ND ND ND ND 2,4,5 T ND ND ND ND ND Bentazon ND ND ND ND ND Dichlorprop ND ND ND ND ND Actiflorfin ND ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Pentachlorophenol	ND	ND	ND	ND
Picloram ND ND ND ND Dicamba ND ND ND 0.18 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 Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Dalapon	ND	ND	ND	ND
Dicamba ND ND ND 0.18 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 Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Dinoseb	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 Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Picloram	ND	ND	ND	ND
2,4,5 T ND ND ND ND Bentazon ND ND ND ND Dichlorprop ND ND ND ND Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Dicamba	ND	ND	ND	0.18
Bentazon ND ND ND ND Dichlorprop ND ND ND ND Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	2,4 DB	ND	ND	ND	ND
Dichlorprop ND ND ND ND Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	2,4,5 T	ND	ND	ND	ND
Actiflorfin ND ND ND ND Dacthal (DCPA) ND ND 0.4 0.2	Bentazon	ND	ND	ND	ND
Dacthal (DCPA) ND ND 0.4 0.2	Dichlorprop	ND	ND	ND	ND
	Actiflorfin	ND	ND	ND	ND
3,5-Dichlorobenzoic Acid ND ND ND ND	Dacthal (DCPA)	ND	ND	0.4	0.2
	3,5-Dichlorobenzoic Acid	ND	ND	ND	ND

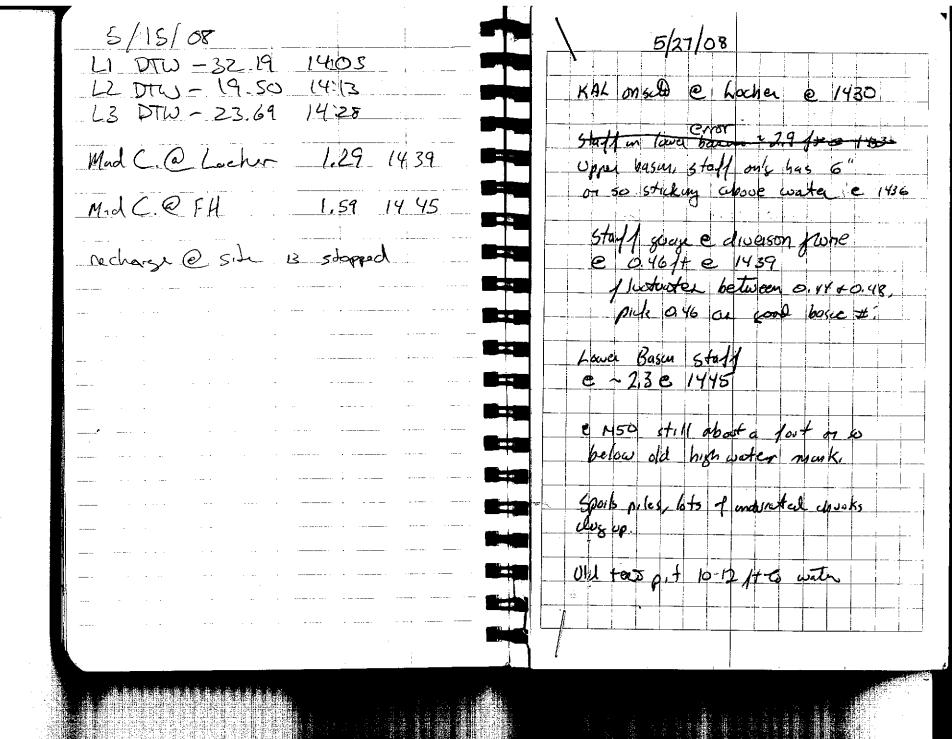
Appendices

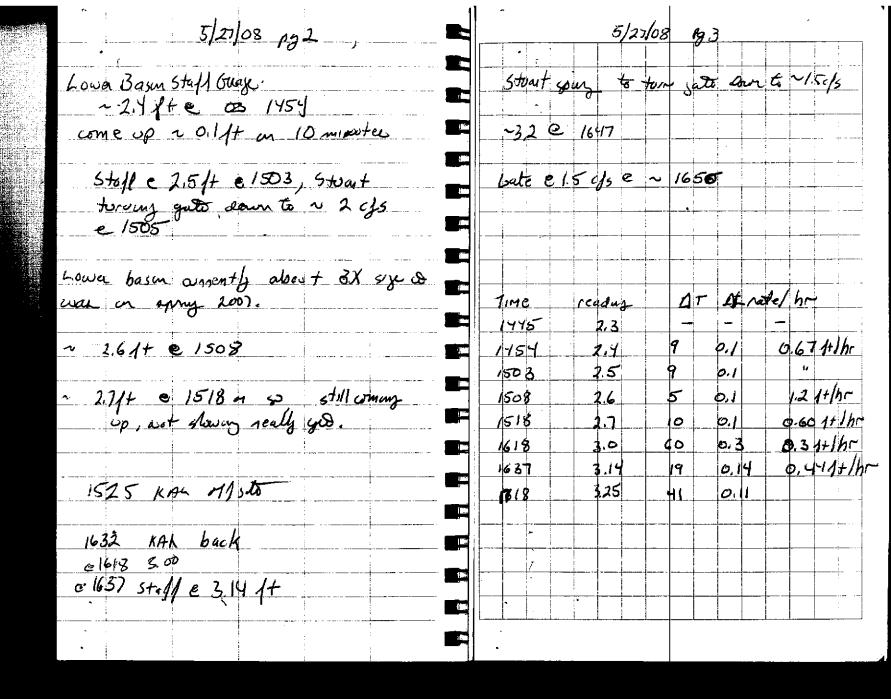
APPENDIX A Field Notes

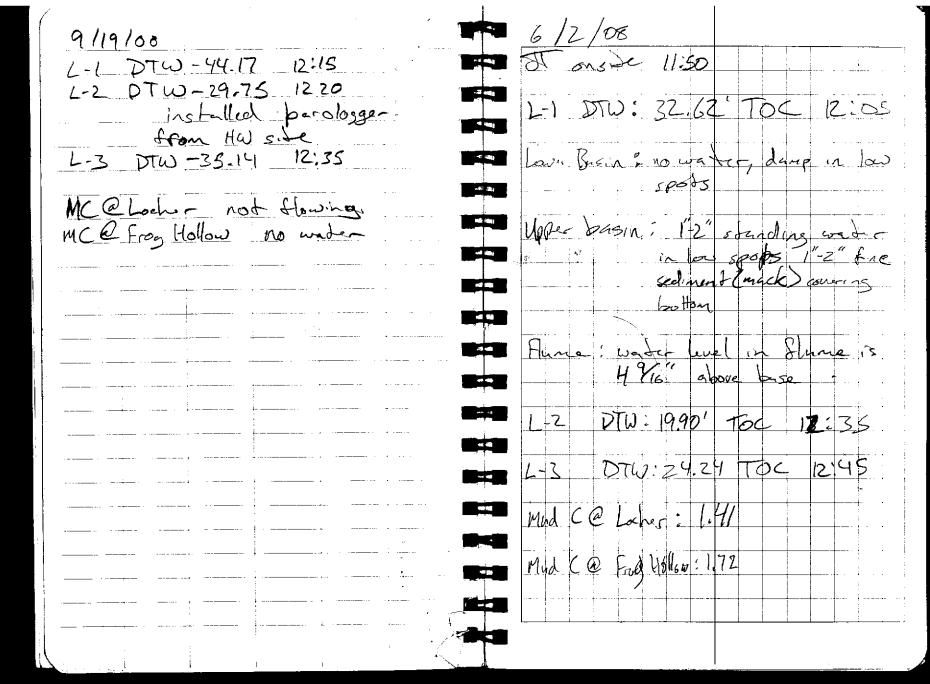
3/17/08 TOC 1500 corrupted to sent to 36451 -23.22 1.08 upper mand



4/29/08 4/16/08 insolled transdage in upper 6/11 DTW: 33.70' 1140 installed transclucer in love basin 1150 cornet ustal upper busin transducer basin is too full still resturt @ 12:10 high >1000 cfs al L-2 DTW: 20.37 1225 L-3 DTW: 24.82 1233 upper and creek @ locher lover and neck @ frog Hollow Mal Conctioning, replaced with space







APPENDIX BWater Quality Analyses

143 Lab ID # :>

Washington State ID:

M1873

EPAID#:

WA 01177 Telephone : (509) 522-3775

Fax: (509) 529-9681

Date:

01/25/08

581 Mill Creek Road

Walla Walla, WA 99362

System ID / Name:

Walls Walls Basin Watershed Council

Zip Code:

\$132.00 Amount Due:

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

97889

Lab Analyst:

Skifstad

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

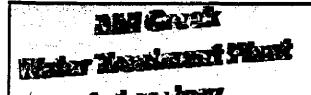
	Test Method 92238		AND CHARDEST AND
Sample ID #1	Results	Units	Lab Number
L-1	Absence	Presence / Absence	143-05160
Sample ID #2	Results	Units	Lab Number
L-2	Presence	Presence / Absence	143-05161
	Total Collions	Present / Feori Coliform Absent	
Sample LD #3	Results	Units 100	Lab Number
L-3	Presence	Presence / Absence	143-05162
	Total Collors	Present / Fecal Colliform Absent	
Sample ID #4	Results	Units	Lab Namber
C717-7-		AND THUSE ICE	143-05163
L.WIW.	Total Collions	Present / Fecal Coliform Absent	X_Present_
Semple ID #5	Results	Units	Lab Number
	Aucomoc	Presence / Absence	143-05164
Sample ID #6	Results	Units	de Humber
		Presence / Absence	143-05165
	Total Coliform	Present / Fecal Coliform Absen	_X_Present

The City of Walks Walks'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 Kicken

/-25-08 (date)



Lab ID#: 143

Washington State ID: M1873

EPA ID #: WA 01177 Telephone: (509) 522-3775

Ferniciae (200) 325-3773

Fax: (509) 529-9681

Date: 01/25/08

581 Mill Creek Road Walla Walla, WA 99362

System ID / Name: Walla Walla Basin Watershed Council		Amount Due:	\$150.00
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: 97863	Lab Analyst:	Skillsted

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

TOPE THE CONTRACT OF STREET OF THE	Method 9222D	**	文字(例)被例如 为
Sample (D #1	Results	Units	Lab Number
L-1	0.0	CFU's / 100 mL	143-05154
Sample ID #2	Results	Units	Lab Mumber
L-2	0.0	CFU's / 100 mL	143-05155
Sample ID #3	Results	Units	Lab Number
L-3	0.0	CFU's / 100 mL	143-05156
Sample ID #4	Results	Units	Lab Number
d-W-1		CFU's / 100 mL	143-05157
Sample D #5	Results	Units	Lab Number
<u> </u>	-0.0	CFU's / 100 mL	143-05158
Sample ID #6	Results	Units	Lab Number
		CFU's / 100 mL	143-05159

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

Signature Lab Director:

Tomi Kreba

1-25-08

(date)

143 Lab ID#

Washington State ID:

M1873

EPA ID#: Telephone: (509) 522-3775

WA 01177

Fax: (509) 529-9681

Date:

01/25/08

581 Mill Creek Road

Walla Walla, WA 99362

System ID / Name:

Walls Walls Basin Watershed Council

Zip Code:

Amount Due:

\$132.00

Sampler:

Bob Bower

Invoice Number:

6001

Address:

P.O. Box 68

Date Collected:

1/23/08

City:

Milton-Freewater

Date Analyzed:

1/23/08

State:

Oregon

97869

Lab Analyst:

Skifetad

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

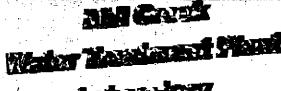
The second of th	Test Method 92238	क्षा करता । १८ ५ मा १ असम्बद्धाः कृष्ट स्ट डन	经现在的 种的
Sample ID #1	Results	Units	Lab Number
L-1	Absence	Presence / Absence	143-05160
Sample ID #2	Results	Units 164 year	Leb Number
L-2	Presence	Presence / Absence	143-05161
	Total Coliform P	resent / Fecal Colliann Absent	
Sample ID #3	Results	Units	Leb Number
L-3	Presence	Presence / Absence	143-05162
	Total Colitorn P	resent / Fecal Coliform Absent	
Sample ID #4	Results	Units	Lab Number
4.	Troositor	Presence / Absence	143-05163
	Total Coliform P	resent / Facul Collions Absen	X_Precent_
Sample ID #5	Results	Units	Lab Number
4111-2	AUSSING	- Presence / Absence	143-05164
Sample ID #6	Results	Units	Lab Number
194-6	- Creaning	- Presence / Absence	143-05165
	Total Coliform F	resent / Fecal Collions Absen	t_X_Present_

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

Signature Lab Director:

Tono Kicken

/-25-08



Washington State ID:

Lab ID#:

EPA ID #: WA 01177 Telephone: (509) 522-3775

Fax: (509) 529-9681

143

M1873

Date: 01/25/08

System ID / Name:

581 Mill Creek Road Walla Walla, WA 99362

Walla Walla Basin Watershed Council Amount Due: \$150.00

Sampler Bob Bower Invoice Number: 8001

Address: P.O. Box 68 Date Collected: 1/23/08

City: Date Analyzed: 1/23/08

State: Oregon Zip Code: 97863 Lab Analyst: Skifstad

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

LYNCHAL SECTION OF THE TOTAL	Method 9222D		A CONTRACTOR
Sample ID #1	Results	Units	Lab Number
L-t	0.0	CFU's / 100 mL	143-05154
Sample iD \$2	Results	Links	Lab Number
<u>L-2</u>	0.0	CFU's / 100 mL	143-05155
Sample ID #3	Results	Units	Lab Number
L-3	0.0	CFUs / 100 mL	143-05156
Sample ID #4	Results	Units	Lab Number
		CFU's / 100 mL	143-05157
Sample ID #6	Results	Units	Lab Number
4nv-2	7 0.0	CFU's / 100 mL	143-05158
Sample ID #6	Results	A Resident	
Sample ID #6		Units	Leb Number
,		CFU's / 100 mL	143-05159
	<u> </u>		

The City of Walls Walle's Mill Creek Waler Treetment 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:

Tomi Krebs

1-25-08 (deta)

(date)

Date Sample Collected

193108

County



MILL CREEK WATER TREATMENT PLANT

MILL CHEEK WATER THEATMENT 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 with be rejected.

Time Sample

Collected

Month Day Year 10 2	SAM
Type of Water System (check only one b	ox)
☐ Group A Public	☐ Private Household
☐ Group B Public	Ø Other ASC
Group A and Group B Systems - Provide	from Water Facilities Inventory (WFI):
ID#	
System Name:	
Contact Person: BOB BOW	G&
Day Phone: (541) 938 - 3170	Cell Phone: (509) 520 -3534
Eve. Phone: ()	FAX: ()
Send results to: (Print full name, address	
MIZACI AMACU AMACU	WATERSHED (DUNCIL)
1810 S. MAIN BO	Box 68
MILITALI- FORKLUMT-D	JOR 97867
	NFORMATION
Sample collected by (name):	
Specific Incestion where sample collected	(address or sample site, and type of faucet):
opposite rotation where sample contributed	(aucress or sample site, and type of (aucer):
Special instructions or comments:	
Type of Sample (must check only one bo	ox of #1 through #4 listed below)
1. Routine Distribution Sample	2. □Repeat Sample (follow-up
Provide information below.	to an unsatisfactory sample)
Chlorinated: Yes No Pree Chlorine Residual: Total Free	Provide information below.
3.☐ Raw Water Source Sample	Unsatisfactory routine lab number:
Required for Surface Water, GWI, and	Lineatinfordani sautin n sellest data:
some Spring Sources) Total Coifform	Unsatisfactory routine collect date:
S	and the second s
Public Systems must provide Source Number Irom (WFI)	Chlorinated: Yes No Chlorine Residual: Total Free_
ANT Comple Cells stad for Information	<u> </u>
4. Sample Collected for Information	
Construction Repairs Pri	vate Residence Other PA
D/ 0-11-1-1-1-1	
T-4-1 O-12 4 L	atisfactory
100	d Coliform Present and li present ☐ E.coli absent
ABSENT DF	coliform present Fecal coliform absent
☐ Replacement Sample Required	, , , , , , , , , , , , , , , , , , , ,
Sample not tested because:	Test unsultable because:
Sample too old (>30 hours)	■ TNTC
☐ Improper container	☐ Turbid culture
Bacterial Density Results: Plate Count	/mJ, E.colî /10/0ml.
<u> </u>	cal Coliform/100ml.
₹ Method Code:	
1140 □ 1340 KZ 2720	Date and Time Received:
	Data Paradati
Date Analyzed: リーっぱーゅ(べく)	Date Reported: / 7A / S
1 4 3 0 7 7 6 3	1/2-1/2-1
Lab/Sample Number	Lab Use:
142/0/1/48	Lab Use:



MILL CREEK WATER TREATMENT PLANT 581 Mill Creek Road • Walls Walls, WA 98362 Phone 509/522-3775 - Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

il instructions are	not fallowed, s	emple will be rejected	<u> </u>
Date Sample Collected 1 193 108 Month Day Year	Time Sample Collected		County
Type of Water System (check oni Group A Public Group B Public	iy one box)	Private Househok Other	ASR_
Group A and Group B Systems ID# System Name:	Provide from V	Nater Facilities Inve	ntory (WFI):
Contact Person: 203	SANCE PARTY	<u></u>	
Day Phone: (54) 039	LI OF	# Phone: (50A):	540-3534
Eve. Phone: ()	j FA	uc()	
Send results to: (Print full name, WALLA WALLA WALLA BAS & (O) S. MAIN MUDON - FORCE	12/11/12/12 12/12/12/12	BOX 68)
	MPLE INFOR		
Sample collected by (name): Specific location where sample of the special instructions or comments) poliected (addre		and type of faucet):
Type of Sample (must check on	lv one box of #	1 through #4 listed	helow)
Routine Distribution Sam Provide Information below. Chlorinated: YesNo	ple 2.	Repeat Sample to an unsatisfactoride information be satisfactory routine	(follow-up tory sample) low.
I / &	i, and Un	satisfactory routine	coffect date:
Public Systems must provide Source Number	AL ELLAN DAVED		_ No
4:♀ Sample Collected for Info	· · · · · ·	lonne Residual: Tota	Free
Construction Repairs	Private		Other PA
Satisfactory Total Coliform Absent	☐ €.coli pre:	liform Present and	coli absent
Replacement Sample Requi			

DOH Form #331-319 (4-444-459) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

Fecal Coliform

Test unsuitable because: TINTC
Turbid culture

__/m1. E.coli__

Date and Time Received:

Date Reported:

Lab Use:

_/100ml.

/100ml.

Sample not tested because:

Sample too old (>30 hours) ☐ Improper container

Total Coldonn

□ 1140

MICR Method Code:

Date Analyzed: Lab/Sample Number

143-05155

Bacterial Density Results: Plate Count

[] 1340

/100ml.

Date Sample Collected

1 133108 Month Day Year

Type of Water System (check only one box)

County



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. Time Sample

Collected M. AM

☐ Group A Public ☐ Group B Public	Private Household
Group A and Group B Systems - Provide t	from Water Facilities Inventory (WFI):
ID#	
System Name:	
Contact Person: BOB BOW	
Day Phone: (541) 938-2170 Eve. Phone: ()	
Send results to: (Print full name, address a	FAX: ()
WALL WALL BASIN U	UNITESTICED (COLLINEIL
810 S. NAW P.O	
MILION- FREE WATE	-
Sample collected by (name):	FORMATION
BOB BOWER	
Specific location where sample collected (a	address or sample site, and type of faucet):
Special Instructions or comments:	
Type of Sample (must check only one box	c of #1 through #4 fisted below)
1. C Routine Distribution Sample	2. Repeat Sample (follow-up
Provide information below.	to an unsatisfactory sample)
Chilorinated: Yes No No Chilorine Residual: Total	Provide information below.
3. Raw Water Source Sample	Unsatisfactory routine lab number:
Required for Surface Water, GWI, and	Unsatisfactory routine collect date:
some Spring Sources) Total Colliform	1
S Galiform	Chlorinated: YesNo
Public Systems must provide Source Number Iron (WFI)	Chlorine Residual: Total Free
4. Sample Collected for Information (Only
	vate Residence Other P/A
☐ Satisfactory SUns	atisfactory
Total Coliform Absent Total	Coliform Present and
Total Coliform Absent Total □ E.col	Coliform Present and i present
Total Coliform Absent Total ☐ E.col ☐ Fecal	Coliform Present and
Total Coliform Absent Total ☐ E.col ☐ Fecal ☐ Replacement Sample Required	Coliform Present and i present
Total Coliform Absent Total ☐ E.col ☐ Fecal ☐ Replacement Sample Required Sample not tested because: ☐ Sample too old (>30 hours)	Coliform Present and i present
Total Coliform Absent Total ☐ E.col ☐ Fecal ☐ Replacement Sample Required Sample not tested because:	Coliform Present and i present
Total Coliform Absent Total ☐ E.col ☐ Fecal ☐ Replacement Sample Required Sample not tested because: ☐ Sample too old (>30 hours)	Coliform Present and i present
Total Coliform Absent Total E.col Fecal Replacement Sample Required Sample not tested because: Sample too old (>30 hours) Improper container Bacterial Density Results: Plate Count	Coliform Present and
Total Coliform Absent Total E col Replacement Sample Required Sample not tested because: Sample too old (>30 hours) Improper container Bacterial Density Results: Plate Count Total Coliform/100ml. Fec	Coliform Present and
Total Coliform Absent Total E.col E.col Fecal E.col Fecal Fecal E.col Fecal Fecal	Coliform Present and
Total Coliform Absent Total E.col E.col Fecal E.col Fecal Fecal	Coliform Present and i present E.coli absent Decent E.coli absent Coliform present E.coli absent Coliform present E.coli absent Coliform absent E.coli TNTC Turbid culture E.coli /100ml. Coliform /100ml. Coliform /100ml. Coliform Coliform
Total Coliform Absent Total E.coli E.coli Fecali E.coli Fecali E.coli Fecali Fecali E.coli Fecali E.coli Fecali E.coli Fecali E.coli E.coli	Coliform Present and
Total Coliform Absent Total E.col E.col Fecal E.col Fecal Fecal	Coliform Present and i present E.coli absent Decent E.coli absent Coliform present E.coli absent Coliform present E.coli absent Coliform absent E.coli TNTC Turbid culture E.coli /100ml. Coliform /100ml. Coliform /100ml. Coliform Coliform



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

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

County

Time Sample

Date Sample Collected

Dete dell'ipre donocido	Collected		
Month Day Year	11:10	PH PH	
Type of Water System (che	ck only one box)		
☐ Group & Public ☐ Group & Public	. <u>_</u>	X Out	vate Household
Group A and Group B Syste	ems – Provide fro	m Water	Facilities Inventory (WFI);
System Name:			• •
Contact Person: 202	Powe	2	
Day Phone: (541) 03	2 174	Cell Ph	one: (50A) 510 -3534
Eve. Phone:	8-41 TU 	FAX: (
Send results to: (Print full re	ame address an		ia)
WALLELLAULE	BASIN KI	ATERS	HED DUNCIL
MAM 2018	~~~50~~	Ω	6b
MILITAL-FREE			
WINTERSON			
	SAMPLE IN	CRIMA	IIUN
Sample collected by (name	2):	•	
BOR BOL	16-6		
Specific location where sall - 2	mple collected (a	ddress o	r sample sits, and type of faucet):
Special instructions or com	ıments:		
Type of Sample (must che	eck only one box	of#1 thi	rough #4 listed below)
• •			and the second s
 Routine Distribution Provide information below. 	•		epeat Sample (follow-up an unsatisfectory sample)
Chlorinated: Yes N		•	information below.
Chlorine Residual: Total	Free		factory routine lab number:
3. Raw Water Source	Sample		
Required for Surface Water		Unsatis	factory routine collect date:
some Spring Sources)	Total Collina	ŀ	1 1
	☐ Fecal Coliform	Chlorin	ated: Yes No
Public Systems must provide Source	a Number from (WFI)	i '	e Residual: Total Free
A TO Complete the House of A			
4. ☐ Sample Collected f Construction Rep		uniy vate Res	idence Other PA
CORBUCCOUINop		1000 1100	
Satisfactory		atisfact	
Total Coliform Absent			m Present and □ E.coli absent
		l present	☐ E.coli absent present 反 Fecal coliform absent
		u comoin	T produit you down control in deposit
Replacement Sample	· ·		•
Sample not tested becaus		Testura □ TNT	suitable because:
Sample too old (>30 hour improper container	e)		bid culture
	<u> </u>	<u> </u>	
Bacterial Density Results:	Plate Count		/ml. E.coli/100ml.
Total Coliform	/100ml. Fe	cal Colife	orm/100ml.
MICR Method Code:		Date:	and Time Received: 20
□ 1140 □ 1340	Q 2720	1. 1.	she to 12 am
		Date	Reported: 1/24/06
Date Analyzed:	J& (C5)		
Lab/Sample Number		Labl	Jse:
		1	
143-05156	;		
· ·			OPY FOR EXPLANATION OF RESU



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

COLIFORM BACTERIA ANALYSIS

AMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY

		le will be rejected.	
Date Sample Collected	Time Sample	County	
1 123/08	Collected	1	
Month Day Year	O:55 8™		
Type of Water System (check o			
Group A Public		rivate Household	
☐ Group B Public	· 🙀 O	ther ASIZ	
Group A and Group B Systems	- Provide from Water	r Facilities Inventory (WFI):	
ID#			
System Name:			
Contact Person: BOB	OUER		
	2170 Cell P	hone: (50A) 520 -353/4	
Eve. Phone: ()	FAX: (
Send results to: (Print full name	. 1 '	- A	
MOUN MAMPRA	SIN WATE	eshed Council	
SIOS MAIN	μ 0.60x ϵ	&	
MILLON FREEL		2. 97862	
SA Sample collected by (name):	MPLE INFORMA	ION	
Por Bower			
		r sample site, and type of faucet):	
Specific receiping where semple	roughed (9001622)	· sample site, and type of salicet).	
Enneigl Instructions of communi	in:		
Special Instructions or comment	ua.		
Type of Sample (must check or	ily one box of #1 the	ough #4 listed below)	
1. Routine Distribution San	nple 2. □R	speat Sample (follow-up	
Provide information below.		an unsatisfactory sample)	
Chlorinated: Yes No		information below.	
Chlorine Residual: TotalFree Unsatisfactory routine lab number:			
4 D B W-1	- Chisalis	actory routile sao nomber.	
3. Raw Water Source Samp Required for Surface Water GW	le		
Required for Surface Water, GW	le Unsatis	factory routine collect date:	
Required for Surface Water, GW some Spring Sources)	Ite Unsatis	factory routine collect date:	
Required for Surface Water, GW some Spring Sources) Total	Insatis	factory routine collect date:	
Required for Surface Water, GW some Spring Sources) Tou Tou Fec. Public Systems must provide Source Numb	It, and Unsatisal Collorn Chlorina or from (WFI)	factory routine collect date:	
Required for Surface Water, GW some Spring Sources) Tou Tou Fec Public Systems must provide Source Numb	Ite If, and Unsatis at Colform Chlorine ormation Only	factory routine collect date: // ted: Yas No Residual: Total Free	
Required for Surface Water, GW some Spring Sources) Tou Fec. Public Systems must provide Source Numb	Ite If, and Unsatis at Colform Chlorine ormation Only	factory routine collect date: // ted: Yas No Residual: Total Free	
Required for Surface Water, GW some Spring Sources) Tou Tou Fec Public Systems must provide Source Numb	Ite If, and Unsatis at Colform Chlorine ormation Only	factory routine collect date: // ted: Yas No Residual: Total Free	
Required for Surface Water, GW some Spring Sources) Tou Fec Public Systems must provide Source Numb 4. Sample Collected for Info Construction Repairs	Ite It, and Unsatis at Colform Chloring	factory routine collect date: / / Ited: Yas No Residual: Total Free dence Other A F	
Required for Surface Water, GW some Spring Sources) Tour Sources Public Systems must provide Source Numb 4. 3 Sample Collected for Infection Repairs	It and Unsatisfactor Chloring	factory routine collect date:	
Required for Surface Water, GW some Spring Sources) Tou Fec Public Systems must provide Source Numb 4. Sample Collected for Info Construction Repairs	It and Unsatisfactor Ormation Chlorine Ormation C	factory routine collect date: // // Residual: Total Free dence Other AF	
Required for Surface Water, GW some Spring Sources)	It and Unsatis at Colform Chlorina Chlo	factory routine collect date: // Ited: Yas No Residual: Total Free dence Other A F ory n Present and E.coli absent	
Required for Surface Water, GW some Spring Sources) Tour Tour Sources Public Systems must provide Source Numb 4. 3 Sample Collected for Info Construction Repairs	Insatisfactor Unsatisfactor Unsatisfactor Unsatisfactor Unsatisfactor Total Coliform E.coli present Fecal coliform	factory routine collect date: // // // Residual: Total Free dence Other AF	
Required for Surface Water, GW some Spring Sources) Tou Tou Systems must provide Source Numb 4. Sample Collected for Info Construction Repairs Satisfactory Total Coliform Absent	Ite It, and Unsatis at Colform or from (WFI) Chloring ormation Only Private Resi	factory routine collect date: // Ited: Yas No Residual: Total Free dence Other A Present and E.coli absent present Fecal coliform absent	
Required for Surface Water, GW some Spring Sources) Tour Tour Tour Tour Tour Tour Tour Tour	Ite It, and Unsatiss of Chloring Chlori	factory routine collect date: // ted: Yas No Residual: Total Free dence Other A Pry n Present and E.coli absent present Fecal coliform absent uitable because:	
Required for Surface Water, GW some Spring Sources) Total Coliform Absent Replacement Sample Requirement Sa	It and Unsatisfactor Total Coliform Coliform Chloring	factory routine collect date: // // Ited: Yas No Residual: Total Free dence OtherA Pry In Present and DE coli absent present Fecal coliform absent uitable because:	
Required for Surface Water, GW some Spring Sources) Tour Tour Tour Tour Tour Tour Tour Tour	It and Unsatisfactor Total Coliform Coliform Chloring	factory routine collect date: // // Ited: Yas No Residual: Total Free dence Other A Pry In Present and DE coli absent present Fecal coliform absent uitable because: d culture	
Required for Surface Water, GW some Spring Sources)	Insatisfactor Unsatisfactor Discount Chloring	factory routine collect date: // // Ited: Yas No Residual: Total Free dence Other Pry In Present and E.coli absent present Fecal coliform absent uitable because: d culture Inl. E.coli /100ml.	
Required for Surface Water, GW some Spring Sources) Tour Tour Sources From Sources From Tour Source Number 1 Sample Collected for Info Construction Repairs Total Coliform Absent Replacement Sample Required Sample not tested because: Sample not tested because te	Insatisfactor Unsatisfactor Discount Chloring	factory routine collect date: // // Ited: Yas No Residual: Total Free dence Other Pry In Present and E.coli absent present Fecal coliform absent uitable because: d culture Inl. E.coli /100ml.	
Required for Surface Water, GW some Spring Sources) Tou Tou Source Sources Public Systems must provide Source Numb 4. Sample Collected for Info Construction Repairs Total Coliform Absent Replacement Sample Required Sample not tested because: Sample not tested be	Ite It, and Unsatis at Colform or trom (WFI) Chloring Chl	factory routine collect date: // // Ited: Yas No Residual: Total Free dence Other Pry In Present and E.coli absent present Fecal coliform absent uitable because: d culture Inl. E.coli /100ml.	
Required for Surface Water, GW some Spring Sources) Tour Tour Sources From Sources From Tour Source Number Source Number Source Number Source Number Source Number Source Number Sample Collected for Info Construction Repairs Repairs Total Coliform Absent Sample not tested because: Sartisfactory Total Coliform Absent Sample not tested because:	Ite It, and Unsatis at Colform or trom (WFI) Chloring Chl	factory routine collect date: // ted: Yas No Residual: Total Free dence OtherA Pry n Present and E.coli absent present Fecal coliform absent uitable because: d culture ml. E.coli /100ml.	
Required for Surface Water, GW some Spring Sources) Tou Tou Source Sources Public Systems must provide Source Numb 4. Sample Collected for Info Construction Repairs Total Coliform Absent Replacement Sample Required Sample not tested because: Sample not tested be	Count Coun	factory routine collect date: // ted: Yas No Residual: Total Free dence OtherA pry n Present and present E.coli absent present Fecal coliform absent uitable because: d culture ml. E.coli/100ml.	
Required for Surface Water, GW some Spring Sources) Tou Tou Tou Tous Systems must provide Source Number 4. Sample Collected for Info Construction Repairs	Count Coun	factory routine collect date: // residual: Total Free dence Other Free dence Free dence Free	

DON Form #331-319 (revised 500) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS



MILL CREEK WATER TREATMENT PLANT

MILL CREEK WATER TREATMENT PLANT
581 MNI Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 508/529-9681

COLIFORM BACTERIA ANALYSIS
SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
Instructions are not followed, sample will be rejected.

If instructions are n	ol lollowed, sim	DIS THE DE LA LEGISON.
Date Sample Collected 1	îme Sample	County
1/23/08	Collected TX A	,]
Month Day Year	: <u>25</u> 69	
Type of Water System (check only	one box)	ar a tractal
☐ Group A Public ☐ Group B Public		Private Household Other ASR
Group A and Group B Systems - F	-LOAIGE ILOUF ANS	REAL LANGUAGE HARCHING (CALAN)
D#		
System Name:	2	
	المارية	Phone: (50A) 530 - 3534
Day Phone: (541) 023	FAX	1
Send results to: (Print full name, a		· · ·
WALLA WALLA		
WALLA WALLA	322117177	V AG
	20 <u> </u>	
MUIDN-FILE	WESTER	OR 97862
	MPLE INFOR	MATION
Sample collected by (name):		
PAR BAUGE) <u> </u>	·
Specific location where sample or	ollected (addres	s or sample site, and type of faucet):
Special instructions or comments	C .	
Type of Sample (must check on	v one box of #1	through #4 listed below)
	I -	Repeat Sample (follow-up
 □ Routine Distribution Sam Provide information below. 	Date 5. ,	to an unsatisfactory sample)
Chlorinated: YesNo		ride information below.
Chlorine Residual: TotalFr	<u>ee</u> Uns	atisfactory routine lab number:
3. Raw Water Source Samp		
Required for Surface Water, GW some Spring Sources) Total	,	atisfactory routine collect date:
	il Goliform	
		orinated: Yes No
Public Systems must provide Source Numb	er mount (north) Chi	orine Residual: TotalFree
4. Sample Collected for Info	ormation Only	
ConstructionRepairs	Private I	ResidenceOther_M\E
☐ Satisfactory	☐ Unsatisi	actory
Total Coliform Absent	Total Col	form Present and
	☐ E,ooli pre:	ient DE.coli absent form present Decal coliform absent
<u> </u>	<u> </u>	nui Neseir C rays Mainin anadir
Replacement Sample Requ		*
Sample not tested because:		unsultable because:
Sample too old (>30 hours) Improper container		TNTC Turbid culture
	0	
Bacterial Density Results: Plat	e Count	
Total Coliform/10	Omi. <u>Fecal</u> C	oliform
MICR Method Code:	D	ate and Time Received:
ł .	2720	(1)3/08 @ 12 PM
Date Analyzed: (/ \2 / \2	(A) 0	ate Reported: 174103
Lab/Sample Number	' \\	ab Use:
1	i -	
143, 05160	ļ	

OCH FOTE \$331-378 (Maried SEE) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESUL



581 Mill Creek Road - Walls Walls, WA 99362 Phone 509/522-3775 - Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

GAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY if instructions are not followed, comple will be rejected.					
Date Sample Collected	Time Sar		County		
1 /33/08	Collect	ed	,		
Month Day Year _	<u>α α</u>				
Type of Water System (check of	only one box				
☐ Group A Public ☐ Group 8 Public			vate Household her_AS.R		
Group A and Group B Systems	- Describe 6				
ID#		(WILL FIGURE)	racindes investory (viril).		
System Name:					
Contact Person: (2)	WOU	X÷€.			
Day Phone: (541) 939.	JIRO	Cell Phi	one: (559) SAO-3534		
Eve. Phone: ()		FAX. ()		
Send results to: (Print full name	e, address a	• '			
WALLA WALLA G	<u>1990</u>	UMC	rships (DUNCIL)		
SIDSMUL !	20. B	ox 6	8		
WILTON-FREEL			R 97867		
	AMPLE IN	FORMAT	ION		
Sample collected by (name):	_				
Specific location where camelo	enllanted (a	ddenes or	sample site, and type of faucet):		
Specific location where sample	CONSCIECT (a	G01682 01	sample site, and type of iduced.		
Special instructions or commer	nts:				
Type of Sample (must check o	nly one box	of #1 thro	ugh #4 listed below)		
1. Routine Distribution Sa	mple	2. □ Re	peat Sample (follow-up		
Provide information below. Chiorinated: Yes No			in unsatisfactory sample)		
Chlorine Residual: Total F	ree		nformation below. sctory routine lab number:		
3. Raw Water Source Same	nia .	Oileaner	AND TOURISE IND CONTRACTOR		
Required for Surface Water, GV		Unsatisfa	ctory routine collect date:		
some Spring Sources)	tal Coliform		1 1		
	cal Coliforn	Chlorinate	ed; YesNo		
Public Systems must provide Source Num	ber from (WFI)		Residual: Total Free		
4. ⊠ Sample Collected for Inf	ormation C	nly			
ConstructionRepairs_		ate Reside	enceOther U\ E		
☐ Satisfactory	Ullnes	tisfactor	v		
Total Coliform Absent			Present and		
	☐ E.coli	present	☐ E.coli absent		
	☐ Fecal	coliform p	resent D Fecal coliform absent		
Replacement Sample Requ	ired				
Sample not tested because:			table because:		
Sample too old (>30 hours)		□ TNTC □ Turbid	es albums		
— mily observer represent			restrica.		

/ml. E.coli_

Date and Time Received:

Date Reported:

Lab Use:

DOM From \$251-319 (revised \$66) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

173108@

/100m1.

Lab/Sample Number

143-05162

Bacterial Density Results: Plate Count_

□ 1340

/100ml.

2720

Total Coliform

1140

Lab/Sample Number

'R Method Code:

Date Analyzed: 1/23

143-05163



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 ROO COPY

# instructions are not followed, sample will be rejected.	
Date Sample Collected Time Sample County	
Collected AM	1
Month Day Year 11:10 FPM	
Type of Water System (check only one box)	\dashv
☐ Group A Public ☐ Private Household	
Group B Public Storm	_
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):	
ID#	
System Name:	
Contact Person: Pos Power	\dashv
Day Phone: (5:11036 - 2130 Cell Phone: (504) 520-353	_
Day Phone: (5:110>6-3130 Cell Phone: (5:04) 520-353	1
Send results to: (Print full name, address and zip code)	
	ŗ
WATE MAITE BYZIN MALLERICO CORNET	اسيا
SIOS MAIN POSOX 68	
MUTON-FRESHATER, OR, 97862	
SAMPLE INFORMATION	
Sample collected by (name):	
Specific location where sample collected (address or sample site, and type of fauct	
Specific occasion where sample consider (audiess or sample and, and type or radio	etj.
Consist incharging as a supposite	_
Special instructions or comments:	
	-
Type of Sample (must check only one box of #1 through #4 listed below)	
Type of Sample (must check only one box of #1 through #4 listed below)	-
1.□ Routine Distribution Sample 2. □ Repeat Sample (follow-up	
1.□ Routine Distribution Sample 2. □ Repeat Sample (follow-up	
1. ☐ Routine Distribution Sample Provide information below. 2. ☐ Repeat Sample (follow-up to an unsatisfactory sample)	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorine Residual: Total Free 3. ☐ Raw Water Source Sample	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorine Residual: Total Free 7. ☐ Raw Water Source Sample Required for Surface Water, GWI, and Chlorine Residual: Total Free 7. ☐ Raw Water Source Sample Required for Surface Water, GWI, and Chlorine Distribution Sample to an unsatisfactory sample (follow-up to an unsatisfactory sample) Provide Information below. Unsatisfactory routine Lab number: Unsatisfactory routine collect date:	
1. □ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Provide Information below. Chlorine Residual: Total Free Unsatisfactory routine lab number: 3. □ Raw Water Source Sample	
1. ☐ Routine Distribution Sample Provide information below. Chlorinated: YesNo	
1.□ Routine Distribution Sample Provide Information below. Chlorinated: YesNo Chlorine Residual: TotalFree 3.□ Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) □ Total Coliforn 1.□ Routine Distribution Sample to an unsatisfactory sample for surface Water, GWI, and some Spring Sources) □ Total Coliforn	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorine Residual: Total, Free 3. ☐ Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) ☐ Total Collignm	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorine Residual: Total Free 3. ☐ Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) ☐ Total Collisions	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorine Residual: Total Free 3. ☐ Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) ☐ Total Collisions L S	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorine Residual: Total Free 3. ☐ Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) ☐ Total Collisions	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No	
1. ☐ Routine Distribution Sample Provide Information below. Chlorineted: Yes No	
1. ☐ Routine Distribution Sample Provide information below. Chlorineted: YesNo	
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No	ent
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No	ent
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No	ent
1. ☐ Routine Distribution Sample Provide Information below. Chlorinated: Yes No	ent
1. Routine Distribution Sample Provide Information below. Chlorinated: Yes No Provide Information below. Chlorinated: Yes No Provide Information below. Unsatisfactory routine lab number:	ent
1. Routine Distribution Sample Provide Information below. Chlorineted: Yes No	
1. Routine Distribution Sample Provide Information below. Chlorinated: Yes No Chlorinated: Yes No Chlorinated: Yes No Unsatisfactory routine lab number: Unsatisfactory routine lab number: Unsatisfactory routine collect date: Sample Required for Surface Water, GWI, and some Spring Sources) Total Coliform Public Systems must provide Source Number from (WFI) Chlorinated: Yes No Yes Chlorinated: Yes No Yes	
1. Routine Distribution Sample Provide Information below. Chlorinated: Yes No	
1. Routine Distribution Sample Provide Information below. Chlorinated: Yes No Provide Information below. Chlorinated: Yes No Provide Information below. Unsatisfactory sample Provide Information below. Unsatisfactory routine lab number: Unsatisfactory routine lab number: Unsatisfactory routine collect date: Sample Sources Total Coliform Chlorinated: Yes No Total Coliform Present E.coli E.coli E.coli Decoration Total Coliform Present Test unsuitable because: Test unsuitable	

Lab Use:

DON Form \$231-319 points \$60) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS



Burlington WA
Corporate Office
Bellingham WA
46crobiology

1620 S Walnut St - 98233
800.755.9295 • 360.757.1400 • 360.757.1402fax
805 Orchard Dr Suite 4 - 98225
360.671.0688 • 360.671.1577fax

Page 1 of 3

Data Report

Client Name: Walla Watta Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Report Date: 2/4/2008

Reference Number: 08-00978

Project: Locher Recharge Site

Collected By: Bob Bower

Peer Review: 1/24/2008

Lab Num	sber: 2123 Şamı	ple Description	on: L-1 - L	_1 obs well				Samplé	Date:	1/23/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analysi	Batch	Comment
14797-55-8	NITRATE-H	5.28	0.02	0.0009	mg/L	2.0	SM4500-NQ3 F	1/25/2006	\$0	NO3NO2-080128	
E-10173	TOTAL DISSOLVED SOLIDS	235	10	10	mg/L	1.0	SM2540 C	1/24/2006	CCN	TD8_000128	
16887-00-6	CHLORIDE	5.8	1.0	0.143	mg∕L	10.0	300.0	1/24/2006	BJ	1000124A	•
14265-44-2	ORTHO-PHOSPHATE	0.36	0.01	0.005	mg/L	1.6	\$844500-P F	1/24/3004	\$0	OPHOS 000134A	
E-10139	HYDROGEN ION (pH)	7.07			pH Units	1.0	\$M4500-H+ B	1/24/2008	MAK	PH_080124	
E-10617	TURBIDITY	48.6	0.10	0.02	NTU	2.0	180.1	1/21/2008	MAK	TURB_080124	
E-10184	ELECTRICAL CONDUCTIVITY	388	10	10	ψ S/cm	1.0	SM2510 B	1/20/2008	CCN	EC_980125	
E-11778	HARDNESS	135	3.30	0.055	mg CaCi	1.0	200.7	1/29/2008	BJ	200.7-090129A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	Suisone	MAK	COO_040201	
Lab Nurr	ber: 2124 Sam	ple Descripti	on: L-2 - I	L-2 obs well				Sample	Date:	1/23/2008	
CAS ID#	Analyte	Result	POL	MOL	Units	DF	Method	Analyzed	Analyt	t Batch	Commen
14797-55-8	NITRATE-N	3.47	0.02	0.0009	mg/L	2.0	SM4500-NO3 F	1/25/2008	80	NOBNO2-060126	
E-10173	TOTAL DISSOLVED SOLIDS	181	10	10	mg∕L	1.0	SM2540 C	1/28/2006	OCH	TO8_08612#	
16887-00-6	CHLORIDE	5.6	1.0	0.143	mg/L	10,0	300.0	1/24/2000	1.4	£080124A	
14265-44-2	ORTHO-PHOSPHATE	0.33	0.01	0.005	mg/L	1.0	SM4500-P F	1/24/2008	80	OPHOS-080124A	
E-10139	HYDROGEN ION (pH)	7.04			pH Units	1.0	5M4500-H+ B	1/24/2008	MAK	PH_080124	
E-10617	TURBIDITY	8.06	0.05	0.02	NTU	1.6	180.1	1/24/2008	MAK	TURB_080124	
E-10184	ELECTRICAL CONDUCTIVITY	287	10	10	uS/cm	1.0	SM2510 B	1/25/2008	CON	EC_080125	
E-11778	HARDNESS	103	3.30	0.055	mg CaC	(1, 0	200.7	1/29/2006	B)	200,7-060129A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	0.8		mg/L	1.0	SM6220 D	2/1/2006	MAK	COD_966291	
Lab Nur	nber: 2125 Sarr	ple Descript	ion: L-3 -	L-3 obs we	ll .			Sampl	e Date:	1/23/2008	
CAS ID#	Analyte	Result	PQL	MOL	Units	DF	Method	Analyzed	Analy	et Batch	Contine
14797-55-8	NITRATE-N	2.86	0.01	0.0009	mg/L	1.0	SM4500-NO3	F 1/25/2004	80	NOSNO2490125	
E-10173	TOTAL DISSOLVED SOLIDS	124	10	10	mg/L	1.0	SM2540 C	U25/2008	CCN	TDS_080126	
16887-00-6	CHLORIDE	3.2	1,0	0.143	mg/L	10.0	300.0	1/24/2000	BJ.	I080124A	
14265-44-2	ORTHO-PHOSPHATE	0.30	0.01	0.005	mg/L	1.0	\$M4500-P F	1/24/2006	80	OFFICE 490124	
E-10139	HYDROGEN ION (pH)	7.14			pH Unit	5 1.0	SM4500 -H+ B	1/24/2006	MAK	PH_060124	
E-10617	TURBIDITY	13.9	0.05	0.02	NTU	1.0	180.1	1/24/2008	MAK	TURB_080124	•
E-10184	ELECTRICAL CONDUCTIVITY	187	10	10	uS/cm	1.9	SM2510 B	1/25/2008	CCN	EC_080126	· .
E-11778	HARDNESS	61.9	3.30	0.055	mg Ca()(sp	200.7	1/29/2008	BJ	200.7-000129A	•
							SM5220 D		MAK	COD_080201	

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

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

WSDOE Lab C1251 WSDOH Lab 046

D.F. - Dilution Factor



Lab ID #: Washington State ID::

EPAID#:

M1873 WA 01177

Telephone: (509) 522-3775

Fax: (509) 529-9681

Date: **

581 Mill Creek Road

Walla Walla, WA 99362

Walla Walla Basin Watershed Council

Zip Code:

Amount Due: \$175.00

Sampler:

System ID / Name:

Bob Bower \ T.Baker

invoice Number:

P.O. Box 68

Date Collected:

2/13/08

City:

Milton-Freewater

Date Analyzed:

2/13/08

State:

OR

97874

Lab Analyst:

Skitstad

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

	Method 9222D	er i swijer i stalijewski i	and refresh programme, and
Sample ID #1	Results	Units /	Lab Number
Locher Rd-1	0.0	CFLFs / 100 mL	143-05243
Sample ID #2	Results	Units	Leb Number
Locher Rd-2	0.0	CFU's / 100 mL	143-05244
Sample ID #31.	Results	Units 40 446	Lab Number
Locher Rd-3	0.0	CFU's / 100 mL	143-05245
Sample ID #4	Results	Units (1967)	Lab Number
That workship I was		CFU's / 100 mL	143-05246
Sample ID #5	Results	Units 3 22	Lab Number
- Поприсомальная — — — — — — — — — — — — — — — — — — —		CFU's / 100 ml.	143-05247
Sample ID #8	Results	man as Units	Lab Number
	9	CFU's / 100 mi.	143-05248
Sample ID #7	Results	Units	Lab Number
LAW GENERAL STATE OF THE STATE		CFU's / 100 mL	143-05249
The second secon		-	

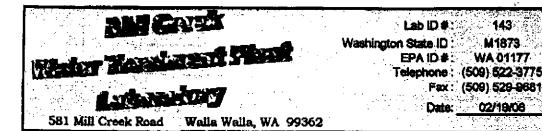
The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report, Records may be destroyed after that .

Signature Lab Director:

Tom Krels

2-14-08

(date)



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

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

gradus in the restriction of the profession of the	Method 9223B	47 年 41. 6 17 4 [弘] 李邦[g-4	
Sample ID #1	Results		Lab Humber
Locher Rd-1	Absence	Presence / Absence	143-05236
Sample ID #2	Results	Units (Cons.)	Lab Number
Locher Rd-2	Presence	Presence / Absence	143-05237
	Tatel Colif	orm Present / E-Coli Absent_)	Present
Sample ID #3	Results	Units (color	Lab Number
Locher Rd-3	Presence	Presence / Absence	143-05238
	Total Colif	on: Present / E-Coli Absent_X	Present
Sample ID #4	Results	Units	Lab Number
Stall Marks 1	- Phone	Precence / Absence	143-05239
Sample ID #5	Results	Units	Lab Number
tall Wasters	4	Presence / Absence	143-05240
	Total Colife	orm Present / E-Coli Absent_x	Present
Sample ID #6	Results	Units (19 mile)	Lab Number
	**	Presence / Absence	143-05241
Sample ID #7	Results	Units	Lab Number
	T	Presence / Absence	143-05242
	Total Colife	orm Present / E-Coli Absent	Present X

The City of Walta Walta's Milt Creek Water Treatment Laboratory will maintain records pertaining to reconstructing ctiont's data for a minimum of two years from the data of insuance of the final report. Records may be destroyed after that.

Signature Lab Director:

Tom Kuli

2-14-08

(date)

County



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

COLIFORM BACTERIA ANALYSIS

T instructions are not followed, sample will be rejected.						
Date Sample Collected	Time Sa		County			
9-11-2108	Collec	ted CCCAM				
Month Day Year	<u> </u>	Ļ □ PM				
Type of Water System (che	ck only one bo					
☐ Group A Public ☐ Group B Public			vate Household			
Group A and Group B Syste	eneDenvido	,				
D#	HIS THUMB	HORI WANTE	racillus inventory (VYFI):			
System Name:						
Contact Person:	2 (2-)	سلاملا				
)ay Phone: (54-1) (23)			one: (509) 530 - 3534			
ve. Phone: ()		FAX. ()			
send results to: (Print full na	me, address :		e)			
CALIADIALIA	BASIN	LIATE	PAIGO COUNCIL			
BIO.S. WAL	1 (1	_	× 68			
			-X60			
JUTON-FOCE						
	SAMPLE IN	FORMAT	ION			
ample collected by (name):	f	- 0	40			
Inscific legation where come	ا محاله ما		sample site, and type of faucet):			
		adoress or	sample site, and type of faucet):			
pecial instructions or comm						
	,		·			
ype of Sample (must check		cof#1throu	igh #4 listed below)			
. Routine Distribution \$	Sample .		eat Sample (follow-up			
rovide information below. hlorinated: Yes No			n unsatisfactory sample) iformation below.			
	Free		ctory routine lab number:			
. Raw Water Source Sa		}				
required for Surface Water, (Unsatisfa	ctory routine collect date;			
	Total Colilorn		J			
Jolic Systems must provide Source No	Fecal Coliform	Chlorinate				
			lesidual: Total Free			
. Sample Collected for I	nformation C	nly	OΔ			
onstructionRepairs	Priv	ate Reside	nceOther_FT			
	52					
Satisfactory Total Coliform Absent		tisfactory				
ioda dollo ilivi bobili	DKE.coli	present	Present and Ecoli absent			
			esent 🔘 Fecal coliform absent			
Replacement Sample Rev	quired	_				
ample not tested because:			able because:			
Sample tod old (>30 hours) Improper container		∐ TINTÇ □ Tumbidç	ulture			
		<u> </u>	WIOT -			
acterial Density Results: Pla	te Count	/m/.	. E.coli/100ml.			
tal Coliform/10	00m!, Fec	al Coliform				
ICR Method Code:		Date and	Time Received:			
□ 1140 □ 1340 Ď	(2720	2/12	JOR B FM			
ate Analyzed: 1/13/05						
	(3)	Date Repo	orted: 2/10/OR			
b/Sample Number	<u>@</u>	Date Repo	orted: 2/10/08			
b/Sample Number 143- 05242	<u>(3)</u>		orted: 3/11/08			

CITY OF

MILL CREEK WATER TREATMENT PLANT 581 Milli Creek Road • Walla Walla, WA 98362 Phone 509/522-3775 • Fax 509/329-9681

Time Sample

Date Sample Collected

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

Collected AM Month Day Year S : 10 PM	-
Type of Water System (check only one box) ☐ Group A Public ☐ Private Household ☐ Group B Public ☐ Other ☐ Cher	
☐ Group A Public ☐ Private Household ☐ Group B Public ☐ Other ☐ ASE	
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):	
IP4	٦
System Name:	
Contact Person: GOB BOWER	\dashv
Day Phone: (CAL) 938-3170 Cell Phone: (F)9) 530-353	ᅿ
Eve. Phone: () FAX: ()	ᅰ
Send results to: (Print full name, address and zip code)	
WALLAWALLA ELSIN WATERSHED CONCIL	-
810 S. MIN P.D. BOX 68	.
MILTON-ESCENDER OR 97863	ᅴ
SAMPLE INFORMATION	_
Sample collected by (name):	•
Specific location where sample collected (address or sample site, and type of fauce	ᅴ
L-1	
Special Instructions or comments:	.]
	' -
Type of Sample (must check only one box of #1 through #4 listed below)	ो
1. ☐ Routine Distribution Sample 2. ☐ Repeat Sample (follow-up to an unsatisfactory temple)	
Provide information below. to an unsatisfactory sample) Chlorinated: YesNo Provide information below.	
Chlorine Residual: Total Free Unsatisfactory routine lab number:	
3. Raw Water Source Sample	_1
Required for Surface Water, GWI, and some Spring Sources) Total Colomn	1
S Chlorinated: Yes No.	1
Public Systems must provide Source Number from (WFI) Chlorine Residual: Total Free	
4. Sample Collected for Information Only	╗
ConstructionRepairsPrivate ResidenceOtherMEC	
	۹
☐ Satisfactory ☐ Unsatisfactory Total Coliform Absent ☐ Total Coliform Present and	
□ E.coli present □ E.coli absent	-
☐ Fecal coliform present ☐ Fecal coliform abset	nt
☐ Raplacement Sample Required	1
Sample not tested because: Test unsuitable because:	
☐ Sample too okit (>30 hours) ☐ TNTC ☐ Improper container ☐ Turbid culture	
Durbon Oracle Date Court	ᆋ
Bacterial Density Results: Plate Count/ml, E.coli/100ml, Total Coliform/100ml. Fecal Coliform/100ml.	
	ヿ
MICR Method Code: Date and Time Received:	
l	αĹ
□ 1140 □ 1340 □ 2720 □ 1/3 ○ 1 □ 2/6 □ 1340 □ 2720 □ 1/3 ○ □ 1/3 ○ □ 1/3 ○ □ 1/4 ○ □	
Date Analyzed: 3/13/08 © Date Reported: 3/14/08	4



MILL CREEK WATER TREATMENT PLANT.

581 Mill Creek Road · Walla Walla, WA 99362
Phone 509/522-3775 · Fax 509/529-9881

COLIFORM BACTERIA ANALYSIS
SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD (

Date Sample Collected			will be rejected.
anne cambie chilected	Time :	Sample	
1 2/13/08		ected	County
	9 ,	/ 50 AM	
- ", "=+1	<u> </u>	<u> </u>	_
Type of Water System (chec	at only one i		
Group B Public		□ Priv	ate Household
		C Oth	
Group A and Group B System	ms – Provide	e from Water	Facilities Inventory (WFI):
"		_	
System Name:			
Contact Person: 1306	3 /201	175-5	
Day Phone: (541) 931	2 2 2 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1		
Eve. Phone: ()	V - A-1-1	FAX:	ne: (509) 570-3534
Send results to: (Print full nar	To orldrass	and six and	, }
LIMALA LANKER	x2 y	and ab code	,
MAINT THELT	<u></u>	177 TT	HELSHED (DUNCTO
810 S. NAU	7 6	0.60	x68
MILLON-FRE	Z i . i . i . i	ميلين، ماليان. دام وي	
			CIC 3 4059
	Sample (NFORMATIO	ON NC
Sample collected by (name):			
-Pra Prive	· /	D 72	V = 0
Specific location where sample	e collected (address or se	mple site, and type of faucet):
_ 1 - 3		,400,000,00	without size, date table of lancati.
Special instructions or comme	nte-		
			
Type of Sample (must check of	nik oga bos	of #1 Herry	Little Consideration of the Constant of the Co
4 FT Baseline Brands at an	ony one bo	I .	T.
 I.□ Routine Distribution Sa Provide information below. 	mple	2. □Repe	at Sample (follow-up
Chlorinated: YesNo		to an	unsatisfactory sample)
	ree	Provide info	rmation below.
3. Raw Water Source Same	nia	Oussusiaci	ry routine lab number:
Required for Surface Water, GV	vie Viand		
SOME Spring Sources	lai Coliform	Unsatisfacto	ry routine collect date:
1 9: 1 1			!
Public Systems must provide Source Numb	ai Collium	Chlorinated:	YesNo
date Systems mast browds source night	Der Brown (WVFI)	Chlorine Res	idual; Total Free
4. 8 Sample Collected for Inf	ormation O		
ConstructionRepairs_			
		ete Resideno	eOther_PA;
Topars_			eOther_ <u>PA</u>
Tropans_			eOther_PA.
3 Satisfactory	Priva	ate Residenc	eOther_PA
Published	Priva SVUnsat Total (ate Residence tisfactory Coliform Pre	
3 Satisfactory	Friva S\Unsat Total (tisfactory Coliform Pre	sent and
Satisfactory Total Coliform Absent	Priva	tisfactory Coliform Pre	
3 Satisfactory	Priva	tisfactory Coliform Pre	sent and
Satisfactory Total Coliform Absent Replacement Sample Requirement leads to because	Priva SUnsai Total (E.coli p Fecal o	tisfactory Coliform Pre resent coliform prese	isent and DEcoli absent int C Fecal coliform absent
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 fours)	Five Private P	tisfactory Coliform Present coliform present	isent and DEcoli absent int C Fecal coliform absent
Satisfactory Total Coliform Absent Replacement Sample Requirement leads to because	Five Private P	tisfactory Coliform Present coliform present coliform present	sent and DE coli absent int Pecal coliform absent e because:
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 hours) Improper container	Vunsar Total (E.coli p Fecal o	isfactory Coliform Present coliform present coliform present and unsuitable	sent and DE coli absent int Pecal coliform absent e because:
Satisfactory Total Coliform Absent Reptacement Sample Requirable not tested because: Sample too old (>30 hours) Improper container acterial Density Results: Plate (Vunsar Total (E.coli p Fecal o	isfactory Coliform Present coliform present coliform present and unsuitable	sent and DEcoil absent int Decal coliform absent because:
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 hours) Improper container	SKUnsar Total (DE.coti p Fecal c	tisfactory Coliform Present coliform present coliform prese	sent and DEcoli absent int Decal coliform absent because: re
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 hours) Improper container acterial Density Results: Plate (Fecal count	tisfactory Coliform Present coliform prese est unsuitable TNTC Turbid cuttur /ml. E	sent and DEcoli absent int Decal coliform absent because: re coli/100ml,
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 hours) Improper container acterial Density Results: Plate (atal Coliform/100m	SKUnsat Total (E.coli p Fecal c red Count II. Fecal	tisfactory Coliform Present coliform present Tinto Turbid cultur /ml. & Coliform Date and Tim	sent and DE coli absent int D Fecal coliform absent because: re coli/100ml, le Received:
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 hours) Improper container acterial Density Results: Plate 0 btal Coliform/100m ICR Method Code: 1140	Fecal of Total (Count In Fecal of Total (Count In Fecal of Total o	tisfactory Coliform Present coliform present Tinto Tinto Turbid cultur /ml. E Coliform Date and Tim	sent and DE coli absent int C Fecal coliform absent because: re coli/100ml, re Received:
Satisfactory Total Coliform Absent Replacement Sample Requir ample not tested because: Sample too old (>30 hours) Improper container I acterial Density Results: Plate (>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Fecal of Total (Count In Fecal of Total (Count In Fecal of Total o	tisfactory Coliform Present coliform present Tinto Turbid cultur /ml. & Coliform Date and Tim	sent and DE coli absent int C Fecal coliform absent because: re coli/100ml, re Received:
Satisfactory Total Coliform Absent Replacement Sample Requi ample not tested because: Sample too old (>30 hours) Improper container acterial Density Results: Plate 0 btal Coliform/100m ICR Method Code: 1140	Fecal Count	tisfactory Coliform Present coliform present Tinto Tinto Turbid cultur /ml. E Coliform Date and Tim	sent and DE coli absent int C Fecal coliform absent because: re coli/100ml, re Received:
Satisfactory Total Coliform Absent Replacement Sample Requir ample not tested because: Sample too old (>30 hours) Improper container I acterial Density Results: Plate (>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Fecal Count	isfactory Coliform Present coliform present TNTC Turbid cultu //ml. E Coliform Date and Tim Date Reporte	sent and DE coli absent int C Fecal coliform absent because: re coli/100ml, re Received:

300 8331-319 (WHEEL SOE) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF PERSON TO



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COLIFORM BACTERIA ANALYSIS

•													_	
MPLE	COL	LECT	ON: I	READ	INST	RUCT	PHÓ	ON E	ACK	OF	GOLC	XEN R	00	COPY

H instruction	s are not followed, same	ie will be rejected.
Date Sample Collected J. 13 CB Month Day Year Type of Water System (chec		County nivate Household
☐ Group A Public ☐ Group B Public	Ž C	ther
ID# System Name:	. —— —— uis — i-lipaiga notu saar	G LSCT-1002 HAGEBOOK (AALI).
Contact Person: BOB Day Phone: (511) Q35 Eve. Phone: ()	POLICE CONFAX:	thone: (503) 530 - 3534
	RIGHT MAN	OX 63 SKANSO CONCIL ONE)
MURL REGE	White, C	P. 97869-
	SAMPLE INFORM	ATION
Specific location where same	iple collected (address	or sample site, and type of faucet):
Type of Sample (must che	ck only one box of #1 to	rough #4 listed below)
Routine Distribution Provide information below. Chlorinated: Yes No. Chlorine Residual: Total	Sample 2. D	Repeat Sample (follow-up to an unsatisfactory sample) le information below. isfactory routine lab number:
l	GWI, and Unsat	isfactory routine collect date:
Public Systems must provide Source	CIMUN	nated: Yes No ne Residual: Total Free
4.73 Sample Collected fo	r Information Only	
R Satisfactory Total Coliform Absent AB SENT	☐ E.coli preser	rm Present and
Replacement Sample	Required	

R Satisfactory Total Coliform Absent AB SGVT	□ Unsatisfactory Total Coliform Present and □ E.coli present □ E.coli absent □ Fecal coliform present □ Fecal coliform absent
Replacement Sample Requi	red
Sample not tested because: Sample too old (>30 hours) Improper container	Test unsuitable because: TNTC Turbid culture
Bacterial Density Results: Plate	Count/ml. E.coll/100ml.
Total Coliform/100a	ml. Fecal Coliform/100ml,
MICR Method Code: ☐ 1140 ☐ 1340 ☐ 5x;2	Date and Time Received:
Date Analyzed: 3/13/09	Date Reported: DIU/02
Lab/Semple Number	Lab Use:
143- 05239	



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 DOS

Il Instructions a	re not t	ollowed, sample	will be rejected.
Pare pample collected	Time	Sample	County
3/08	₹ Ç0	liected AM	- County
Month Day Year		U ⊟ pu	
Type of Water System (check or	niy one	box)	
☐ Group A Public ☐ Group B Public			ate Household
~	Desid	SX Oth	erARR
Group A and Group B Systems - ID#	- Prove	de from Water	Facilities Inventory (WFI):
System Name:		_	
Contact Person: Por	2	· ·	<u> </u>
Day Phone: (C41) 938-0	ىيد	<u>د کر ج</u> حال ۵-۳۵۱	
Eve. Phone; (117	FAX:	ne: (509) 530 - 3534
Send results to: (Print full name,	arMres	FAX.(
WALLAWAYA BAS	الد	and zip code	, . A
SIM S. L. A. I	ע ניגו	THE CHEST	400 COOUT
2105 MAIN_	_P.9	Y ROX	68
WILTON-FREEL	180	<u>58</u>	X 97860
SAN	IPLE I	NFORMATIC	
Sample collected by (name):		,	
- 608 Pauce	<u>/</u>	TIBA	الالاجك
specific location where sample col	lected	(address or sa	mple site, and type of fauget):
special instructions or comments:			
ype of Sample (must check only	one b	v of #4 then	Maria Maria
. Routine Distribution Sample			
rovide information below.	•	2. UKepea	t Sample (follow-up
hlorinated: Yes No		Provide info	msatisfactory sample) mation below.
hlorine Residual: Total Free		Unsatisfacto	ry routine lab number:
Raw Water Source Sample aquired for Surface Water, GWI, at			
IME Shring Sources		Unsatisfactor	ry routine collect date:
\$ 1 10000 COM		/_	
→ Fecal Col Sic Systems must provide Source Number from	MDATT TO ANGEO	Chlorinated: '	
		Chlorine Resid	dual: Total Free
Sample Collected for Informa	rtion C	haly	
restructionRepairs	Priv	ate Residence	OtherPA
¹ Casing - 4			
Total Coliform Absent	Unsa	disfactory	
•	lotai⊹ Faa‱	Coliform Pres	
AVASSI I	E.CON Fecal (present	☐ E.coli absent It ☐ Fecal coliform absent
Replacement Sample Required		Joinorn present	T Pecat comorm absent
nple not tested because:	-	·	
iample too old (>30 hours)	Ç	est unsuitable TNTC	because:
mproper container		Turbid culture	;
terial Density Results: Plate Count	<u></u> - <u>-</u> -	 -	
		/ml. E.c	coli/100ml,
R Method Code:		Coliform	/100ml.
7 4440	1	Date and Time	Received:
Acchange 1 1 C	_	<u>ع ا ١٦/٥</u>	1 (4) C
	<u> </u>	Date Reported:	3/14/08
Sample Number	Į.	ab Use;	Ţ
43- 05236			
	Ī		1

#331-319 (MANAGE SEE DEVENOY OF CO. . . .





MILL CREEK WATER TREATMENT PLANT 581 Mill Creek Road • Wells Walls, WA 99362 Phone 509/522-3775 • Fax 509/523-9681

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						
	Time San	iple	County			
113/08	Collecte	d.:				
Month Day Year	ð 40	PM				
Type of Water System (check of	yoly one box					
☐ Group A Public	will drie box		rate Household			
☐ Group B Public		□ Ott				
Group A and Group B Systems	- Provide fr	om Water	Facilities Inventory (WFI)			
ID#	. Liberard II	ÇIII VIÇILLI	r desired involvery (*** 17.			
System Name:						
	Oak	2 A				
Contact Person: 66	<u> </u>		- A . 600 3			
Day Phone: (54-1) 938 _	NIO.		one: (50 <u>4) 590-3534</u>			
Eve. Phone: () FAX: ()						
Send results to: (Print full name, address and zip code)						
halia walla	BASIN	4 <u>W</u>	17585HED COULUCU			
SID S. WALL	20	. Box	(6 2)			
MUDDN-FREE			DR 97860			
MINON INCL	W-7-1C		3,000			
3.	AMPLE IN	FORMAT	TION :			
Sample collected by (name):	1	_				
BOB BOWER	-/T.	<u> </u>	<u> </u>			
Specific location where sample	collected (a	ddress or	sample site, and type of faucet):			
Ĺ· →						
Special instructions or commer	nts:					
Chlorine Residual: Totali 3.□ Raw Water Source Sam			actory routine lab number:			
S	otal Coliform scal Coliform niber from (WEI)	Chlorina Chlorine	red: Yes No Residual: Total Free			
some Spring Sources) To S To Public Systems must provide Source Num 4. 54 Sample Collected for In	otal Coliform ecal Coliform other from (WEI)	Chlorina Chlorine Only	red: Yes No Residual: Total Free			
some Spring Sources) To	otal Coliform ecal Coliform other from (WEI)	Chlorina Chlorine	red: Yes No Residual: Total Free			
some Spring Sources) To S To Public Systems must provide Source Num 4. 54 Sample Collected for In	otal Coliform ecal Coliform other from (WEI)	Chlorina Chlorine Only	red: Yes No Residual: Total Free			
some Spring Sources) To S Public Systems must provide Source Nurr 4. 54 Sample Collected for In Construction Repairs_	otal Coliform acal Coliform aber from (WEI) formation C	Chlorina Chlorine Only vate Resid	red: Yes No			
some Spring Sources) To S To Public Systems must provide Source Num 4. 54 Sample Collected for in Construction Repairs	otal Colforn acal Colforn ober from (WEI) oformation C	Chlorina Chlorine Only vate Resid	red: Yes No Residual: Total Free lence Other PA			
some Spring Sources) To S Public Systems must provide Source Num 4. 54 Sample Collected for In Construction Repairs_	otal Coliform acal Coliform abort from (WFI) fromation C Priv Unsa	Chlorina Chlorine Inly rate Resid	ry Present and			
some Spring Sources) To To Source Systems must provide Source Num 4. 54 Sample Collected for in Construction Repairs	otal Coliform acal Coliform abor from (WFI) formation C Priv Unsa	Chlorina Chlorine Only ate Resident atisfacto Coliforni present	ry Present and			
some Spring Sources)	otal Colform acal Coliform interfrom (WFI) formation C Priv Total E.cot Fecal	Chlorina Chlorine Only ate Resident atisfacto Coliforni present	ry Present and			
some Spring Sources)	otal Colform acal Coliform interfrom (WFI) formation C Priv Total E.cot Fecal	Chlorina Chlorine Inly vate Resident attisfactor Coliform present coliform	red: Yes No Residual: Total Free lence Other PA lence Other PA lence Other PA lence Other PA lence Other PA lence Other PA			
some Spring Sources)	otal Colform acal Coliform interfrom (WFI) formation C Priv Total E.cot Fecal	Chlorina Chlorine Inly vate Resident attisfacto Coliform present coliform	red: Yes No Residual: Total Free lence Other PA lence Other PA Present and PE.coli absent present Fecal coliform absent			
some Spring Sources)	otal Colform acal Coliform interfrom (WFI) formation C Priv Total E.cot Fecal	Chlorina Chlorine Inly vate Resident attisfactor Coliform present coliform	red: Yes No Residual: Total Free lence Other PA Other PA Present and PE.coli absent present Fecal colliorm absent			
some Spring Sources)	otal Colform acal Coliform interfrom (WFI) formation C Priv Total E.cot Fecal	Chlorina Chlorine Inly rate Resid	red: Yes No Residual: Total Free lence Other PA Other PA Present and PE.coli absent present Fecal colliorm absent			
some Spring Sources)	otal Coliform acal Coliform abor from (WFI) formation (Priv Total E.col Fecal	Chlorina Chlorina Chlorine Inly rate Resid atisfacto Coliform present coliform Test unsu	red: Yes No Residual: Total Free lence Other PA Other PA Present and PE.coli absent present Fecal colliorm absent			
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some Spring Sources)	acal Coliform acal Coliform abor from (WFI) fromation 0 Privation C C C C C C C C C C C C C	Chlorina Chlorine Inly vate Resid attisfacto Coliform present coliform Test unsu Trutoi	red: YesNo			
some Spring Sources)	acal Coliform acal Coliform acal Coliform and Coliform an	Chlorina Chlorine Inly vate Resid attisfacto Coliform present coliform Test unsu Trutoi	red: YesNo			
some Spring Sources)	acal Coliform acal Coliform abor from (WFI) fromation 0 Privation C C C C C C C C C C C C C	Chlorina Chlorina Chlorine Dnly vate Resid atisfactor Coliform Test unsur Date ar Date ar	red: YesNo Residual: TotalFree lenceOther PA lenceOther PA Present and PE.coli absent present □ Fecal coliform absent litable because: d culture ml. E.coli/100ml. m/100ml. ad Time Received: 2/08 ② 100 pl.			
some Spring Sources)	acal Coliform acal Coliform acal Coliform and Coliform an	Chlorina Chlorina Chlorine Dnly vate Resid atisfactor Coliform Test unsur Date ar Date ar	red: YesNo			

DOH FORM #331-319 product 508 SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

143-05237



MILL CREEK WATER TREATMENT PLANT 581 Mili Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-8661
COLIFORM BACTERIA ANALYSIS

IPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY If Instructions are not followed, sample will be rejected.								
Date Sample Collected	Time S							
2/13/08	Collec	ded	County					
Month Day Year	8 40	¬` ጆ (₩						
Type of Water System (chec	k only one ho							
□ Group A Public	want and for		ate Household					
☐ Group B Public		☐ Oth	er					
Group A and Group B Syster	ns – Provide	from Water	Facilities Inventory (WFt):					
ID#								
System Name:								
Contact Person: 1306	CONT	خ						
Day Phone: (54() 938	- 713O		ne:(509) 570-3534-					
Eve. Phone: ()		FAX. (1					
Send results to: (Print full nar	ne, address :	and zip code	2)					
WALLA WALLA	BASIN	WASTE	scentes council					
310 S. MAIN								
LUDY-FROM	ACKALLE	<u> </u>	<u>C. 97869</u>					
	SAMPLE IN	FORMAT!	ON					
Sample collected by (name):	/							
BOB BOWER		BALL						
Specific location where sample	e collected (a	address or s	ample site, and type of faucet):					
Special instructions or comme	ents:	•••						
			·- <u></u>					
Type of Sample (must check	only one box	of #1 throu	ch #4 lietad halow)					
1.□ Routine Distribution Sa		1	· 1					
Provide information below.	n schus		est Sample (follow-up ı unsatisfactory sample)					
Chlorinated: Yes No			omation below.					
Chiorine Residual: Total	Free		tory routine lab number:					
3. TRaw Water Source Sam			·					
Required for Surface Water, G some Spring Sources)		Unsatisfac	tory routine collect date:					
, · · · · · · · · · · · · · · · · · · ·	otal Coliforni	/	1					
	ecal Coliform	Chlorinated	: Yes No					
'ublic Systems must provide Source Num	aber from (MFI)		esidual: Total Free					
Sample Collected for In	formation O	hily						
constructionRepairs_		ate Residen	ce Other_///FC					
	-							
3 Satisfactory	Utines	tisfactory						
Total Coliform Absent		Coliform P	resent and					
	☐ E.coli	present	☐ E.coli absent					
•		andiform are	sent 🗆 Fecal coliform absent					
		CONHOLINI DES						
Replacement Sample Requ		CARLOTTI JAB						
ample not tested because:	ired	lest unsuitai	ble because:					
ample not tested because: Sample too old (>30 hours)	ired [Test unsuitai	ble beçause:					
ample not tested because:	ired [lest unsuitai	ble beçause:					
ample not tested because: Sample too old (>30 hours) Improper container cterial Dansity Results: Plate	aired	Test unsuita ☐ TNTC ☐ Turbid cu ☐/ml.	ble because: iture E.coli/100ml,					
ample not tested because: Sample too old (>30 hours) Improper container acterial Dansity Results: Plate that Coliform	aired	Test unsuita TNTC Turbid ou (ml.	ble because; iture E.coli/100ml,					
ample not tested because: Sample too old (>30 hours) Improper container acterial Dansity Results: Plate stal Coliform	aired	Test unsuita TNTC Turbid cu Indicate from In	ble because: iture E.coli /100ml. ime Received:					
ample not tested because: Sample too lot (>30 hours) Improper container acterial Dansity Results: Plate Mail Coliform	e Count	Test unsuita TNTC Turbid out /ml. al Coliform Date and 1	ble because: ture					
ample not tested because: Sample too lot (>30 hours) Improper container acterial Dansity Results: Plate Mail Coliform	aired	Test unsuita TNTC Turbid cu Indicate from In	ble because: iture E.coli /100ml, O /100ml. ime Received: O 8 Ø / PM					

om #331-319 (revised 508) | SEE REVERSE OF ABBERT CORV. COR. C....



Date Sample Collected

CITY OF



County

MILL CREEK WATER TREATMENT PLANT MILL CREEK WATER TREATMENT PLANT
S81 MILL CREEK WATER TREATMENT PLANT
S81 MILL CREEK WATER TREATMENT PLANT
S81 MILL CREEK WATER TREATMENT PLANT
FROM S08/622-3775 • Fex 509/529-9681
COLIFORM BACTERIA ANALYSIS
SAMPLE COLLECTION: READ INSTRIUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Time Sample

5 1 12 / 15	Collecte	d	
→ 13/08 (Month Day Year	2 14	Z AM PN	
Type of Water System (check or	nly one box)	· · · · ·	
☐ Group A Public ☐ Group B Public		☐ Priv	rate Household
Group A and Group 8 Systems	- Provide fo	om Water	Facilities Inventory (WFI):
1D#			
System Name:	-		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BOW		
Day Phone: (5석) 역3용 -	<u>-≥170</u>		one: (509) 530 -3534
Eve. Phone: () Send results to: (Print full name		FAX: (
			MERSHED ADLINCI
	20		
MILION-FREE	WACE	R. 1	X 97862
S	AMPLE IN	FORMA	TION
Sample collected by (name):	Ī		
Box Bours	1.		use
Specific location where sample	collected (a	iddress o	r sample site, and type of faucet);
Special instructions or commen	nts:		
Type of Sample (must check o	niv one bo	of#1 thr	ough #4 listed below)
1. Routine Distribution Sa		1	epeat Sample (follow-up
Provide information below.	- colored		an unsatisfactory sample)
Chlorinated: Yes No		Provide	information below.
Chlorine Residual: Total	Free	Unsalis	factory routine lab number:
3. Raw Water Source Sam Required for Surface Water, Grand Series Sources	WI, and	Unsatis	factory routine collect date:
	otal Coliform		
Public Systems must provide Source Nut			ated: Yes No e Residual: Total Free
4. X Sample Collected for in	normation		
Construction Repairs		ivate Resi	idenceOther_N_FC_
			T symmetric feet as a
☐ Satisfactory		attefact	
Total Coliform Absent		H	m Present and
	☐ Fec	al coliform	present Fecal coliform absent
Replacement Sample Rec	puired		
Sample not tested because:			sultable because:
☐ Sample too old (>30 hours) ☐ Improper container		TMT⊡ Turk	C : : : : : : : : : : : : : : : : : : :
☐ Improper container			AL CARACIT
Bacterial Density Results: Pla	ate Count_		/ml. E.coli/100ml
Total Coliform/1	00ml. F	ecal Colif	orm/100ml.
MICR Method Code: (전 1140 ☐ 1340 ☐	2720	Date	and Time Received: 80 DIA
Date Analyzed: 3/17/2	g (CS	Date	Reported: 3 14 0%
Lab/Sample Number	·) (4-4	Labi	Jse:
143- 05245			
		ــــــــــــــــــــــــــــــــــــــ	OPY FOR EXPLANATION OF RESULTS



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 360.671.0688 • 360.671 1577/av

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,

Lawrence J Handerson, PhD Director of Laboratories

Enclosures Data Report QC Reports Chain of Custody



Burlington WA Corporate Office

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Bellingham WA

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Page 1 of 3

Data Report

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Report Date: 3/7/2008

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC

Collected By: T Baker/L Lewis

Date Received: 2/14/2008

Peer Review:

		•									
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comme
14797-55-8	NITRATE-N	5.55	0.100	0.015	mg/L	1.0	300.0	2/15/2008	₿J	1080215	
E-10173	TOTAL DISSOLVED SOLIDS	236	10	10	mg/L	1.0	SM2540 C	2/18/2008	CCN	TDS_080218	
16887-00-6	CHLORIDE	5.6	0.1	0.0143	mg/L	1.0	300.0	2/15/2008	BJ	1080215	
14265-44-2	ORTHO-PHOSPHATE	0.36	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	\$O	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	7.13			pH Units	1.0	SM4500-H+ B	2/14/2008	MAK	PH_086214	
E-10617	TURBIDITY	44.4	0.10	0.04	NTU	2.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	384	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_080215	
E-11778	HARDNESS	154	3.30	0.055	mg CaC	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: 4100 Sample Description: L-2 - Locher Well #2 Sample Date: 2/13/2008											
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comme
CAS ID# 14797-55-8	Analyte NITRATE-N	Result	PQL 0.100	MDL 0.015	Units mg/L	DF 1.0	Method 300.0	Analyzed	Analys	t Batch	Comme
	<u> </u>							<u> </u>			Comme
14797-55-8	NITRATE-N	3.5	0.100	0.015	mg/L	1.0	300.0	2/14/2008	ВЈ	1080214A	Comme
14797-55-8 E-10173	NITRATE-N TOTAL DISSOLVED SOLIDS	3.5 196	0.100	0.015 10	mg/L mg/L	1.0 1.0	300.0 SM2540 C	2/14/2008	BJ	1080214A TDS_080218	Comme
14797-55-8 E-10173 16887-00-6	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE	3.5 196 5.5	0.100 10 0.10	0.015 10 0.0143	mg/L mg/L mg/L	1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0	2/14/2008 2/18/2008 2/14/2008	BJ CCN BJ	1080214A TDS_080218 1080214A	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE	3.5 196 5.5 0.33	0.100 10 0.10	0.015 10 0.0143	mg/L mg/L mg/L mg/L	1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F	2/14/2008 2/18/2008 2/14/2008 2/14/2008	BJ CCN BJ SO	1080214A TDS_080218 1080214A OPHOS-080214A	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH)	3.5 196 5.5 0.33 7.07	0.100 10 0.10 0.01	0.015 10 0.0143 0.005	mg/L mg/L mg/L mg/L pH Units	1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008	BJ CCN BJ SO MAK	1080214A TDS_080218 1080214A OPHOS-080214A PH_080214	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10617	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY	3.5 196 5.5 0.33 7.07 8.65	0.100 10 0.10 0.01 0.05	0.015 10 0.0143 0.005	mg/L mg/L mg/L mg/L pH Units	1.0 1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B 180.1	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008	BJ CCN BJ SO MAK MAK	I080214A TDS_080218 I080214A OPHOS-080214A PH_080214 TURB_080214	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10617 E-10184	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY ELECTRICAL CONDUCTIVITY	3.5 196 5.5 0.33 7.07 8.65 284	0.100 10 0.10 0.01 0.05 10	0.015 10 0.0143 0.005 0.02	mg/L mg/L mg/L mg/L pH Units NTU uS/cm	1.0 1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B 180.1 SM2510 B	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008	BJ CCN BJ SO MAK MAK CCN	I080214A TDS_080218 I080214A OPHOS-080214A PH_080214 TURB_080214 EC_080215	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10617 E-10184 E-11778	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY ELECTRICAL CONDUCTIVITY HARDNESS	3.5 196 5.5 0.33 7.07 8.65 284 111.7	0.100 10 0.10 0.01 0.05 10 3.30	0.015 10 0.0143 0.005 0.02	mg/L mg/L mg/L mg/L pH Units NTU uS/cm mg CaCC	1.0 1.0 1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B 180.1 SM2510 B 200.7	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008 2/15/2008 2/18/2008	BJ CCN BJ SO MAK MAK CCN	1080214A TDS_080218 1080214A OPHOS-080214A PH_080214 TURB_080214 EC_080215 200.7-080218A	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10617 E-10184 E-11778 E-10117	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY ELECTRICAL CONDUCTIVITY HARDNESS CHEMICAL OXYGEN DEMAND BROMATE	3.5 196 5.5 0.33 7.07 8.65 284 111.7	0.100 10 0.10 0.01 0.05 10 3.30 8.0 0.005	0.015 10 0.0143 0.005 0.02 10 0.055 0.0016	mg/L mg/L mg/L pH Units NTU uS/cm mg CaCd mg/L	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B 180.1 SM2510 B 200.7 SM5220 D	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008 2/15/2008 2/15/2008 2/15/2008 3/4/2008	BJ CCN BJ SO MAK MAK CCN BJ MAK MVP	I080214A TDS_080218 I080214A OPHOS-080214A PH_080214 TURB_080214 EC_080215 200.7-080216A COD_080215	Comme
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10617 E-10184 E-11778 E-10117	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY ELECTRICAL CONDUCTIVITY HARDNESS CHEMICAL OXYGEN DEMAND BROMATE	3.5 196 5.5 0.33 7.07 8.65 284 111.7 ND	0.100 10 0.10 0.01 0.05 10 3.30 8.0 0.005	0.015 10 0.0143 0.005 0.02 10 0.055 0.0016	mg/L mg/L mg/L pH Units NTU uS/cm mg CaCd mg/L	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B 180.1 SM2510 B 200.7 SM5220 D	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008 2/15/2008 2/15/2008 2/15/2008 3/4/2008	BJ CCN BJ SO MAK MAK CCN BJ MAK MVP	1080214A TDS_080218 1080214A OPHOS-080214A PH_080214 TURB_080214 EC_080215 200.7-080218A COD_080215 D080303A	
14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10617 E-10184 E-11778 E-10117 15541-45-4 Lab Num	NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY ELECTRICAL CONDUCTIVITY HARDNESS CHEMICAL OXYGEN DEMAND BROMATE	3.5 196 5.5 0.33 7.07 8.65 284 111.7 ND ND	0.100 10 0.10 0.01 0.05 10 3.30 8.0 0.005	0.015 10 0.0143 0.005 0.02 10 0.055 0.0016	mg/L mg/L mg/L mg/L pH Units NTU uS/cm mg CaCo mg/L mg/L	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	300.0 SM2540 C 300.0 SM4500-P F SM4500-H+ B 180.1 SM2510 B 200.7 SM5220 D 300.1	2/14/2008 2/18/2008 2/14/2008 2/14/2008 2/14/2008 2/14/2008 2/15/2008 2/15/2008 2/15/2008 3/4/2008	BJ CCN BJ SO MAK MAK CCN BJ MAK MVP	1080214A TDS_080218 1080214A OPHOS-080214A PH_080214 TURB_080214 EC_080215 200.7-080218A COD_080215 D080303A	Comme

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

0.01

0.05

0.005

0.02

10

mg/L

NTU

uS/cm

pH Units 1.0

1.0

SM4500-P F

180.1

SM2510 B

SM4500-H+ B

2/14/2008

2/14/2008

2/14/2008

2/15/2008

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

0.32

7.15

29.4

197

D.F. - Dilution Factor

14265-44-2

E-10139

E-10617

E-10184

ORTHO-PHOSPHATE

HYDROGEN ION (pH)

ELECTRICAL CONDUCTIVITY

TURBIDITY

WSDOE Lab C1251 WSDOH Lab 046

OPHOS-080214A

PH_080214

EC_080215

TURB_080214



Page 2 of 3

Reference Number: 08-01833 Report Date: 3/7/2008

Data Report

Collected By: T Baker/L Lewis

Date Received: 2/14/2008

E-11778	HARDNESS	75.3	3.30	0.055	mg CaC(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

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analysi	Batch	Comme
14797-55-8	NITRATE-N	1.82	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	1080214A	
E-10173	TOTAL DISSOLVED SOLIDS	137	10	10	mg/L	1.0	SM2540 C	2/18/2006	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	2/14/2006	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 CaC(1.0	200.7	2/16/2008	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	

CAS ID#	Analyte	Result	PQL_	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Commen
14797-55-8	NITRATE-N	3.46	0.100	0.015	mg/L	1.0	300.0	2/14/2008	вј	1080214A	
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	8 1	1080214A	
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	€C_080215	
E-11778	HARDNESS	72.9	3.30	0.055	mg CaCt	1.0	200.7	2/18/2008	BJ	200.7-08021BA	
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 Nun	nber: 4104 Sam			1111100	tiand OBS	#3		Sample	Date:	2/13/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comments
14797-55-8	NITRATE-N	3.61	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	1080214A	
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	2/14/2006	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 CaC(1.0	200.7	2/18/200B	BJ	200.7-080218A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	0.8		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 acheived within specified limits of precision and accuracy during routine laboratory operating conditions.

WSDOE Lab C1251

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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Bellingham WA 805 Orchard Dr Suite 4 - 98225 Microbiology

360.671.0688 • 360.671.1577fax

Page 1 of 1

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: L-1

Sample Description: Locher Well #1

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

Lab Number: 04099 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	u g/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 Conteminant 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 Quentitation 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



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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: L-2

Sample Description: Locher Well #2

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

Analyst: CO Peer Review: MVA

Lab Number: 04100

Report Date: 3/4/2008

Date Analyzed: 2/22/2008

Extraction Date: 515 080226

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	í	
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	8.0	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			



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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: L-3

Sample Description: Locher Well #3

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type:

Sampler Phone:

Lab Number: 04101 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	u g/ 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	u g/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

J - Estimated value.

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

MCL- Maximum Contaminent 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.

PGL - 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.



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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: L-1

Sample Description: Locher Well #1

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

Lab Number: 04099
Report Date: 3/3/2008
Date Analyzed: 3/2/2008
Extraction Date: 525 080221

Analyst: CO
Peer Review: M # #

Ivtical Method: 525.3

Analytical Method: 525.2

Synthetic Organics

							Cyttatodo Organico
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	uġ/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						
30 9- 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	NĎ	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	0.32	ug/L	0.1	0.031		Field dup 0.39 ug/L
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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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 tab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.



Reference Number: 08-01833 Page 2 of 2

Lab Number: 04099 Report Date: 3/3/2008

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

759-94-4 EPTC ND ug/L 0.1 0.028 72-54-8 4,4-DDC ND ND ug/L 0.1 0.024 72-55-9 4,4-DDE ND ug/L 0.1 0.024 72-55-9 4,4-DDE ND ug/L 0.1 0.024 72-55-9 4,4-DDE 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 0.13 Qualitative Analysis Only 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.022 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.024	CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
72-54-84 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 0.022 1582-09-8 PARATHION ND ug/L 0.1 0.024 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.024 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.024 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.024 86-73-7 TRUGRENE ND ug/L 0.1 0.026 208-96-8 ACENAPHTHYLENE ND ug/L 0.1 0.012 33-32-9 ACENAPHTHENE ND ug/L 0.1 0.012 45-5-33 BENZO(B)FLUORANTHENE ND ug/L 0.1 0.025 191-2-2 BENZO(B)FLUORANTHENE <td< td=""><td>333-41-5</td><td>DIAZINON</td><td>ND</td><td>ug/L</td><td>0.1</td><td>0.035</td><td></td><td>Unstable in Acidified Sample Matri</td></td<>	333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matri
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 0.022 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.024 - PAHs ND ug/L 0.1 0.024 91-20-3 NAPTHALENE ND ug/L 0.1 0.024 86-73-7 FLUORENE ND ug/L 0.1 0.026 80-83-8 ACENAPHTYLENE ND ug/L 0.1 0.026 33-32-9 ACENAPHTHENE ND ug/L 0.1 0.012 120-12-7 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)PERVLENE ND ug/L 0.1 0.022 218-01-9 BENZO(G,H.I)PERVLENE ND	759-94-4	EPTC	ND	ug/L	0.1	0.028		
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 0.022 1-1 56-38-2 PARATHION ND ug/L 0.1 0.022 1-1 1582-09-8 TRIFLURALIN ND ug/L 0.1 0.024 1-1 91-20-3 NAPTHALENE ND ug/L 0.1 0.024 1-1 86-73-7 FLUORENE ND ug/L 0.1 0.026 88-73-7 FLUORENE ND ug/L 0.1 0.026 88-73-7 FLUORENE ND ug/L 0.1 0.025 83-32-9 ACENAPHTHENE ND ug/L 0.1 0.012 83-32-9 ACENAPHTHENE ND ug/L 0.1 0.012 96-59-9 BENZO(A)ANTHRACENE ND ug/L 0.1 0.025 207-09-9 BENZO(K)FLUORANTHENE ND ug/L 0.1 0.022	72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
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 NAPTHALENE ND ug/L 0.1 0.026 86-73-7 FLUORENE ND ug/L 0.1 0.026 83-32-9 ACENAPHTHYLENE ND ug/L 0.1 0.025 33-32-9 ACENAPHTHENE ND ug/L 0.1 0.012 35-53-3 BENZO(SHELUGRANTHENE ND ug/L 0.1 0.012 56-55-3 BENZO(SHLUCRANTHENE ND ug/L 0.1 0.025 191-24-2 BENZO(SHLUCRANTHENE ND ug/L 0.1 0.025 271-08-9 BENZO(K)FLUORANTHENE ND ug/L 0.1 0.022 23-70-3 DIBENZO(K)FLUORANTHENE ND ug/L 0.1 0.02	72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
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 NAPTHALENE ND ug/L 0.1 0.1^4 86-73-7 FLUCRENE ND ug/L 0.1 0.026 208-96-8 ACENAPHTHYLENE ND ug/L 0.1 0.025 3-32-9 ACENAPHTHYLENE ND ug/L 0.1 0.012 205-99-2 ACENAPHTHENE ND ug/L 0.1 0.012 205-99-2 BENZ/GAPHTHACENE ND ug/L 0.1 0.025 191-24-2 BENZO(B)FLUORANTHENE 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 0.022 237-03 DIBENZO(K)FLUORANTHENE ND ug/L 0.1 0.024 297-09-0	50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
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 NAPTHALENE 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 0.014 120-12-7 ANTHRACENE ND ug/L 0.1 0.012 56-55-3 BENZ(A)ANTHRACENE ND ug/L 0.1 0.012 191-24-2 BENZO(G)FLUORANTHENE ND ug/L 0.1 0.025 191-24-2 BENZO(G)FLUORANTHENE ND ug/L 0.1 0.022 207-08-9 BENZO(K)FLUORANTHENE ND ug/L 0.1 0.022 218-01-9 CHRYSENE ND ug/L 0.1 0.022 23-70-3 DIBENZO(A-H)ANTHRACENE ND ug/L 0.1 0.04 193-39-5 I	21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
1582-09-8 TRIFLURALIN ND Ug/L 0.1 0.024	121-75-5	MALATHION	ND	ug/L	0.1	0.015		•
- PAHs 91-20-3 NAPTHALENE 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,)PERYLENE ND Ug/L 0.1 0.025 191-24-2 BENZO(K)FLUORANTHENE ND Ug/L 0.1 0.025 207-08-9 BENZO(K)FLUORANTHENE ND Ug/L 0.1 0.025 218-01-9 CHRYSENE ND Ug/L 0.1 0.022 218-01-9 CHRYSENE ND Ug/L 0.1 0.022 253-70-3 DIBENZO(A,H)ANTHRACENE ND Ug/L 0.1 0.024 206-44-0 FLUORANTHENE ND Ug/L 0.1 0.040 85-01-8 PHENANTHENE ND Ug/L 0.1 0.040 85-01-8 PHENANTHRENE ND Ug/L 0.1 0.040 85-01-8 PHENANTHRENE 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 0.085	56-38-2	PARATHION	ND	ug/L	0.1	0.022		
91-20-3 NAPTHALENE 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(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 25-70-3 DIBENZO(A,H)ANTHRACENE ND ug/L 0.1 0.024 206-44-0 FLUORANTHENE ND ug/L 0.1 0.040 85-01-8 PHENANTHRENE ND ug/L 0.1 0.040 85-01-8 PHENANTHRENE ND ug/L 0.1 0.022 - Phthalates ND ug/L	1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
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 0.11 120-12-7 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 0.022 218-01-9 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 0.040 85-01-8 PHENANTHENE ND ug/L 0.1 0.040 85-01-8 PHENANTHENE ND ug/L 0.1 0.015 129-00-0 PYRENE ND ug/L 0.1 0.022 - Phthalates 85-68-7 BENZY(L BUTYL PHTHALATE ND ug/L 0.1 0.025 84-74-2 DI-N-BUTYL PHTHALATE ND ug/L 0.1 0.085 84-66-2 DIETHYL PHTHALATE ND ug/L 0.1 0.085		- PAHs						
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 BENZO(B)FLUORANTHENE ND ug/L 0.1 0.025 205-99-2 BENZO(B)FLUORANTHENE 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 29-03-3 DIBENZO(A,H)ANTHRACENE ND ug/L 0.1 0.024 206-44-0 FLUORANTHENE ND ug/L 0.1 0.040 85-01-8 PHENANTHRENE ND ug/L 0.1 0.015 129-00-0 PYRENE ND u	91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
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 0.025 191-24-2 BENZO(B)FLUORANTHENE ND Ug/L 0.1 0.025 207-08-9 BENZO(K)FLUORANTHENE 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 0.024 206-44-0 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 0.085	86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
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(K)FLUORANTHENE ND ug/L 0.1 0.022 207-08-9 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 0.024 193-39-5 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 ND ug/L 0.1 0.022 85-68-7 BENZYL BUTYL PHTHALATE ND ug/L 0.1 0.085 84-66-2 DIETHYL PHTHALATE ND<	208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
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(K)FLUORANTHENE ND ug/L 0.1 0.022 207-08-9 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 0.085 84-74-2 DI-N-BUTYL PHTHALATE ND ug/L 0.1 0.044	83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		•
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 0.085	120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
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 0.085	56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
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	205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
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	191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
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	207-08-9	BENZO(K)FLUORANTHENE	ND .	ug/L	0.1	0.022		
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	218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
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	53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
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	206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		•
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	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		•
- 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	85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015	•	
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	129-00-0	PYRENE	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		- Phthalates						
84-66-2 DIETHYL PHTHALATE ND ug/L 0.1 0.044	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		
131-11-3 DIMETHYL PHTHALATE ND ug/L 0.1 0.015	84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
	131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

J - Estimated value.

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

MCL- Maximum Contaminant Level, maximum permissible levet 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.



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Page 1 of 2

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: L-2

Sample Description: Locher Well #2

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

Lab Number: 04100 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	80.0	1	screening only / compliance by 515.
	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.



Reference Number: 08-01833 Page 2 of 2

Lab Number: 04100 Report Date: 3/3/2008

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	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	NĎ	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	NĎ	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENÉ	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		

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

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

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

PQL - Practical Quantitation Limit is the concentration of the standard enalyzed 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: L-3

Sample Description: Locher Well #3

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

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

Lab Number: 04101

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

J - Estimated value.

FORM: SOC. GEN

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.



Reference Number: 08-01833 Page 2 of 2

Lab Number: 04101 Report Date: 3/3/2008

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 Matri
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	NAPTHALENE	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		

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.





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DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Lab Number: 4099

Field ID: L-1

Sample Description: Locher Well #1

Matrix: Drinking Water

Collect Date: 2/13/2008

Extraction Date: 2/21/2008

Extraction Method: 3535

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC

Report Date: 3/10/2008

Date Analyzed: 2/22/2008

Analyst: CO

Peer Review: MUA Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT Flag	g 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		

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

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

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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DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Lab Number: 4100

Field ID: L-2

Matrix: Drinking Water

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

Sample Description: Locher Well #2

Extraction Method: 3535

Reference Number: 08-01833

Project: LocherHall-Wentland/HBDIC

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	l
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		
		•••	~~~	0.1	0.00	1.0		

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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DATA REPORT

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810 S Main Street

Million-Freewater, OR 37362

Landaminer Fifth

mala ila. L-d

Sample Description: Locher Well #3

Matrix: Drinking Water

Collect Date: 2/13/2008

Extraction Date: 2/21/2008

Extraction Method: 3535

Reference Number 35-2 8000

Project: LocherHall-Wentland/HBDIC

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 F	lag Units	PQL	MDL	D.F.	Batch	COMMENT
					0.00			
60-51-5	DIMETHOATE	ND	ug/L	0.5	0.03		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	-	10		
333-41-5	DIAZINON	ND	ug/L	0.1	0.04	1.0		Unstable in Acidified Sample M
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 acheived 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: L-1

Sample Description: Locher Well #1
Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008 Source Type:

Sampler Phone:

Lab Number: 04099
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		•
1675 2-77-5	METHOMYL	ND	ug/L	1.0	0.86		
1 6655-82-6	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	NĎ	ug/L	1.0	0.76		

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 - Melhod 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: 08-01833

Project: LocherHall-Wentland/HBDIC

Field ID: L-2

Sample Description: Locher Well #2

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

Lab Number: 04100 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	u g/ 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 levet 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.

MCL - Nethor Designan Limit is the lab to trinmium concentration is controlled an discussional and recorded 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: 08-01833

Project: LocherHall-Wentland/HBDIC

Field ID: L-3

Sample Description: Locher Well #3

Sampled By: T Baker/L Lewis

Sample Date: 2/13/2008

Source Type: Sampler Phone:

Lab Number: 04101 Report Date: 3/3/2008 Date Analyzed: 2/25/2008

Extraction Date: 531_080225 Analyst: CO

Peer Review: MVA Analytical Method: 531.2

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	ND	u g/ 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	88.0		
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, 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 enalyzed during the initial calibration.



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-01833

	nalyte ARDNESS	Result 72.3	Value	Units	Method	Recovery	Limite	Our life - Turnet	
200.7-080218A HA	ARDNESS	72.3			Method	I VOCOVOI Y	LIMINIS	Qualifier Type*	Comment
		, 2.0	69.5	mg/L	200.7	104	80-120	LFB	
508_080221 TE	ETRACHLORO-M-XYLENE (SURR)	94		%	508.1		70-130	LFB	
515_080226 2,4	4 - D	2	2	ug/L	515.1	100	70-130	LFB	
	4 - DCAA (SURR)	99		%	515.1		70-130		
	4 DB	9.3	8	ug/L	515.1	116	70-130		
2,4	4,5 - TP (SILVEX)	0.9	1	ug/L	515.1	90	70-130		
2,4	4,5 T	0.94	1	ug/L	515.1	94	70-130		
	CIFLUORFEN	0.91	1	ug/L	515.1	91	70-130		
BE	ENTAZON	2	2	ug/L	515.1	100	70-130		
CH	HLORAMBEN	0.7	1	ug/L	515.1	70	70-130		
D#	ALAPON	8.2	13	ug/L	515.1	63	70-130		
DIC	CAMBA	0.84	1	ug/L	515.1	84	70-130		
DIC	CHLORPROP	2.8	3	ug/L	515.1	93	70-130		
Dif	NOSEB	1.8	2	u g/L	515.1	90	70-130		
PE	ENTACHLOROPHENOL	0.87	1	υg/L	515.1	87	70-130		
PIC	CLORAM	0.9	1	ug/L	515.1	90	70-130		
то	OTAL (DCPA & Metabolites)	1.2	1	ug/L	515.1	120	70-130		
525_080221 1,3	3-DIMETHYL-2-NITROBENZENE (Surr)	101		%	525.2		70-130	LFB	
	\$-DDD	1.21	1	ug/L	525.2	121	70-130		
	I-DDE	1.17	1	ug/L	525.2	117	70-130		
	I-DDT	1,17	1	ug/L	525.2	117	70-130		
•	ENAPHTHYLENE	1.05	1	ug/L	525.2	105	70-130		
	ACHLOR	2.24	2	ug/L	525.2	112	70-130		
AL	DRIN	0.94	1	ug/L	525.2	94	70-130	ı	
·	ITHRACENE	0.87	1	ug/L	525.2	87	70-130	I	
AT	RAZINE	2.41	2	ug/L	525.2	121	70-130	ı	
	NZ(A)ANTHRACENE	1.11	1	ug/L	525.2	111	70-130	l	
	NZO(A)PYRENE	0.98	1	ug/L	525.2	98	70-130		
	NZO(B)FLUORANTHENE	1.16	1	ug/L	525.2	116	70-130		
	NZO(G,H,I)PERYLENE	0.76	1	ug/L	525.2	76	70-130		
	NZO(K)FLUORANTHENE	1.18	1	ug/L	525.2	118	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.



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-01833

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
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	υg/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	ng/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	ı	
	TERBACIL	1.28	1	ug/L	525.2	128	70-130	·	
	TRIFLURALIN	1.24	1	ug/L	525.2	124	70-130)	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-01833

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080221	TRIPHENYLPHOSPHATE (Sum)	107		%	525.2		70-130	LFB	
	•								
525X_080221	HEXAZINONE (Velpar)	4.0	4		505.0	120	70 120	LFB	
525A_060221	HEXAZINONE (Veipar)	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	u g/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	
-					22			_	
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

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

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-01833

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
200.7-080218A	HARDNESS	ND		mg/L	200.7		10.0000	C LRB	
COD_080215	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		4.00000	LRB	
_				•					
				_			2 22525	Lon	
D080303A	BROMATE	ND		mg/L	300.1		0.00500	LRB	•
D080306A	BROMATE	ND		mg/L	300.1		0.00500	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.00000) LRB	
							2.00000		
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B				
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.00000) LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.00000) LRB	
1080214A	CHLORIDE	ND		mg/L	300.0		0.1000) LRB	
	NITRATE-N	ND		mg/L	300.0		0.1000	0	
	•								
1000315	CHLORIDE	ND		ma/l	300.0		0.1000	0 LRB	
1080215	NITRATE-N	ND ND		mg/L mg/L	300.0		0.1000		
				•					
					_				
OPHOS-080214A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.1000	0 LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		10.000	OC LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		10.000	OC LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		10.000	OC LRB	
103_000210	TOTAL DIGOCEVED SOCIDO	140		mg/L	SINE OFFI		10.000	E. 10	
TURB_080214	TURBIDITY	ND		NTU	180.1		0.0200	0 LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-01833

Report Date: 03/10/08

True % QC

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

"Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-01833

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
200.7-080218A	HARDNESS	ND		mg/L	200.7		0.82000	MB	
									*
508_080221	AROCLOR 1016	ND		ug/L	508.1		0.02000		
	AROCLOR 1221	ND		µg/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)	100		%	508.1		0.00000	0	
515_080226	2,4 - D	ND		ug/L	515.1		0.0500	0 MB	
313_000220	2,4 - DCAA (SURR)	103		%	515.1				
	2,4 DB	ND		ug/L	515.1		0.2500	0	
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.1000	0	
	2,4,5 T	ND		ug/L	515.1		0.1000	0	
	ACIFLUORFEN	ND		ug/L	515.1		0.5000	0	
	BENTAZON	ND		ug/L	515.1		0.1200	0	
	CHLORAMBEN	ND		ug/L	515.1		0.2000	0	
	DALAPON	ND		ug/L	515.1		0.5000	0	
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.1000	0	
	DICAMBA	ND		ug/L	515.1		0.0500	0	
	DICHLORPROP	ND		ug/L	515.1		0.1200	10	
	DINOSEB	ND		ug/L	515.1		0.1000	ю	
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.0200	00	
	PICLORAM	ND		ug/L	515.1		0.0500	00	
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.0200	00	
				-3					
525_080221	1,3-DIMETHYL-2-NITROBENZENÉ (Surr)	93		%	525.2			MB	
	4,4-DDD	ND		ug/L	525.2		0.0500	00	
	4,4-DDE	ND		ug/L	525.2		0.0500	00	
	4,4-DDT	ND		ug/L	525.2		0.0500	00	
	ACENAPHTHENE	ND		u g/L	525.2		0.0500	00	
	ALACHLOR	ND		ug/L	525.2		0.020	00	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-01833

			True			%	QC		
Batch	Analyte	Result	Value	Units	Method	Recovery Limi	s Qualifier	Type*	Comment
525_080221	ALDRIN	ND		ug/L	525.2	0.05	000	MB	
	ANTHRACENE	ND		ug/L	525.2	0.05	000		
	ATRAZINE	ND		ug/L	525.2	0.02	000		
	BENZ(A)ANTHRACENE	ND		ug/L	525.2	0.02	000		
	BENZO(A)PYRENE	ND		ug/L	525.2	0.02	000		
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2	0.05	000		
	BENŽO(G,H,I)PERYLENE	ND		ug/L	525.2	0.05	000		
	BENZO(K)FLUORANTHENE	ND		ug/L	525.2	0.05	000		
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2	0.60	000		
	BROMACIL	ND		ug/L	525.2	0.05	000		
	BUTACHLOR	ND		ug/L	525.2	0.10	000		
	CHLORDANE, TECHNICAL	ND		ug/L	525.2	0.02	000		
	CHRYSENE	ND		ug/L	525.2	0.05	000		
	CYANAZINE	ND		ug/L	525.2	0.05	000		
	DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2	0.02	000		
	DI(ETHYLHEXYL)-PHTHALATE	2.5		ug/L	525.2	0.60	000		
	DIAZINON	ND		ug/L	525.2	0.05	000		
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2	0.05	000		
	DIELDRIN	ND		ug/L	525.2	0.08	000		
	DIETHYL PHTHALATE	ND		ug/L	525.2	0.60	000		
	DIMETHYL PHTHALATE	ND		ug/L	525.2	0.60	000		
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2	0.60	0000		
	ENDRIN	ND		ug/L	525.2	0.0	000		
	EPTC	ND		ug/L	525.2	0.0	000		
	FLUORANTHENE	ND		ug/L	525.2	0.0	0000		
	FLUORENE	ND		ug/L	525.2	0.0	000		
	HEPTACHLOR	ND		ug/L	525.2	0.0	2000		
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2	0.0	2000		
	HEXACHLOROBENZENE	ND		ug/L	525.2	0.0	2000		
	.HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2	0.0	2000		
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2	0.0	5000		
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2	0.0	2000		
	MALATHION	ND		ug/L	525.2	0.0	5000		
	METHOXYCHLOR	ND		ug/L	525.2	0.0	2000		
	METOLACHLOR	ND		ug/L	525.2	0.2	5000		
	METRIBUZIN	ND		ug/L	525.2	0.0	5000		
	NAPTHALENE	NĐ		ug/L	525.2	0.0	2000		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-01833

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080221	PARATHION	ND		ug/L	525.2		0.05000	МВ	
	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 (Velpar)	ND		ug/L	525.2		0.02000	МВ	
531_080225	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000	мв	
<u>-</u>	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	
0.01 _000220		ND		ugrL	549.2		0.30000	, MD	
OPHOS-080214A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000) МВ	
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		

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-01833

			True			%	QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limits	Qualifier Type*	Comment
WALLA_080221	DIMETHOATE	ND	·····	ug/L	525.2	0.0000	0 MB	
	FENARIMOL	ND		ug/L	525.2	0.0000	0	
	HEXAZINONE	ИD		ug/L	525.2	0.0000	0	
	MALATHION	ND		ug/L	525.2	0.0500	0	
	METALAXYL	ND		ug/L	525.2	0.1000	0	
	METHYL PARATHION	ND		ug/L	525.2	0.0000	ю	
	MEVINPHOS	ND		ug/L	525.2	0.0000	0	
	NAPROPAMIDE	ND		ug/L	525.2	0.0000	ю	
•	PARATHION-ETHYL	ND		ug/L	525.2	0.0500	0	
	PHOSMET	ND		ug/L	525.2	0.1000	10	
	TRIADIMEFON	ND		ua/l	525.2	0.0000	10	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-01833

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery		Qualifier Type*	Comment
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	ocs	·
D080306A	BROMATE	0.018	0.0184	mg/L	300.1	98	75-125	ocs	
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 NITRATE-N	30 2.47	30.0 2.50	mg/L mg/L	300.0 300.0	100 99	80-120 80-120		
1080215	CHLORIDE NITRATE-N	31 2.52	30.0 2.50	mg/L mg/L	300.0 300.0	103 101	80-120 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	50 0	mg/L	SM2540 C	101	80-120	QCS	
TDS_080218	TOTAL DISSOLVED SOLIDS	522	500	mg/L	SM2540 C	104	80-120	QCS	
TURB_0802 14	TURBIDITY	1.05	1.00	NTU	180.1	105	70-130	QCS	

^{*}Notation:

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

NA = Indicates % Recovery could not be calculated.

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

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

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



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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-01833

Report Date: 03/10/08

True

QC

Batch Analyte

Result

Value

Units

Method

Recovery Limits Qualifier Type*

Comment

[&]quot;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.



Duplicate

Burlington WA

1,21

0.14

30

1.22

30

0.15

34

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Duplicate



0-45

0-45

0-45

0-45

0.0

DUP

DUP

DUP

DUP

Page 1 of 6

QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-01833
Report Date: 3/10/2008

				Duplicate				QC	
Batch	Sample	Analyte	Result	Result	Units	%RPD	Limits	Qualifier	Comments
200.7-08021	18A								
	4310	HARDNESS	4.39	4.42	mg CaCO3/L	0.7	0-45	DUP	
525_080221	l								
	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	% a	6.5	0-45	DUP	
	4101	1,3-DIMETHYL-2-NITROBENZENE (Sum	97	104	%	7.0	0-45	DUP	
	4101	PYRENE-D10 (Suπ)	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_08021	5								
_		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									
		ELECTRICAL CONDUCTIVITY	336	337	uS/cm	0.3	0-45	ĐUP	
	4208	ELECTRICAL CONDUCTIVITY	494	493	uS/cm	0.2	0-45	DUP	
	4246	ELECTRICAL CONDUCTIVITY	586	586	uS/cm	0.0	0-45	DUP	
1080214A									
1000Z 14M	4196	CHLORIDE	0.2	0.3	mg/L	40.0	0-45	DUP	
	7130	OLICO NOC	J.=		···a·+				

%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.

mg/L

mg/L

mg/L

mg/L

4209 NITRATE-N

4209 CHLORIDE

4246 NITRATE-N

4246 CHLORIDE



Duplicate

· Page 2 of 6

Reference Number: 08-01833 Report Date: 3/10/2008

				Duplicate				QÇ	
Batch	Sample	Analyte	Result	Result	Units	%RPD	Limits	Qualifier	Comments
1080215									
	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-08	0214A								
	4105	ORTHO-PHOSPHATE	0.31	0.31	mg/L	0.0	0-50	DUP	
PH_080214	4								
_		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_0802	18								
	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_080	214								
_	4196	TURBIDITY	0.12	0.12	NTU	0.0	0-50	DUP	



Page 3 of 6

Reference Number: 08-01833

Report Date: 3/10/2008

Matrix Spike

Duplicate Spike Spike Spike Percent Recovery QC Batch Sample Analyte Result Result Result Conc Units MS MSD Limits %RPD Limits Qualifier Comments 200.7-080218A 4196 HARDNESS ND 73.6 73.6 mg CaCO3/L 106 69.5 106 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 ND 5142 2.4 - D 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 ND 5142 PENTACHLOROPHENOL 0.88 0.81 1 88 81 65-135 8.3 0-60 LFM ug/L ND 65-135 LFM 5142 DALAPON 13 62 68 9.4 0-60 8.1 8.9 ug/L 5142 DINOSEB ND 1.7 1.5 2 ug/L 85 75 65-135 12.5 0-60 LFM ND 79 LFM 5142 PICLORAM 0.85 0.79 1 ug/L 85 65-135 7.3 0-60 5142 DICAMBA ND 0.8 0.78 ug/L 80 78 65-135 2.5 0-60 LFM ND 1.15 1.1 115 110 65-135 4.4 0-60 LFM TOTAL (DCPA & Metabolites) 1 ug/L 5142 2,4 DB ND 9.1 8.1 8 ug/L 114 101 65-135 11.6 0-60 LFM ND 1 50 65-135 54.0 0-60 LFM 5142 2,4,5 T 0.87 0.5 ug/L 87 ND 1.7 2 100 85 65-135 16.2 0-60 LFM 5142 BENTAZON 2 ug/L ND 2.8 2.6 3 ug/L 93 87 65-135 7.4 0-60 LFM 5142 DICHLORPROP 81 82 65-135 1.2 0-60 LFM ND 0.81 0.82 1 5142 ACIFLUORFEN ug/L 70 70 65-135 0.0 0-50 **LFM** ND 0.7 0.7 1 ug/L 5142 CHLORAMBEN 70-130 NA 0-60 LFM 107 103 98 % 5142 2,4 - DCAA (SURR) 525_080221 0-60 LFM 110 NA 70-130 NA 4103 ENDRIN ND 1.1 1 ug/L LFM NΑ NA 0-60 97 70-130 ND 0.97 1 ug/L 4103 LINDANE (BHC - GAMMA) NA 70-130 NA 0-60 LFM 127 ND 1,27 ug/L METHOXYCHLOR 0-60 LFM ND 2 ug/L 104 NA 70-130 NA 2.07 4103 **ALACHLOR** LFM 2 70-130 NA 0-60 123 NA ND 2.46 ug/L ATRAZINE 4103 NA 0-60 ΜE LFM NA 70-130 1 ug/L 0 BENZO(A)PYRENE ND 0 0-60 LFM NA 94 NA 70-130 0.94 1 ug/L CHLORDANE, TECHNICAL ND LFM NA 70-130 NA 0-60 ug/L 116 DI(ETHYLHEXYL)-ADIPATE ND 1.16 1 NA 0-60 **B3** LFM Sample 0.3 ug/L 137 NA 70-130 1 ug/L DI(ETHYLHEXYL)-PHTHALATE ND 1.37 70-130 NA 0-60 LFM NA 1 ug/L 107 **HEPTACHLOR** ND 1.07 0-50 LFM NA 94 NA 70-130 ND 0.94 ug/L HEPTACHLOR EPOXIDE NA 0-60 **LFM** NA 70-130 102 ug/L HEXACHLOROBENZENE ND 1.02 LFM NA 70-130 NA 0-60 108 1.08 ug/L HEXACHLOROCYCLO-PENTADIENE ND 0-60 LFM NA 70-130 NA 119 ND 1 ug/L SIMAZINE 1.19 4103 0-50 LFM NA 70-130 NA 101 4 ug/L PENTACHLOROPHENOL ND 4.03 0-60 LFM 91 NA 70-130 NA ug/L ND 0.91 4103 ALDRIN

%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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Reference Number: 08-01833 Report Date: 3/10/2008

Matrix Spike

Duplicate

				Spike	Spike	Spike		Percen	t Recovery				QC		
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifier	•	Comments
	4103	BUTACHLOR	ND	1.22		1	ug/L	122	NA	70-130	NA	0-60		LFM	
	4103	DIELDRIN	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	4103	METOLACHLOR	МD	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	NĎ	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	
		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 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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Reference Number: 08-01833 Report Date: 3/10/2008

Matrix Spike

Duplicate Spike Spike Spike Percent Recovery QÇ Batch Sample Analyte Result Result Result Conc MS MSD Units Limits %RPD Limits Qualifier Comments DI-N-BUTYL PHTHALATE ND 1.1 110 NA 70-130 ug/L NA 0-60 LFM 4103 DIETHYL PHTHALATE ND 1.2 1 120 NA ug/L 70-130 NA 0-60 LFM 4103 DIMETHYL PHTHALATE ND 1.14 NA ug/L 114 70-130 NA 0-60 LFM 1,3-DIMETHYL-2-NITROBENZENE (Surr 99 100 % NA 70-130 NA 0-60 LFM 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 ug/L 123 NA 70-130 NA 0-50 LFM ND NA LFM HEXAZINONE (Velpar) 1.23 ug/L 123 70-130 NA 0-60 531 080225 108 70-130 LFM 4102 OXYMAL ND 9.3 10.8 10 ug/L 93 14.9 0-50 ND 8.5 9.7 10 85 97 70-130 13.2 0-50 LFM 4102 CARBOFURAN ug/L ND 75 85 70-130 12.5 0-50 LFM 4102 ALDICARB SULFOXIDE 7.5 8.5 10 ug/L LFM 94 70-130 0-50 4102 ALDICARB SULFONE ND 8.4 9.4 10 ug/L 84 11.2 ND 92 108 70-130 16.0 0-50 LFM METHOMYL 9.2 10.8 10 ug/L 106 0-50 LFM 3-HYDROXYCARBOFURAN ND 9.3 10.6 10 ug/L 93 70-130 13.1 I FM 99 70-130 11.8 0-50 4102 ALDICARB ND 8.8 9.9 10 ug/L 88 LFM CARBARYL ND 9.1 10.6 10 ug/L 91 106 70-130 15.2 0-50 87 100 70-130 13.9 0-50 LFM 4102 PROPOXUR (BAYGON) ND 8.7 10 10 ug/L 84 98 70-130 15.4 0-50 LFM 4102 METHIOCARB ND 8.4 9.8 10 ug/L NA 70-130 NA 0-50 LFM 98 4638 OXYMAL ND 9.8 10 ug/L LFM 0-50 ND 10 ug/L 89 NA 70-130 NA CARBOFURAN 8.9 70-130 NA 0-50 LEM 78 NA ALDICARB SULFOXIDE ND 7.8 10 ug/L NA 70-130 NA 0-50 LFM 10 85 ALDICARB SULFONE ND 8.5 ug/L 4638 NA 0-50 LFM NA 70-130 ND 10 10 ug/L 100 METHOMYL LFM 100 NA 70-130 NA 0-50 3-HYDROXYCARBOFURAN ND 10 10 ug/L 4638 LFM 92 NA 70-130 NA 0-50 ND 9.2 10 ug/L ALDICARB 4638 0-50 LFM 70-130 NA ND 9.3 10 ua/L 93 NA CARBARYL LFM 70-130 NA 0 - 50ND 10 ug/L 92 NA PROPOXUR (BAYGON) 9.2 LFM 70-130 NA 0-50 ND 8.4 10 ug/L 84 NA METHIOCARB 549P_080220 LFM NA 70-130 NA 0-50 ME 2 ug/L 20 0.4 PARAQUAT

COD_080215

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.

mg/L

mg/L

50

50

56

66

55

65

7

17

98

98

96

96

80-120

80-120

0-60

0-60

2.1

2.1

LFM

LFM

CHEMICAL OXYGEN DEMAND

CHEMICAL OXYGEN DEMAND

[%]RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated



' Page 6 of 6

Reference Number: 08-01833

Report Date: 3/10/2008

Matrix Spike

Spike Spike Spike Percent Recovery QC %RPD Sample Analyte Result Result Result Conc Units MS MSD Limits Limits Qualifier Comments Batch D080303A LFM ND 0.010 0.010 mg/L 100 NA 75-125 NA 0-60 3662 BROMATE ND 100 NA 75-125 NA LFM 0.010 0.010 0-60 4638 BROMATE mg/L D080306A LFM ND 0.010 0.010 mg/L 100 NA 75-125 NA 0-60 4196 BROMATE 1080214A LFM 101 NA 80-120 NA 0-60 ND 1.01 1.00 mg/L 4196 NITRATE-N 110 NA 80-120 NA 0-60 LFM 1.00 4196 CHLORIDE 0.2 1.3 mg/L NA 80-120 NA 0-60 LFM 2.21 1.00 mg/L 100 1.21 4209 NITRATE-N LFM 100 NA 80-120 NΑ 0-60 0.14 1.00 mg/L 4246 NITRATE-N 1.14 1080215 LFM NA 0-60 ND 1.06 1.00 mg/L 106 NA 80-120 4196 NITRATE-N **LFM** NA 80-120 NA 0-60 0.3 1.4 1.00 mg/L 110 4196 CHLORIDE М LFM Chlorinated NA 80-120 NA 0-60 ND 1.38 1.00 mg/L 138 4249 NITRATE-N S LFM 80-120 NA 0-60 1.00 mg/L 130 NA 4249 CHLORIDE 19.3 20.6 OPHOS-080214A 1.0 0-50 LFM 101 70-130 1.00 mg/L 102 1.33 1.32 4105 ORTHO-PHOSPHATE 0.31 WALLA_080221 LFM 0-50 NA 70-130 NA 1.5 2 ug/L 75 ND 4103 DIMETHOATE LFM NA 0-50 NA 70-130 1 1 ug/L 100 ND 4103 NAPROPAMIDE LFM 70-130 NA 0-50 NA ND 1.3 1 ug/L 130 4103 FENARIMOL LFM 0-50 HQ 70-130 NΑ 3 150 NA ND 4.5 ug/L 4103 MEVINPHOS NA 0-50 HQ LFM 70-130 2 138 NA ND 2.75 ug/L AZINPHOS-METHYL LFM 0-50 100 NA 70-130 NA 3 ND 3 ug/L CHLORPYRIFOS 4103 LFM NΑ 0-50 70-130 2 ug/L 115 NA 2.3 METHYL PARATHION ND LFM NA 0-50 NA 70-130 110 ND 1.1 1 ug/L 4103 TRIADIMEFON

Duplicate





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.
В3	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.







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) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	98 93 87 105	% % % %	525.2	Acceptance Range is 70% to 130%
515_080226 4099	2,4 - DCAA (SURR)	99	%	515.1	Acceptance Range is 70 - 130%
508_080221 4100 525_080221	TETRACHLORO-M-XYLENE (SURR)	96	%	508.1	Acceptance Limits 70%-130%
4100	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	104 82 86 104	% % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130%
515_080226 4100	2,4 - DCAA (SURR)	103	%	515.1	Acceptance Range is 70 - 130%
508_080221 4101 525_080221	TETRACHLORO-M-XYLENE (SURR)	97	%	508.1	Acceptance Limits 70%-130%
4101	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	97 105 88 106	% % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% 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) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	99 97 93 105	% % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% 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) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	99 95 90 103	% % % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% 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) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	98 97 91 104	% % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% 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.







QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 08-01833

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%

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Man Eros		7862	City:	Milton-	Freewa :)R Z	ip: 9700	JZ			ng Wate			1620 S.	Walnut St.	
Bob Bower			Phone:		<u> </u>	FAX:			13.0		an Wate				Burlington, 1,800.	WA 98233 755,9295	
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Burlington WA Corporate Office

1620 S Walnut St - 98233 800.755,9295 • 360.757.1400 • 360.757.1402fax

Bellingham WA 805 Orchard Dr Sulte 4 - 98225

360.671.0688 - 360.671.1577fax

Page 1 of 4

Data Report

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Report Date: 6/16/2008 Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Colleged By: T. Baker

Date Received: 5/28/2008 Peer Review

t								realou O	Ų.	-	
Lat Numbe	r. 15124 Sa	ample Description	: HBDIC	OBS1 - H	BDIC			Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Anslyzed	Analysi	Batch	Commer
14797-55-8	NITRATE-N	0.17	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	50	ND3NO2-080528	
15541-45-4 I	BROMATE	ND	0.5	0.068	ng/L	1.0	317.0	6/6/2008	MVP	317_080806A	
E-11778	HARDNESS	22.1	3.30	0.055	mg CaCi	1,0	200.7	6/30/2008	8 .1	200.7-060530A	
E-10117	CHEMICAL OXYGEN DEMANE	11	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080804	
E-10139	HYDROGEN ION (pH)	7.18			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	63.4	10		u\$/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080802	
E-10617	TURBIDITY	0.88	0.05	0.02	NTU	1.0	180.1	6/28/2008	CCN	TURB_050528	
16887-00-6	CHLORIDE	0.5	0.1	0.012	mg/L	1,0	300.0	5/28/2009	₽1	1080528A	
E-10173	TOTAL DISSOLVED SOLIDS	61	10		mg/L	1.0	SM2540 C ,	6/2/2008	CCN	TDS_080802	
14265-44-2	ORTHO-PHOSPHATE	0.17	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	50	OPHOS-080528	
Lab Numbe	er: 15125 S	ample Description	1: L-1 - l	ocker Rd				Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comme
14797-55-8	NITRATE-N	5.86	0.05	0.0007	mg/L	5.0	8M4500-NO3 F	5/28/2006	\$0 °	NO3NO2-680528	
16887-00-6	CHLORIDE	6.7	0.1	0.012	mg/L	1.0	300.0	5/26/2008	B1	108052BA	
E-10173	TOTAL DISSOLVED SOLIDS	262	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	6/6/2008	MP	317_089805A	
E-11778	HARDNESS	156	3.30	0.055	mg CaC	1.0	200.7	5/30/2008	BU	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMANI	D ND	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COO_080604	
E-10139	HYDROGEN (ON (pH)	7.00			pH Units	1.0	SM4500-H+ B	6/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	r 401	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_060602	
E-10617	TURBIDITY	0.79	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
14265-44-2	ORTHO-PHOSPHATE	0.27	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SD	OPHOS-080528	
Lab Numbe	er: 15126 S	Sample Descriptio	n: L-2 -	Locker Rd	,			Sampl	e Date	5/27/2008	
CAS ID#	Analyte	Result	PQL.	MDL	Units	DF	Method	Analyzed	Analy	st Batch	Comm
14797-55-8	NITRATE-N	5.96	0.05	0.0007	mg/L	5.0	SM4500-NO3 F	5/26/2008	SO	NO3NO2-060528	
	OUR ODIDE	6.5	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	M80528A	
16887-00-6	CHLORIDE										
16887-00-6 E-10173	TOTAL DISSOLVED SOLIDS	205	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TOS_080602	
			10 0.5	0.068	mg/L ug/L	1.0 1.0	SM2540 C 317.0	5/2/2008 6/11/2008	CCN MVP	TDS_080602 317_080611A	
E-10173	TOTAL DISSOLVED SOLIDS	205		0.068 0.055	•	1.0	317.0			=	

PQL = Practical Quantitation Limit is the lowest level that can be acheived 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.

6.93

HYDROGEN ION (pH)

D.F. - Dilution Factor

E-10139

WSDOE Lab C1251 WSDOH Lab 046

PH_080528

CCN

SM4500-H+ B

pH Units 1.0



Page 2 of 4

Reference Number: 08-07095 Report Date: 6/16/2008

Data Report

Collected By: T. Baker .

Date Received: 5/28/2008

E-10184	ELECTRICAL CONDUCTIVITY	313	10		uS/cm	1.0	SM2510 B	0/2/2008	CCN	EC_080602
E-10617	TURBIDITY	7.13	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080\$28
14265-44-2	ORTHO-PHOSPHATE	0.27	0.01	0.005	mg/L	1.0	SM4500-P F	5/26/2006	50	OPHOS-080528

CAS ID# Analyte Result PQL MDL Units DF Method Analyzed Analyst Baich Commet 14797-55-8 NITRATE-N 2.11 0.01 0.0007 mg/L 1.0 SM4500-NO3 F 572872008 S0 NO3NO2-080528 16887-00-6 CHLORIDE 1.8 0.1 0.012 mg/L 1.0 300.0 572872008 BJ 1680528 E-10173 TOTAL DISSOLVED SOLIDS 98 10 mg/L 1.0 SM2540 C 07272008 BJ 1680528 15541-45-4 BROMATE ND 0.5 0.068 ug/L 1.0 317.0 0/11/2008 MVP 317_080811A E-11778 HARDNESS 45.7 3.30 0.055 mg CaC 1.0 200.7 59062008 BJ 200.7-080530A E-10117 CHEMICAL OXYGEN DEMAND 16 8.0 2.0 mg/L 1.0 SM5220 D 8/4/2008 MAK COO_680604 E-10139 HYDROGEN ION (pH) 6.98	1		- 4	E01	Lame	t Indha	DE	44-14-14	Andread	4	t Batch	Commer
16887-00-6 CHLORIDE 1.8 0.1 0.012 mg/L 1.0 300.0 5/28/2008 BJ 108052MA E-10173 TOTAL DISSOLVED SOLIDS 98 10 mg/L 1.0 5M254D C 0/2/2008 CCN TDS_060602 15541-45-4 BROMATE ND 0.5 0.068 ug/L 1.0 317.0 0/11/2008 MVP 317_080811A E-11778 HARDNESS 45.7 3.30 0.055 mg CaC/ 1.0 200.7 5/30/2008 BJ 200.7-080530A E-10117 CHEMICAL OXYGEN DEMAND 16 8.0 2.0 mg/L 1.0 5M522D 0/4/2008 MAK COD_680604 E-10139 HYDROGEN ION (pH) 6.98 E-10184 ELECTRICAL CONDUCTIVITY 129 10 US/cm 1.0 SM2510 B 0/2/2008 CCN EC_080602	CAS ID#	Analyte	Result	PQL	MDL	Units	Dr	Method	Analyzed	Alielys	(Dallii	CONTRING
E-1D173 TOTAL DISSOLVED SOLIDS 98 10 mg/L 1.0 SM254D C 02/2008 CCN TD9_060602 15541-45-4 BROMATE ND 0.5 0.068 ug/L 1.0 317.0 0/11/2008 MVP 317_060811A E-11778 HARDNESS 45.7 3.30 0.055 mg CaCl 1.0 200.7 5/30/2008 BJ 200.7-060530A E-10117 CHEMICAL OXYGEN DEMAND 16 8.0 2.0 mg/L 1.0 SM522D 0/4/2008 MAK COD_680604 E-10139 HYDROGEN ION (pH) 6.98 pH Units 1.0 SM4500-H+ B 6/28/2008 CCN PH_080528 E-10184 ELECTRICAL CONDUCTIVITY 129 10 uS/cm 1.0 SM2510 B 97/2008 CCN EC_080602	14797-55-8	NITRATE-N	2.11	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 ugA 1.0 317.0 0/11/2008 MVP 317_080811A E-11778 HARDNESS 45.7 3.30 0.055 mg CaCl 1.0 200.7 5/30/2008 BJ 200.7-080530A E-10117 CHEMICAL OXYGEN DEMAND 16 8.0 2.0 mg/L 1.0 SM5220 D 0/4/2008 MAK COD_080604 E-10139 HYDROGEN ION (pH) 6.98 pH Units 1.0 SM4500-H+ B 6/28/2008 CCN 9H_080528 E-10184 ELECTRICAL CONDUCTIVITY 129 10 uS/cm 1.0 SM2510 B 0/2/2008 CCN EC_080682	16887-00-6	CHLORIDE	1.B	D.1	0.012	m g/ L	1.0	300.0	5/28/2008	타	10805ZBA	
E-11778 HARDNESS 45.7 3.30 0.055 mg CaCl 1.0 200.7 5/30/2008 BJ 200.7-080530A E-10117 CHEMICAL OXYGEN DEMAND 16 8.0 2.0 mg/L 1.0 SM5220 D 6/4/2008 MAK COD_68060A E-10139 HYDROGEN ION (pH) 6.98 pH Units 1.0 SM4500-H+ B 6/28/2008 CCN PH_080528 E-10184 ELECTRICAL CONDUCTIVITY 129 10 uS/cm 1.0 SM2510 B 6/2/2008 CCN EC_080602	E-10173	TOTAL DISSOLVED SOLIDS	98	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_060602	
E-10117 CHEMICAL OXYGEN DEWAND 16 8.0 2.0 mg/L 1.0 SM5220 D 8/4/2008 MAK COD_686604 E-10139 HYDROGEN ION (pH) 6.98 pH Units 1.0 SM4500-H+B 6/28/2008 CCN PH_080528 E-10184 ELECTRICAL CONDUCTIVITY 129 10 uS/cm 1.0 SM2510 B 9/2/2008 CCN EC_680602	15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/11/2006	MVP	317_080811A	
E-10139 HYDROGEN ION (pH) 6.98 pH Units 1.0 SM4500-H+ B 6/28/2008 CCN PH_080528 E-10184 ELECTRICAL CONDUCTIVITY 129 10 uS/cm 1.0 SM2510 B 072/2008 CCN EC_080682	E-11778	HARDNESS	45.7	3.30	0.055	mg CaCt	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10184 ELECTRICAL CONDUCTIVITY 129 10 US/cm 1.0 SM2510 B 972008 CCN EC_080682	E-10117	CHEMICAL OXYGEN DEMAND	16	8.0	2.0	mg/L	1,0	SM5220 D	6/4/2008	MAK	COD_680604	
	E-10139	HYDROGEN ION (pH)	6.98			pH Units	1.0	SM4500-H+ B	6/28/2008	CCN	PH_080528	
E-19617 TURBIDITY 7.48 0.05 0.02 NTU 1.0 180.1 5/28/2008 CCN TURB_080528	E-10184	ELECTRICAL CONDUCTIVITY	129	10		uS/cm	1.0	SM2510 B	945/3008	CÇN	EC_090005	
	E-10617	TURBIDITY	7.48	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_060526	

Lab Nun	nber: 15128 San	nple Descripti	on: L-Intal	(e				Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Balch	Commen
14797-55-8	NITRATE-N	0.11	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	6/28/2008	50	NO3NO2-080528	
16897-00-6	CHLORIDE	0.6	0.1	0.012	mg/L	1.0	300.0	5/28/2008	8.4	1060528A	
E-10173	TOTAL DISSOLVED SOLIDS	54	10		mg/L	1.0	SM2540 C	0/2/2008	CCN	TD6_080602	
15541-45-4	BROMATE 1	ND	0.5	0.068	սց/L	1.0	317.0	6/11/2008	MVP	317_080811A	
E-11778	HARDNESS	18.7	3.30	0.055	mg CaCt	1.0	200.7	5/30/2008	BII	200,7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	19	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	7.27			pH Units	1,0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	50.3	10		uS/cm	1,0	SM2510 B	6/2/2008	CCN	EC_050602	
E-10817	TURBIDITY	17.6	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_060526	
14265-44-2	ORTHO-PHOSPHATE	0.12	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	50	OPHOS-060528	

Lab Num	nber: 15129 Sam	ple Descripti	on: L-S1 -	Mud Creek				Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comments
14797-55-8	NITRATE-N	0.57	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	80	NO3NO2-080528	
16887-00-6	CHLORIDE	2.9	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	H080\$28A	
E-10173	TOTAL DISSOLVED SOLIDS	112	10		mg∕L	1.0	SM2540 C	6/2/2008	ÇCN	TDS_080602	
15541-45-4	BROMATE	ND	0.5	O.06B	ug/L	1.0	317.0	8/11/2008	MVP	317_080611A	
E-11778	HARDNESS	65.0	3.30	0.055	mg CaCt	1,0	200,7	6/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	11	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2000	MAK	COD_080804	
E-10139	HYDROGEN ION (pH)	7.24			pH Units	1.0	SM4500-H+ B	5/28/2006	CCN	PH_060528	
E-10184	ELECTRICAL CONDUCTIVITY	162	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_050692	
E-10617	TURBIDITY	4.95	0.05	0.02	NTU	1,0	180.1	5/28/2008	CCN	TURB_080528	
14265-44-2	ORTHO-PHOSPHATE	0.18	0.01	0.005	mg/L	1.0	SM4500-P F	6/28/2008	so	OPHOS-080528	

PQL = Practical Quantitation Limit is the lowest level that can be acheived 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.

WSDOE Lab C1251
WSDOH Lab 046

D.F. - Dilution Factor



Page 3 of 4

Reference Number: 08-07095 Report Date: 6/16/2008

Data Report

Collected By: T. Baker -

Date Received: 5/28/2008

Lab Num	nber: 15130 Samp	ole Descriptio	n: L-S2 -	Mud Creek				Sample	Date: :	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
14797-55-8	NITRATE-N	0.87	0.01	0.0007	mg/L	1.0	8M4500-NO3 F	5/28/2008	80	HO3NO2-080528	
16887-00-6	CHLORIDE	4.6	0.1	0.012	mg/L	1.0	300.0	5/26/2008		1080526A -	
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	8/11/2008	MVP	317_980611A	
E-11778	HARDNESS	112	3.30	0.055	mg CaCt	1.0	200.7	5/30/2006	BJ	200.7-050530A	
E-10117	CHEMICAL OXYGEN DEMAND	21	8.0	2.0	mg/L	t.0	SM5220 D	0/4/2008	MAK	COD_080694	
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	B/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	50	OPHOS-060126	
Lab Nun	nber: 15131 Sam	ple Descriptio	n: H W# 1	- Hall Wells	and			Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Commen
	NITRATE-N	1.03	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/25/2008	50	NO3NO2-08952B	
14797-55-8	BROMATE	ND	0.5	0.068	ug/L	1.0	317.D	6/12/2008	MVP	317_080612A	
15541-45-4	HARDNESS	61.2	3.30	0.055	mg CaC	£ 1.0	200.7	6/30/2008	BJ	200.7-080530A	
E-11778	CHEMICAL OXYGEN DEMAND	ND	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080804	
E-10117	HYDROGEN ION (pH)	6.75			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10139	ELECTRICAL CONDUCTIVITY	163	10		uS/cm	1.D	SM2510 B	8/2/2008	CCH	EC_080602	
E-10184	TURBIDITY :	0.56	0.05	0.02	NTU	1.0	160.1	6/29/2008	CEN	TURB_880528	
E-10617		2.4	0.1	0.012	mg/L	1,0	300.0	5/28/2906	BJ	1050526A	
16887-00-8	CHLORIDE	122	10	5.4	mg/L	1.0	SM2540 C	6/7/2008	CCN	TDS_080652	
E-10173 14265-44-2	TOTAL DISSOLVED SOLIDS ORTHO-PHOSPHATE	0.24	0.01	0.005	mg/L	1,0	SM4500-P F	5/28/2008	80	OPHO8-080528	
Lab Nur	nber: : 15132 San	ple Descripti	on: HW #	/2 - Hall We	liand			Samp	le Date	: 5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyze	d Analy	st Batch	Солпте
14797-55-8	NITRATE-N	0.84	0.01	0.0007	mg/L	1.0	5M4500-NO3	F 6/28/2006	50	NO3NO2-08052	3
15541-45-4	BROMATE	ND	0.5	890.0	ug/L	1.0	317.0	0/12/2008	MVP	317_080612A	
E-1177B	HARDNESS	48.6	3.30	0.055	កាឮ Cat	CC 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	6/4/200B	MAK	COD_080804	
E-10139	HYDROGEN ION (pH)	6.61			pH Uni	ts 1.0	SM4500-H+ E	5/26/2008	ÇCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	135	10		uS/cm	1.1	sM2510 B	6/2/2008	CCN	EC_060862	
E-10617	TURBIDITY	1.24	0.05	0.02	NTU	1.5	0 180.1	5/26/2008	CCN	TURB_080526	
		1.6	0.1	0.012	mg/L	1.0	o 30 0.0	5/28/2008	BJ	109052BA	
	CHLORIDE										
16887-00-6 E-10173	CHLORIDE TOTAL DISSOLVED SOLIDS	112	10		mg/L	1.	o SM2540 C	6/2/2008	CCN	TDS_060602	

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

WSDOE Lab C1251

WSDOE Lab C1251

D.F. - Dilution Factor



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Reference Number: 08-07095 Report Date: 6/16/2008

Data Report

Collected By: T. Baker -

Date Received: 5/28/2008

LabNum	b Number: 15133 Sample Description: HW #3 - Hall Wetland						Sample Date: 5/27/2008				
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comment
14797-55-8	NITRATE-N	1.11	0.01	0.0007	mg/L	1,0	SM4500-NO3 F	5/28/2008	50	NO3NO2-080526	
15541 -45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/12/2006	MVP	317_060612A	
E-11778	HARDNESS	61.8	3.30	0.055	mg CaCt	1.0	200.7	5/30/2006	₽J	200.7-080550A	
E-101 17	CHEMICAL OXYGEN DEMAND	10	8.0	2.0	mg/L	§.D	SM5220 D	0/4/2006	MAK	COD_980604	
E-10139	HYDROGEN ION (pH)	6.74	•		pH Units	1.0	SM4500-H+ 9	5/29/2008	CCN	PH_08052B	
E-10617	TURBIDITY	8.45	0.05	0.02	NTU	1.0	180,1	5/26/2008	CCN	TURB_080528	
16887-00-6	CHLORIDE	2.3	0.1	0.012	mg/L	1.0	300.0	5/28/2008	Bì	1080528A	
E-10173	TOTAL DISSOLVED SOLIDS	120	10		mg/L	1.0	SM2540 C	8/2/2008	CCN	TDS_080602	
14265-44-2	ORTHO-PHOSPHATE	0.23	0.01	0.005	mg/L	1.0	SM4500-P F	6/28/2008	50	OPHOS-080528	
E-10184	ELECTRICAL CONDUCTIVITY	152	10		uS/cm	1.0	SM2510 B	6/13/2006	CCN	EC_080613	



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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^		
	11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
•	53469-21- 0	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 delected above the kisted practical quantitation limit (POL) or not above the Method Detection Limit (MDL), ill requested.

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

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

J - Enlimated value.

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

MCF - Nation Defection that is the light, withintal concentration is combined can be measured and reported with 88% confidence that the compound concentration is greater than zero.



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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: HBDIC OBS1

Sample Description: HBDIC

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type:

Sampler Phone:

Lab Number: 04615124 Report Date: 6/10/2008 Date Analyzed: 6/9/2008 Extraction Date: 508_080609

Analyst: GEB

Peer Review:

Analytical Method: 508.

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	AROGLOR 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	u g/ L	0.1	0.1		
8001-35-2		ND	ug/L	1	0.5	3	

ND = Not delected above the listed practical quantitation timit (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.

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

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

MDL- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 90% confidence that the compound concentration is greater than zero.



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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 Aroctors)	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	80.0			
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 Lovel, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (EAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established.
PQL - Prodical 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 199% confidence that the compound concentration is greater than zero.



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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 2

Peer Review:

Analytical Method: 508.1

Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT	
	PCBs/Toxaphene	<u> </u>						
1336-36-3	PCBS (Total Aroctors)	MD	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	ս ց/ և	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 *	80.0			
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1			
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3		

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

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

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

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 89% 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: L-1

Sample Description: Locker Rd Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615125 Report Date: 6/16/2008 Date Analyzed: 6/11/2008 Extraction Date: 531_080611 Analyst: CO

Peer Review: MVA Analytical Method: 531.2

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	ugv/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	⊔g/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	88.0			
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 delected above the listed practical quantilization limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL- Maximum Conteminant Level, maximum permissible level of a conteminant in writer established by EPA, NPDWR. State Advisory Level (BAL) for Unregulated compounds.

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

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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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

Fleid ID: L-2

Sample Description: Locker Rd

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615126 Report Date: 6/16/2008 Date Analyzed: 6/11/2008 Extraction Date: 531_080611

Analyst: CO

Peer Review: MVA Analytical Method: 531.2

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	ПD	ug/L	1.0	0.87	40		
	EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	ND	nĝ/L	1.0	0.71		•	
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83	•		
16752-77-5	METHOMYL	ND	ug/∟	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	METHICCARB	ND	ug/L	1.0	0.76			

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

MCL- Maximum Contended to 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 Unit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the labble 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: L-3

Sample Description: Locker Rd

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615127 Report Date: 6/16/2008 Date Analyzed: 6/11/2008 Extraction Date: 531_080611

Analyst: CO

Peer Review: MUA Analytical Method: 531.2

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	88.0		
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		

NO = Not detected above the listed practical quantitation limit (PCL) or not above the Method Detection Unit (MDL). If requested.

MCL- Maximum Conteminent Level, maximum permiseible 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 chaing the initial calibration.

ADL - Method Detection Limit is the lab's minimum concentration of compound can be measured and reported with 88% 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: L-Intake

Sample Description: L-Intake

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615128 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		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	88.0		
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		

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

J - Estimated value

ND = Not detected above the listed practical quantitation himit (PQL) or not above the Method Detection Limit (MOL), 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.

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

MDL - Method Oetection Limit is the lati's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is grader 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: HBDIC OBS1

Sample Description: HBDIC

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615124 Report Date: 6/16/2008 Date Analyzed: 6/11/2008 Extraction Date: 531_080611

Analyst: CO Peer Review: MUA Analytical Method: 531.2

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		

NO = Not defected above the listed practical quantitation first (POL) or not above the Method Detection Limit (MOL), if requested.

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

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

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

MDL - Method Detection Limit is the lab's infinium 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

ClientName: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Field ID: L-S1

Sample Description: Mud Creek

Sampled By: T. Baker Sample Date: 5/27/2008

Source Type:

Sampler Phone:

Lab Number: 04615129 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	u g/ L	1.0	0.83			
16752-77-5	METHOMYL	ND	u g/L	1.0	0.86			
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0			
116-06-3	ALDICARB	ND	и д/L	1.0	88.0			•
63-25-2	CARBARYL	ND	ug/L	1.0	0.53			
	State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	ND	սց/Լ	1.0	0.72			
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76			

FORM: SOC_GEN

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

MCL-Miximum Contaminant Levet, maximum permissible levet of a contaminant in water established by EPA, NPDWR. Blate Advisory Levet (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 infermum 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

ClientName: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Field ID: L-S2

Sample Description: Mud Creek Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615130 Report Date: 6/16/2008 Date Analyzed: 6/11/2008 Extraction Date: 531_080611 Analyst: CO

Peer Review: MUA Analytical Method: 531.2

Carbamates

							- Octobrillates	
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	บg/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	u g/ L	1.0	0.72			
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76			

NO = Not detected above the Roled practical quantitation limit (POL) or not above the Method Detection Limit (MOL). If requested.

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

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

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

MDL - Method Detection Limit is the latt's minimum concentration a compound can be measured and reported with 98% 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#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- 6 6-2	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	ALDICARE 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 - Öther						
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		•
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

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

PCL - Practical Quantitation Limit is the concentration of the standard enalyzed during the Initial colibration.

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 #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	∪g/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 fisted practical quantitation limit (PCIL) or not above the Method Detection Limit (MDL), if requested.

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

PQL - Paradical Countilation Limit is the concentration of the standard analyzed during the initial calibration.

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

J - Estimated value.

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



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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						
231 35-22-0	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	88.0		
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		

NO = Not detected above the listed practical quantitation timit (PCL) or not above the Method Detection Limit (MLR.), if requested

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

POL - Practical Cuarathistics Limit is the concentration of the standard analyzed during the initial calibration.

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



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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: HBDIC OBS1

Sample Description: HBDIC

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone: Lab Number: 04615124
Report Date: 6/26/2008
Date Analyzed: 6/18/2008
Extraction Date: 515_080602
Analyst: CO

Peer Review: MUA Analytical Method: 515.1

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	8.0	0.10		
93-76-5	2,4,5 T	NĐ	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		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

NO = Not detected above the listed practical quantilation 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 Unrequisted compounds

A blank MCL or SAL value indicates a level is not currently established. PQL - Practical Quantitation Utrait is the concentration of the standard analyzed during the initial celebration.

MDL - Method Detection Limit is the fab'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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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: L-1

Sample Description: Locker Rd

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615125 Report Date: 6/26/2008 Date Analyzed: 6/18/2008 Extraction Date: 515_080602

Analyst: CO

Peer Review: MUA

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	u g/ 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	OCPA (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		

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

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

NO - Not detected above the tisted practical quantitation fund (POL) or not above the Method Detection Limit (MDL), if requested.

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

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



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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: L-2

Sample Description: Locker Rd

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type:

Sampler Phone:

Lab Number: 04615126 Report Date: 6/19/2008 Date Analyzed: 6/17/2008

Extraction Date: 515_080602

Analyst: CO

Peer Review: MUA

Analytical Method: 515.1

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	8.0	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		

NO - Not detected above the listed practical quantitation firms (PQL) or not above the Method Detection Limit (MDL), if requested.

MEL-Maximum Contempant Level, maximum complisible level of a contempant in water established by EPA, NPOWR, State Advisory Level (SAL) for Unrequisited compounds.

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

Pol. - Practical Quantitation Limit is the concentration of the standard analyzed during the initial contraction.

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



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10-1-10-6

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: L-3

Sample Description: Locker Rd

Sampled By: T. Baker

Sample Date: 5/27/2008 Source Type:

Sampler Phone:

Lab Number: 04615127 Report Date: 6/26/2008 Date Analyzed: 6/18/2008

Extraction Date: 515 080602

Analyst: CO

Peer Review: AWA Analytical Method: 515.1

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated				<u> </u>		,
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	u g/ 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 & Melabolites)	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	8.0	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		

MD = Not districted above the listed practical quantitation limit (POL) or not above the Method Detection Limit (MDL), if requested,

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

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

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

MDL - Method Detection Limit is the fab'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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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: L-Intake Sample Description: L-Intake Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615128 Report Date: 6/26/2008 Date Analyzed: 6/18/2008 Extraction Date: 515 080602

Analyst: CO Peer Review: MVA Analytical Method: 515.1

CAS	COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated							
94-75-7	2,4 · D	1	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	
75-9 9- 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)		0.2	ug/L	0.1	0.089		GC/MS CONFIRMED
94-82-6	2,4 DB		ND	ug/L	8.0	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	n8\r	0.3	0.089		
50594-66-6	ACIFLUORFEN		ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN		ND	∪g/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID		ND	ug/L	0.1	0.044		

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

MCL. Maulmum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDVR. State Advisory Level (BAL) 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 like labs minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.



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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/HBB(C

Field ID: L-S1

Sample Description: Mud Creek

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615129 Report Date: 6/26/2008 Date Analyzed: 6/17/2008 -

Extraction Date: 515_080602

Analyst: CO Peer Review: MVA

Analytical Method: 515.1

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)	0.4	ug/L	0.1	0.089		GC/MS CONFIRMED
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	пауГ	0.1	0.044		

NO = Not detected above the listed practical quantitation limit (POL) or not above the Method Detection Limit (MOL), 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 cellbration.

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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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: L-S2

Sample Description: Mud Creek

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 04615130 Report Date: 6/26/2008 Date Analyzed: 6/17/2008 Extraction Date: 515_080602

Analyst: CO Peer Review: MVA

Analytical Method: 515.1

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated	·					
94-75-7	2,4 - D	ND	ug/L	D.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	DALAFON	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	0.18	ug/L	0.1	0.045		GC/MS CONFIRMED
	State Unregulated ;						
1861-32-1	TOTAL (DCPA & Metabolites)	0.2	ug/L	0.1	0.089		GC/MS CONFIRMED
94-82-6	2,4 DB	ND	ug/L	8.0	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	n a /F	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ИD	ug/L	0.1	0.044		

ND = Not delected above the fisted practical quantitation limit (PQL) or not above the Method Detection Limit (NDL), if requested.

MCL. Madmum Conteminant Level, maximum permissible level of a conteminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unrequisted compounds.

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

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

PCL - Practical Quantilation Limit is the concentration of the standard analyzed during the initial calibration.

NDL - Method Detection Limit is the fab'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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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: MU/ Analytical Method: 515.1

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	ΝD	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	8.0	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 a 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 (evel 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 lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than 2ero.



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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

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT	
	EPA Regulated							
84-75-7	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	ขg/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	8.0	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, NPDWR. State Advisory Level (SAL) for Unregulated contipounds.

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

PGL - 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 96% confidence that the compound concentration is greater than zero.



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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: MVA

Analytical Method: 515.1

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated				<u> </u>		
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	NQ	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	980.0	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 ⊤	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	מא	ug/L	0.1	0.044		

ND = Not delected above the listed practical quantitation limit (PQL) or not above the Molinod 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 cubication.

MDL. - Method Detection Utrill 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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DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Lab Number: 15131 -

Field ID: HW#1

Sample Description: Hall Wetland

Matrix: Water

Collect Date: 5/27/2008

Extraction Date: 6/3/2008 Extraction Method: 3535 Reference Number: 08-07095

Project: Locker/Hall Wetland/HBB!C

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



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WSDOE Lab C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

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

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Report Date: 6/16/2008

Date Analyzed: 6/13/2008

Analyst: GEB

Peer Review:

Analytical Method: 549.2

Paraquat

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



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WSDOE Leb C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Lab Number: 15133

Field ID: HW #3

Sample Description: Hall Wetland

Matrix: Water

Collect Date: 5/27/2008

Extraction Date: 6/3/2008 Extraction Method: 3535

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

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

Analyst: GEB

Peer Review:

Analytical Method: 549.2

Paraquat

CAS ID# COMPOUNDS RESULT Flag PQL. MDL **Units** D.F. Batch COMMENT **PARAQUAT** 1910-42-5 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 quadriters on your report definitions can be found on an accompanying sheet.

NO - incicates the compound was not detected above the PQL or MDL.

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



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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: HBDIC OBS1

Sample Description: HBDIC

Sampled By: T. Baker

Sample Date: 5/27/2008

Source Type: Sampler Phone:

Lab Number: 15124 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	
58-8 9 -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	Q.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	80.0	1	screening only / compliance by 51
	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	4°,	
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 proclical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

J - Estimated value.

MCL- Miximum Conteminant 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.

PCL - Practical Quantitation Limit is the concentration of the standard analyzed during the Initial calibration.

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



Reference Number: 08-07095 Page 2 of 2

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Lab Number: 15124 Report Date: 7/3/2008

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 Matri
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		
ı	- PAHs						•
91-20-3	NAPTHALENE	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		i
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	NĐ	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		

MCL. Maximum Contambant Level, maximum pennissible level of a contambant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.

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

PQL -Practical Quantification Limit is the concentration of the standard analyzed during the initial cationation.

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

J - Estimated value.



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Page 1 of 2

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	iug/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	80.0	1	screening only / compliance by 515.
	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	42	
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), 11 requested.

I - Estimated value.

MCL- Maximum Contaminant Level, reaximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (EAL) 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 snalyzed 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



Reference Number: 08-07095 Page 2 of 2

Lab Number: 15131 Report Date: 7/3/2008

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		
1	- PAHs						-
91-20-3	NAPTHALENE	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		
12 9 -00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
B5-68-7	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 (PCL) or not above the Method Detection Limit (MDL), if requested.

MCt.- Maximum Contaminant Level, maximum permissible level of a contaminant in writer 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.
MQL - Method Detection Limit is the labs minimum concentration a compound can be measured and reported with 89% confidence that the compound concentration is greater than zero.



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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 #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: 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	
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 i	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	80.0	1	screening only / compliance by 51:
	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 (POL) or not above the Method Detection Limit (MDL), if requested.

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

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

MCL-Akaximum Conterninant Levet, maximum permissible levet of a contaminant in water established by EPA, NPDWR. State Advisory Levet (SAL) for Unregulated compounds.

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.



Reference Number: 08-07095 Page 2 of 2

Lab Number: 15132 Report Date: 7/3/2008

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 Matri
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	G. 1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
•	- PAHs						-
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208 -96- 8	ACENAPHTHYLENE	ND	u g/L	0.1	0.025		
83-32- 9	ACENAPHTHENE	ND	u g/ 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- 6 8-7	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 fisted practical quantitation limit (PCL) or not above the Method Detection Limit (MDL), if requested.

J - Estimated value.

MCL- Maximum Conterrinent 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.

PCL - Practical Quantitation Limit is the concentration of the standard analyzed during the Initial established.

MDL - Nethod Detection Limit is the tab's minimum concentration a cumpound can be measured and reported with 98% confidence that the compound concentration is greater than zero.



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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:

Report Date: 7/3/2008 Date Analyzed: 6/16/2008 Extraction Date: 525 080609

Lab Number: 15133

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	ս ց/ 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 i	ND	ug/L	D.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	80.0	1	screening only / compliance by 515
	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	25	
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		•
•	State Unregulated - Other						
314-40-9	BROMACIL	ND	սց/Լ	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

NO - Not detacted above the listed practical quantitation limit (POL) or not above the Method Detection Limit (MDL), if requested.

MCL- Maximum Conteminant Level, maximum permissible level of a contensional 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 assistation in water assistant in water assistan



Reference Number: 08-07095 Page 2 of 2

Lab Number: 15133 Report Date: 7/3/2008

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 Aciditied 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	NAPTHALENE	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 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		

NO = Not detected above the listed practical quantitation timit (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 - Midthod Detection Limit is the let/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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COMMENT

Project: Locker/Hall Wetland/HBBIC

DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Lab Number: 15131

Field ID: HW#1

Sample Description: Hall Wetland

Matrix: Water

Collect Date: 5/27/2008

Extraction Date: 6/9/2008

Extraction Method: 3535

Date Analyzed: 6/25/2008

Analyst: CO Peer Review: MVA

Report Date: 7/9/2008

Reference Number: 08-07095

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_080609	Qualitative analysis	
20.2 00 0	, , ,			- 3 ·-				_	-	
80-05-7	BISPHENOL-A	ND		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	L.		
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	1		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0	1		
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	ו		

Result of:

NA - indicates the compound was not analyzed.

Flags are data qualifiers, if there are data qualifiers on your raport definitions can be found on an accompanying sheet.

NO - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived 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

Lab Number: 15124

Field ID: HBDIC OBS1

Sample Description: HBDIC

Matrix: Water

Extraction Date: 6/9/2008

Extraction Method: 3535

Collect Date: 5/27/2008

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Report Date: 7/9/2008

Date Analyzed: 6/25/2008

Analyst: CO

Peer Review: MVA

Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	<u>Units</u>	PQL.	MDL	D.F.	Batch	COMMENT	_
	**				•				÷	
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080609	Qualitative analysis	
				-						
80-05-7	BISPHENOL-A	0.5		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			
601 68-88 -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	NĐ		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	1		
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)		

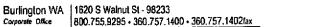
Result of:

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.

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PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of practices quantitation but accuracy during routine (aboratory 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

Lab Number: 15132

Field ID: HW #2

LABORATORIES

Sample Description: Hall Wetland

Matrix: Water

Collect Date: 5/27/2008

Extraction Date: 6/9/2008 Extraction Method: 3535 Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Report Date: 7/9/2008

Date Analyzed: 6/25/2008

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
	·								·
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080609	Qualitative analysis
			•						•
80-05-7	BISPHENOL-A	0.6		ug/L	0.1	-		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		
1 22-34-9	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		4
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.

Plags 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 POL or MDL.

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DATA REPORT

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

Milton-Freewater, OR 97862

Lab Number: 15133

Field ID: HW #3

Sample Description: Hall Wetland

Matrix: Water

Collect Date: 5/27/2008

Extraction Date: 6/9/2008

Extraction Method: 3535

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC

Report Date: 7/9/2008

Date Analyzed: 6/25/2008

Analyst: CO

Peer Review: AUA Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT Flag	Units	PQL	MDI.	D.F.	Batch	COMMENT	
	· · · · · · · · · · · · · · · · · · ·								
2312-35-8	PROPARGITE	ND	ug/L		-	1.0	525X_080809	Qualitative analysis	
2012 00 0	(· · · · · · · · · · · · · · · · · · ·		•						
80-05-7	BISPHENOL-A	ND	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	ı		
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	ס		
51235-04-2	HEXAZINONE	ND	ug/L	0.1	0.05	1.0	3		

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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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095

Report Date: 07/09/08

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	QualifierType*	Comment
200.7-08 0530A	HARDNESS	70	69.5	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_08 06 02	2,4 - D	2.08	2	ug/L	515.1	104	70-130	LFB	
0.0_00002	2,4 - DCAA (SURR)	113	-	% %	515.1	10-1	70-130	2. 2	·
	2.4 DB	9.55	В	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_ 0806 09	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2		70-130	LFB	
020_00000	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		
	ATRAZINE	2.09	2	ug/L	525.2	105	70-130		
4	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		

[&]quot;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 tike 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

QC Тпие Recovery Limits QualifierType* Batch Method Comment Analyte Units Result Value 525_080609 BENZO(G,H,I)PERYLENE 0.92 525.2 70-130 LF8 1 ug/L 96 70-130 BENZO(K)FLUORANTHENE 525.2 0.961 ug/L BENZYL BUTYL PHTHALATE 525.2 105 70-130 1.05 1 ug/L BROMACIL 1.03 525.2 103 70-130 1 ug/L 102 70-130 BUTACHLOR 525.2 1.02 ug/L CHLORDANE, TECHNICAL 0.97 525.2 97 70-13D ug/L 103 70-130 CHRYSENE 525.2 1.03 1 ua/L 70-130 85 **CYANAZINE** 0.85 1 ug/L 525.2 DI(ETHYLHEXYL)-ADIPATE 525.2 104 70-130 1.04 1 ug/L DI(ETHYLHEXYL)-PHTHALATE 1.23 525.2 123 70-130 1 ug/L 525 2 100 70-130 DIAZINON ug/L DIBENZO(A,H)ANTHRACENE 525.2 96 70-130 0.96 1 ug/L 70-130 DIELDRIN 0.99 525.2 1 ug/L 1.10 70-130 DIETHYL PHTHALATE 525.2 1.1 1 ψg/L 106 DIMETHYL PHTHALATE 1.06 ug/L 525.2 70-130 525.2 114 70-130 DI-N-BUTYL PHTHALATE 1.14 1 ug/L 96 70-130 ENDRIN 0.96 525.2 ug/L **EPTC** 0.96 525.2 96 70-130 ug/L **FLUORENE** 1.04 1 525.2 104 70-130 ug/L 525.2 96 70-130 **HEPTACHLOR** 0.96ug/L 70-130 HEPTACHLOR EPOXIDE 0.94 ug/L 525.2 94 **HEXACHLOROBENZENE** 0.97 1 ug/L 525.2 97 70-130 HEXACHLOROCYCLO-PENTADIENE 525.2 92 70-130 0.92 1 ug/L 95 70-130 INDENO(1,2,3-CD)PYRENE 0.95 1 525.2 ug/L 97 70-130 LINDANE (BHC - GAMMA) 0.97 1 525.2 ug/L 101 70-130 MALATHION 525.2 1.01 1 ug/L 108 METHOXYCHLOR 1.08 1 525.2 70-130 ug/L 106 70-130 METOLACHLOR 1.06 1 525.2 ua/L 81 70-130 METRIBUZIN 525.2 0.81 1 ug/L 83 **PARATHION** 0.83 525.2 70-130 ug/L 122 70-130 PENTACHLOROPHENOL 4 525.2 4.87 ua/L PERYLENE-D12 (Surr) 70-130 101 525.2 100 **PHENANTHRENE** 1 ug/L 525.2 70-130 **PROPACHLOR** 1.02 1 ug/L 525.2 102 70-130 PYRENE 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

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080609	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 (Sur)	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	i	
531_080611	3-HYDROXYCARBOFURAN	9.3	10	ug/L	531.2	93	70-130	LFB	
	ALDICARE	8.5	10	ug/L	531.2	85	70-130	1	
	ALDICARE SULFONE	8.8	10	υg/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/t	531.2	94	70-130	ו	
	METHIOCARB	9.1	10	ug/L	531.2	91	70-130	נ	
	METHOMYL	10	10	υg/L	531.2	100	70-130)	
	OXYMAL	9.3	10	ug/L	531.2	93	70-13	D	
	PROPOXUR (BAYGON)	9.5	10	ug/L	531.2	95	70-13	0	
531_080611	3-HYDROXYCARBOFURAN	20	20	ug/L	531.2	100	70-13	C LFB	
	ALDICARB	19	20	ug/L	531.2	95	70-13	0 ,	
	ALDICARB SULFONE	19	20	· ug/L	531.2	95	70-13	0	
	ALDICARB SULFOXIDE	18	20	ug/L	531.2	90	70-13	0	

^{*}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

Laboratory Fortified Blank

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

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
531_080611	CARBARYL	19.5	20	ug/L	531.2	98	70-130	ĹFВ	
•	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	ប ព្ /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		Limite 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	Ø8	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	54 9 .2	71	70-130	LFB	
COD_080504	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	
tds_080602	TOTAL DISSOLVED SOLIDS	500	500	mg/L	SM2540 C	100	80-120	LFB	
tds_080602	TOTAL DISSOLVED SOLIDS	488	500	mg/L	SM2540 C	98	80-120	LFB	
ids_080602	TOTAL DISSOLVED SOLIDS	523	500	mg/L	SM2540 C	105	80-120	LFB	

^{*}Notation:

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

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OCS: 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

Laboratory Reagent Blank

Reference Number: 08-07095

Report Date: 07/09/08

			True			%	QC	
Balch	Analyte	Result	Value	Units	Method	Recovery Limits	Qualifier Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7	10.00	DOC LRB	
317_080606A	BROMATE	ND		ug/L	317.0	0.000	00 LRB	
317_080611A	BROMATE	ND		ug/L	317.0	0.000	00 LRB	
317_060 6 12A	BROMATE	ND		ug/L	31,7.0	0.000	00 LRB	·
COD_080604	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D	4.000	00 LRB	
1080528A	CHLORIDE	ND		mg/L	300.0	0.100	000 LRB	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0.100)00 LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095

Report Date: 07/09/08

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7		0.82000	МВ	
								_	
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	1	
	2,4,5 ͳ	ND		ug/L	515.1		0.10000	1	
	ACIFLUORFEN	ND		ug/L	515. t		0.50000	ŀ	
•	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)	
	DINOSES	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		0.0500		
	4,4-DDT	ND		ug/L	525.2		0.0500		
	ACENAPHTHENE	ND		ug/L	525.2		0.0500	0	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08~07095

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualitier Type*	Comment
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	1	
	ATRAZINE	ND		ug/L	525.2		0.02000	1	
	BENZ(A)ANTHRACENE	ND		ug/t	525.2		0.02000	1	
	BENZO(A)PYRENE	ND		ug/L	525.2		0.02000	•	
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2		0.05000	I	
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2		0.05000	ı	
	BENZO(K)FLUORANTHENE	- ND		ug/L	525.2		0.05000	I	
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2		0.60000	1	
	BROMACIL	ND		ug/L	525.2		0.05000	ŀ	
	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		00000.0)	
	DIMETHYL PHTHALATE	ND		ug/L	525.2		0.6000)	
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2		0.6000)	
	ENDRIN	ND		ug/L	525.2		0.0200)	
	EPTC	ND		ug/L	525.2		0.0700	נ	
	FLUÓRANTHENE	ND		ug/L	525.2		0.0500	כ	
	FLUORENE	ND		ug/L	525.2		0.0500	נ	
	HEPTACHLOR	ND		ug/L	525.2		0.0200	3	
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2		0.0200	ס	
	HEXACHLOROBENZENE	ND		ug/L	525.2		0.0200	ס	
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2		0.0200	ם	
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2		0.0500	D	
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.0200	0	
	MALATHION	ND		ug/L	525.2	w ²	0.0500	0	
	METHOXYCHLOR	ND		ug/L	525.2		0.0200	о ,	
	METOLACHLOR	ND		ug/L	525.2		0.2500	0	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095

			True			. %		QC OC		
Batch	Analyle	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment	
525_080609	METRIBUZIN	ND		ug/L	525.2		0.05000	мв		
•	NAPTHALENE	ND		ug/L	525.2		0.02000	•		
	PARATHION	ND		nô⁄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.	526.2		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	Allo			525.2	•	0.10000) MB		
323/_060609		ND		ug/L			0.00000			
	AZINPHOS-METHYL	ND		ug/L	525.2					
	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	D		
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000	D		
	PHOSMET	ND		ug/L	525.2		0.1000	ס		
	PROPARGITE	ND		ug/L	525.2		0.0000	ם		
	TRIADIMEFON	ND		ug/L	525.2		0.0000	D .		
	TRIFLUMIZOLE	ND		ug/L	525.2	e7 ,	1.0000	0		

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SAMPLE INDEPENDENT **QUALITY CONTROL REPORT**

Method Blank

Reference Number: 08-07095

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
531_080611	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000	МВ	
	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		
	METHICCARB	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_080603	PARAQUAT	ND			549.2		0.50000	MB	•
010_00000	PARAGONI	140		ug/L	J45.2		0.50000	ME	
						•			
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	мв	
_									4
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) МВ	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000) MB	
	ELECTRICAL COURTERWAY						B 5000		
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.5000	о мв	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.1000	о мв	
OI 1100-000320	DRITION FIGURALE	ND		ingre	Sitte-Score 1		y. 1000		
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	w f	2.5000	0 мв	
	TOTAL DIGGGLATE BOLLD.			•		. •	0.000	a im	
ids_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	•	2.5000	о імв	

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095

Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery Limits	QC QualifierType*	Comment
lds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000) MB	
turb_080528	TURBIDITY	ND		NTU	180.1	0.02000) МВ	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-07095

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	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_08 06 11A	BROMATE	37.8	40.8	ug/L	317.0	93	70-130	QCS	
317_080812A	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	⊔g/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		
	PROPOXUR (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	o ocs	
ec_0806D2	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-12	o qes	
ec_080602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-12	o qcs	
ec_080602	ELECTRICAL CONDUCTIVITY	173	169	uS/cm	SM2510 B	102	80-12	o qcs	
ec_080602	ELECTRICAL CONDUCTIVITY	172	169	uS/cm	SM2510 B	102	80-12	o cocs	

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Bellingham WA 805 Orchard Dr Suite 4 - 98225 360.671.0688 • 360.671.1577fax Page 12 of 12



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-07095

			True			%		QC	
Batch	Analyle	Result	Value	Units	Method	Recovery	Limits	QualifierType*	Comment
	,							_	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	60-120	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	
							٠		
1080528A	CHLORIDE	29.1	30.0	mg/L	300.0	97	80-120	ocs	
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	80-12 0		
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	

^{*}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 leb performance.

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



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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-07095 Report Date: 7/9/2008

Duplicat	e			má F					
-				Duplicate				QC	
Batch	Sample	Analyte	Result	Result	Units	%RPD	Limits	Qualifler	Comments
200.7-0805304	A							VIII	
	15125	HARDNESS	156	156	mg CaCO3/L	0.0	0-45	t	OUP
	15169	HARDNESS	79.8	81.1	mg CaCO3/L	1.6	0-45	Į.)UP
17_080606A									
317 080611A									
317_080612A									
,,,_0000,120,		BROMATE	6.5	6.7	ug/L	3.0	0-50	Ţ	υP
515_080602					-				
525_080609									
)23_00000a	15132	1,3-DIMETHYL-2-NITROBENZENE (Sum	98	96	%	2,1	0-45)UP
		PYRENE-D10 (Surr)	96	96	%	0.0	0-45)UP
		PERYLENE-D12 (Surr)	103	102	%	1.0	0-45	C)UP
		TRIPHENYLPHOSPHATE (Sum)	108	112	%	3.6	0-45	()UP
		1,3-DIMETHYL-2-NITROBENZENE (Sur	98	96	%	2.1	0-45	ι)UP
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45	C)UP
		PERYLENE-D12 (Sum)	103	102	%	1.0	0-45	ŧ	OUP .
	15132	TRIPHENYLPHOSPHATE (Sum)	108	112	%	3.6	0-45	ſ)UP
525X_080609		e e e e e e e e e e e e e e e e e e e			•				
		BISPHENOLA	0.6	0.6	ug/L	0,0	0-20	(UP
COD_080604									
30D_0000-+	15260	CHEMICAL OXYGEN DEMAND	8900	885D	mg/L	0.6	0-45		nup
EC_080602									
	15127	ELECTRICAL CONDUCTIVITY	129	129	uS/cm	0.0	0-45	ι	DUP
	15147		400	403	uS/cm	0.7	0-45)UP
	15483	ELECTRICAL CONDUCTIVITY	732	732	uS/cm	0.0	0-45	E	OUP .
EC_080613							1		
·	16628	ELECTRICAL CONDUCTIVITY	301	301	uS/cm	0.0	0-45	I	DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report



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Reference Number: 08-07095

Report Date: 7/9/2008

Duplicate

			•	Duplicate				Q C	
Batch	Sample	Analyle	Result	Result	Units	%RPD	Limits	Qualifier	Comments
	16978	ELECTRICAL CONDUCTIVITY	237	237	uS/cm	0.0	0-45	DUP	
	17042	ELECTRICAL CONDUCTIVITY	744	743	uS/cm	0.1	0-45	DUP	•
1080528A									
	15147	CHLORIDE	31	31	mg/L	0.0	0-45	DUP	
	15169	CHLORIDE	26	26	mg/L	0.0	0-45	DUP	
NO3NO2-080	528								
	15050	NITRATE-N	0.54	0.54	mg/L	0.0	0-20	DUP	
	15060	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-0805	28								
	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)	8.75	6.70	pH Units	0.7	0-45	DUP	
	15169	HYDROGEN ION (pH)	B.10	8.08	pH Units	0.2	0-45	DUP	
TDS_080602									
150_0000		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_08052	28								
		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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Reference Number: 08-07095 Report Date: 7/9/2008

Matrix Spike

Spike Spike Spike Percent Recovery QC Batch Result Result Sample Analyte Result Conc Units MS MSD Limits %RPD Limits Qualifier Comments 200.7-080530A 15125 HARDNESS 156 220 221 69.5 mg CaCO3/L 92 94 80-120 0.60 LFM 1.6 79.8 146 146 69.5 95 15169 HARDNESS mg CaCO3/L 95 80-120 0-60 0.0 LFM 317_080606A 14879 BROMATE ND 9.3 10.0 ug/L 93 NA 70-130 NA 0-50 LFM 317 080611A ND 10 76 NA LFM 15130 BROMATE 7.6 ug/L 70-130 NA 0-50 317_080612A 70-130 LFM 15036 BROMATE 6.5 18 10 ug/L 115 NA NΑ 0-50 NA 15512 BROMATE ND 10.9 10 ug/L 109 70-130 NA 0-50 LFM 515 080602 ND 2.16 2 ug/L 108 NA 65-135 NA 0.60 LFM 14221 2,4 - D NA LFM ND 1.19 1 ug/L 119 65-135 NA 0-60 14221 2,4,5 - TP (SILVEX) 106 NA 65-135 NA 0-60 LFM 14221 PENTACHLOROPHENOL ND 1.06 1 ug/L LFM 13 ug/L 93 NΑ 65-135 NA 0-60 14221 DALAPON ND 12.1 LFM 2 141 NA 85-135 NA 0-60 AΗ ND 2.81 ug/L 14221 DINOSEB LFM ND 0.96 1 ua/L 96 NA 65-135 NA 0-60 14221 PICLORAM LFM. 105 NA 65-135 NA 0-60 1 ug/L ND 1.05 14221 DICAMBA NA 65-135 NA 0-60 LFM ug/L 119 ND 1,19 14221 TOTAL (DCPA & Melabolites) 133 NA 65-135 NA 0-60 LFM ND 10.6 6 ug/L 14221 2,4 DB 65-135 NA 0-60 LFM ND 1.06 1 ug/L 106 NA 14221 2,4,5 T LFM 2 113 NA 65-135 NA 0-60 ND 2.26 ug/L 14221 BENTAZON LFM NA NΑ 0-60 3 ug/L 96 65-135 14221 DICHLORPROP ND 2.89 **LFM** 0-60 ug/L 129 NA 65-135 NA 1 14221 ACIFLUORFEN ND 1.29 0-50 LFM 76 NA 65-135 NA ug/L ND 0.76 14221 CHLORAMBEN NΑ 70-130 NΑ 0-60 LFM % 108 116 14221 2,4 - DCAA (SURR) 525_080609 0-60 LFM ug/L 99 NA 70-130 NA ND 0.99 15133 ENDRIN 1 100 NA 70-130 NA 0-60 LFM ug/L ND 15133 LINDANE (BHC - GAMMA) LFM 114 NA 70-130 NA 0-60 ug/L ND 1.14 15133 METHOXYCHLOR LFM NA 0-60 2 ug/L 104 NΑ 70-130 ND 2.08 15133 ALACHLOR 0-80 LFM 70-130 2.25 2 ug/L 113 NΑ ND 15133 ATRAZINE LFM NA 0-60 75 NA 70-130 ND 0.75 ug/L 15133 BENZO(A)PYRENE LFM NA 70-130 NA 0.60 ND 1.02 ug/L 102 15133 CHLORDANE, TECHNICAL LFM 109 NA 70-130 NΑ 0-60 ug/L 1.09 15133 DI(ETHYLHEXYL)-ADIPATE ND

Duplicate

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.

[%]RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated



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Reference Number: 08-07095 Report Date: 7/9/2008

Matrix Spike

Wallix	Ohive				Duplicat	.0									
				Spike	Spike	Spike		Percen	t Recovery				QC		
Balch		Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifier		Comments
	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	0-50		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	nā/F	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	
		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	ŅA	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	0-80		LFM	
	15133	4,4-DDD	ND	1,06		1	ug/L	106	NA	70-130	NA	0-60		LFM	
		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	
		MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
		PARATHION-ETHYL	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM	
		FLUORENE	ND	1.11		1	ug/L	111	NA	70-130	NA	0-80		LFM	
		ACENAPHTHYLENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
		ANTHRACENE	ND	0.48		1	ug/L	48	NA	70-130	NA	0-60	CC	LFM	
		BENZ(A)ANTHRACENE	ND	0.91		1	ug/L	91	NA	70-130	NA	0-60		LFM	

Duolicate

%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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Reference Number: 08-07095 Report Date: 7/9/2008

Matrix Spike

Spike Spike Spike Percent Recovery QC Batch Sample Analyte Result Result Result Conc Units MŞ MSD Limits %RPD Limits Qualifier Comments 15133 BENZO(B)FLUORANTHENE ND 0.96 96 NA ug/L 70-130 NA 0-60 **LFM** 15133 BENZO(G,H,I)PERYLENE ND Ť uo/L 100 NA 70-130 NA 0-60 LFM 15133 BENZO(K)FLUORANTHENE ND 1.02 uq/L 102 NA 70-130 NA 0-60 LFM 15133 CHRYSENE ND 1.07 107 ug/L NA 70-130 NA 0 - 80LFM ND 15133 DIBENZO(A,H)ANTHRACENE 1.01 uo/L 101 NA 70-130 NA 0-60 LFM ND 15133 INDENO(1,2,3-CD)PYRENE 1.04 104 NA ug/L 70-130 NA 0-60 LFM 15133 PHENANTHRENE ND 1.04 uq/L 104 NA 70-130 NA 0-60 LFM ND 15133 PYRENE 1.04 ug/L 104 NA 70-130 0-60 NA **LFM** 15133 BENZYL BUTYL PHTHALATE ND 1,11 ug/L 111 NA 70-130 NA 0-60 LFM 15133 DI-N-BUTYL PHTHALATE ND 1.23 123 NA ug/L 70-130 NA 0-60 LFM 15133 DIETHYL PHTHALATE ND 1.2 ug/L 120 NA 70-130 NA 0-60 LFM 15133 DIMETHYL PHTHALATE ND 1,1 ug/L 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 102 % NA 70-130 NA 0-60 LFM 15133 TRIPHENYLPHOSPHATE (Surr) 108 525X 080609 ND 2.3 2 ug/L 115 NA 70-130 NA 0-50 LFM 15133 PROPARGITE ND 2.06 2 103 NA 70-130 NA 0-50 LFM 15133 METALAXYL ug/L ND 0.61 ug/L 61 NA 70-130 NA 0-50 LFM 15133 NAPROPAMIDE 1 15133 1-NAPHTHALENEACETAMIDE ND 2.64 2 ug/L 132 NA 70-130 NA 0-50 LFM ND 0.99 ug/L 99 NA 70-130 NA 0-50 **LFM** 15133 FENARIMOL NA LFM 15133 MEVINPHOS ND 1.08 ug/L 54 70-130 NA 0-50 94 NA 70-130 NA 0-50 LFM 15133 CHLORPYRIFOS ND 0.94 1 ug/L 2 112 NA 70-130 NA 0-50 LFM ND 2.24 ug/L 15133 DICOFOL **LFM** NA 70-130 0-50 ND 2.26 ug/L 113 NΑ 15133 PHOSMET NA 0-50 **LFM** ND 80 70-130 NA 8.0 1 ug/L 15133 TRIADIMEFON LFM 2 91 NA 70-130 NA 0-50 ND 1.81 ug/L 15133 TRIFLUMIZOLE NA 0-50 **LFM** 2 ug/L 116 70-130 NA ND 2.32 15133 METHIDATHINON 2 ug/L 133 NA 70-130 NA 0-50 LFM ND 2.65 15133 MYCLOBUTANIL 0-50 LFM ND 1.25 1 ug/L 125 NA 70-130 NA 15133 HEXAZINONE 531_080611 87 NA 70-130 NA: 0-50 LFM ND 6.7 10 ug/L 13899 OXYMAL 88 NA 70-130 NA 0.50 LFM 10 ND 8.8 ug/L 13899 CARBOFURAN LFM 0-50 ua/L 78 NA 70-130 NA ND 7.8 10 13899 ALDICARB SULFOXIDE 10 85 NA 70-130 NΑ 0.50 LFM

Duplicate

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NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of 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.

ug/L

ND

8.5

13899 ALDICARB SULFONE



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Reference Number: 08-07095 Report Date: 7/9/2008

Matrix Spike

Matrix S	pike				Duplicat	e									
			-	Spike	Spike	Spike		Percer	It Recovery				QC		
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifier		Comments
	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	69	NA	70-130	NA	0-50		LFM	•
	13899	ALDICARB	ND	8		10	ug/L	BO	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	4-	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	10.6	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	9.6	8.6	10	ug/L	96	86	70-130	11.0	0-50		LFM	•
	15128	ALDICARB	ND	8.3	7	10	ug/L	83	70	70-130	17.0	0-50		LFM	
	15128	CARBARYL	NĎ	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	8.6	7.4	10	ug/L	86	74	70-130	15.0	0-50		LFM	
COD_080604															
	15131	CHEMICAL OXYGEN DEMAND	ND	57	57	50	mg/L	114	114	80-120	0.0	0-60		LFM	
	15260	CHEMICAL OXYGEN DEMAND	8900	11300	11300	2500	mg/L	96	96	8D-12Q	0.0	0-60		LFM	
1080528A				22		4.00	mail	190	NA	60-120	NA	0-60		LFM	_
		CHLORIDE	31	32		1.00 20.00	mg/L	105	NA NA	80-120	NA	0-60		LFM	
		CHLORIDE	26	47		20.00	mg/L	[05]	1474	00-120	M	0-00		C1 141	
NO3NO2-0805						4.50		480	400	90-110	2.0	0-50		LFM	
		NITRATE-N	0.54	1.56	1.54	1.00	mg/L	102	100	90-110	2.0	0-50		LFM	
		NITRATE-N	0.04	1.07	1.05	1.00	mg/L	103	101	90-110	3.0	0-50		LFM	
		NITRATE-N	0.56	1.59	1.56	1.00	mg/L .	103	100		2.0	0-50		LFM	
	15133	NITRATE-N	1.11	2.11	2.09	1.00	mg/L	100	98	90-110	2.0	0-30		FLIA	
OPHOS-08052								400	468	70.400		0.60		LEM	
	15 05 0	ORTHO-PHOSPHATE	ND	1.09	1.06	1.00	mg/L	109	106	70-130	2.8	0-50		LFM LFM	
	15060		0.32	1.39	1.36	1.00	mg/L	107	104	70-130	2.B	0-50 0-50		LFM	
	15128		0.12	1.17	1.16	1.00	mg/L	105	104	70-130	1.0			LFM	
	15133	ORTHO-PHOSPHATE	0.23	1.27	1.30	1.00	mg/L	104	107	70-130	2.8	0-50		#1. lvr	

[%]RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated







QUALITY CONTROL REPORT SURROGATE REPORT

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

	The state of the s				
Lab No	Analyte	Result Qualifier	Units	Method	Limit
515_080602 15124	2,4 - DCAA (SURR)	108	%	5 1 5.1	Acceptance Range is 70 - 130%
508_080609 15124 525_080609	TETRACHLORO-M-XYLENE (SURR)	86	%	508.1	Acceptance Limits 70%-130%
15124	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	100 96 106 108	% % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% 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 525 080609	TETRACHLORO-M-XYLENE (SURR)	80	%	508.1	Acceptance Limits 70%-130%
15131	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	99 93 103 110	% % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130%
515_080602 15132	2,4 - DCAA (SURR)	107	%	515.1	Acceptance Range is 70 - 130%
508_080609 15132 525_080609	TETRACHLORO-M-XYLENE (SURR)	82	%	508.1	Acceptance Limits 70%-130%
15132	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	98 96 103 108	% % % %	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% Acceptance Range is 70% to 130% 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.



Page 2 of 2



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 08-07095

Lab No	Analyte	Result Qualifier	Units	Method	Limit
525_080609 15133	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96	%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr) PERYLENE-D12 (Surr)	95 102	%		Acceptance Range is 70% to 130% Acceptance Range is 70% to 130%
T.	TRIPHENYLPHOSPHATE (Suit)	108	% ,		Acceptance Range is 70% to 130%



Page 1 of 1

Qualifier Definitions

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

Qualifier	Definition								
АН	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. Indicates that an analyte has been detected in the laboratory method blank. This flag denotes possible contribution of laboratory background.								
BQ									
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.

FORM: QualifierDefs

CI	nain of Cus	tody / Analys	sis Re	ques	t (Pie	ase com	plete all	applical	ble sha	ided sect	ions)						5214			
Report to: Walla Walla Basin Watershed Cour Ship Address: 810 S Main Street City: Milton-Freewatst: OR Zip: 97862 Attn: Bob Bower				Bill to: Walla Walla Basin Watershed Counc Address: 810 S Main Street City: Millton-Freewatest: OR Zip: 97862 Phone: FAX:							For Lab Use Only Ref#					nc.		1 1		
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											Safe Drinking Water Act Clean Water Act					LABORATORIES 1620 S. Walnut St. Burlington, WA 98233				
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525's NOT presented with HCL - strong pur



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

Bellingham WA 805 Orchard Dr Suite 4 - 98225 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,

Lawrence J Henderson, PhD Director of Laboratories

Enclosures Data Report

QC Reports Chain of Custody