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



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

> By GSI Water Solutions, Inc.

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## **GSI Water Solutions, Inc.**

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

## November 2008

#### **Table of Contents**

1.0 - INTRODUCTION	1
2.0 - 2008 TIMELINE	2
3.0 - ON-SITE WORK	4
4.0 - WATER VOLUME USED IN 2008 TEST SEASON	4
5.0 - WATER LEVELS IN THE SUPRABASALT SEDIMENT AQUIFER	5
5.1 Transducer Data from On-Site Monitoring Wells	5
5.2 Manually Measured Water Supply Wells	7
6.0 - WATER QUALITY	8
6.1 Field and Basic Water Quality	8
6.2 SOC Water Quality	10
7.0 - COMPARISONS BETWEEN TEST SEASONS	11
8.0 - SUMMARY AND RECOMMENDATIONS	12
8.1 Summary	12
8.2 Recommendations	13
9.0 - REFERENCES CITED	14

#### List of Tables

Table 1 Field and basic water quality results for the 2008 recharge season.Table 2 SOC results for the 2008 recharge season.

#### **List of Figures**

Figure 1. Area and regional setting.

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

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

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

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

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

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

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

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

Figure 10. Nitrate-N concentrations in source water and groundwater during the 208 recharge season.

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

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

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

#### List of Appendices

Appendix A. Field Notes

Appendix B. Water Quality Data

## **1.0 – INTRODUCTION**

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

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

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

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

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

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

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

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

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

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

## 2.0 - 2008 TIMELINE

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

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

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

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

## 3.0 - ON-SITE WORK

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

## 4.0 - WATER VOLUME USED IN 2008 TEST SEASON

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

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

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

where,

Q = flow in cfs,

and

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

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

## 5.0 - WATER LEVELS IN THE SUPRABASALT SEDIMENT AQUIFER

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

## 5.1 Transducer Data from On-Site Monitoring Wells

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

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

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

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

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

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

6

### 5.2 Manually Measured Water Supply Wells

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

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

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

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

## 6.0 - WATER QUALITY

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

## 6.1 Field and Basic Water Quality

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

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

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

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

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

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

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

### 6.2 SOC Water Quality

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

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

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

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

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

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

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

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

## 8.0 - SUMMARY AND RECOMMENDATIONS

## 8.1 Summary

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

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

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

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

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

### 8.2 Recommendations

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

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

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

Longer term recommendations, all requiring additional funding, include:

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

## 9.0 - REFERENCES CITED

GSI, 2007, Project Completion Report for Shallow Aquifer Recharge Testing at the Hall-Wentland Site, Umatilla County, Oregon and Walla Walla County, Washington.
Consultants report prepared for Walla Walla County Watershed Planning Department, 14 Pages, 2 Tables, 14 Figures, 3 Appendices.

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

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

Tables

Sample ID	<b>Date</b> 2/13/2008	<b>Lab No.</b> 4105	<b>рН</b> 7.64	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO <sub>3</sub> -N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)		COD (mg/L)
Surface Surface	4/8/2008	10001	7.64	6.9 NR	1440 1150	5.89 9.90	0.780 0.380	58.80 39.30	115.0 85.0	2.000 1.500	0.310 0.180	<	17 8
Sample ID	Date	Lab No.	рН	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO₃-N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)		COD (mg/L)
HW-1	1/23/2008	2120	NR	11.1	1810	NR	2.000	67.20	126.0	3.200	NR	<	8
HW-1	2/13/2008	4102	6.67	12.7	1750	0.98	1.820	69.20	137.0	2.800	0.310	<	8
HW-1	4/8/2008	9998	6.51	12.9	1640	1.98	1.160	50.20	77.0	2.500	0.220	<	8
HW-1	5/27/2008	15131	6.75	14.3	1630	0.56	1.030	61.20	122.0	2.400	0.240	<	8
Sample ID	Date	Lab No.	pH	Temp. C	Electrical Conductivity (uS/cm)	Turbidity (NTU)	NO₃-N (mg/L)	Hardness (mg/L)	TDS (mg/L)	Cl (mg/L)	Soluble Reactive Phosphorous (mg/L)		COD (mg/L)
HW-2	1/23/2008	2121	6.51	8.0	1800	5.43	0.940	67.70	125.0	2.200	0.340	<	8
HW-2	2/13/2008	4103	6.59	12.5	1780	0.88	3.460	72.90	137.0	5.000	0.340	<	8
HW-2	4/8/2008	9999	6.44	13.1	1820	11.50	0.800	61.90	131.0	2.100	0.260	<	8
HW-2	5/27/2008	15132	6.61	13.0	1350	1.24	0.840	48.60	112.0	1.600	0.250	_	12
Sample					Electrical Conductivity	Turbidity	NO <sub>3</sub> -N	Hardness	TDS	CI	Soluble Reactive Phosphorous		COD
ID	Date	Lab No.	рН	Temp. C	(uS/cm)	(NTU)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)
HW-3	1/23/2008	2122	6.88	11.0	1580	29.00	1.210	64.20	113.0	2.600	0.290		11
					1010		0 0 1 0	00.00	400.0	F 400			8
HW-3	2/13/2008	4104	6.64	11.8	1610	6.94	3.610	63.20	130.0	5.100	0.290	<	
HW-3 HW-3 HW-3	2/13/2008 4/8/2008 5/27/2008	4104 10000 15133	6.64 6.50 6.74	<u>11.8</u> <u>13.0</u> 14.4	1610 1570 1520	6.94 0.43 8.45	3.610 1.120 1.110	63.20 64.40 61.80	130.0 112.0 120.0	5.100 1.500 2.300	0.290 0.210 0.230	< <	8

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

Date Well ID	2/13/2008 HW-1	2/13/2008 HW-2	2/13/2008 HW-3	2/13/2008 Surface
Chemical	1100 1	1111 2	1100 0	Gunade
Carban	nates in Drinl	king water		
Carbofuran	ND	ND	ND	ND
Oxymal 3-Hydroxycabofuran	ND ND	ND ND	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 Propoxur (Baygon)	ND ND	ND ND	ND ND	ND ND
Methiocarb	ND	ND	ND	ND
Synthet	tic Organic C	ompounds		
Endrin	ND	ND	ND	ND
Lindane (BHC-Gamma) Methoxychlor	ND ND	ND ND	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 Di(ethylhexyl)-phthalate	ND ND	ND ND	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 Aldrin	ND ND	ND ND	ND ND	ND ND
Butachlor	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND
Metolachlor	ND	ND	ND	ND
Metribuzin Propachlor	ND ND	ND ND	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 4.4-DDD	ND ND	ND ND	ND ND	ND ND
4,4-DDE	ND	ND	ND	ND
4,4-DDT	ND	ND	ND	ND
Cyanazine	ND	ND	ND	ND
Malathion Trifluralin	ND ND	ND ND	ND ND	ND ND
Napthalene	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
Anthracene Benz(A)anthracene	ND ND	ND ND	ND ND	ND ND
Benzo(B)fluoranthene	ND	ND	ND	ND
Benzo(G,H,I)peryene	ND	ND	ND	ND
Benzo(K)fluoranthene	ND	ND	ND	ND
Chrysene	ND ND	ND ND	ND ND	ND ND
Dibenzo(A,H)anthracene Fluoranthene	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Pyrene Bererul Buttul Bhthelete	ND	ND	ND	ND
Benzyl Butyl Phthalate Di-N-Butyl Phthalate	ND ND	ND ND	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 Aroclor 1242	ND ND	ND ND	ND ND	ND ND
Aroclor 1242 Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260				NID
	ND	ND	ND	ND
Aroclor 1016	ND	ND	ND ND	ND
Aroclor 1016 Herbic	ND ides in Drink	ND ing Water	ND	ND
Aroclor 1016 Herbic 2,4-D	ND ides in Drink ND	ND ing Water ND	ND ND	ND ND
Aroclor 1016 Herbic	ND ides in Drink	ND ing Water	ND	ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon	ND ides in Drink ND ND ND ND ND	ND ing Water ND ND ND ND	ND ND ND ND	ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dinoseb	ND ides in Drink ND ND ND ND ND	ND ing Water ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dinoseb Picloram	ND ides in Drink ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dinoseb Picloram Dicamba	ND ides in Drink ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dinoseb Picloram	ND ides in Drink ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dinoseb Picloram Dicamba 2,4 DB 2,4,5 T Bentazon	ND ides in Drink ND ND ND ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dinoseb Picloram Dicamba 2,4 DB 2,4,5 T Bentazon Dichlorprop	ND ides in Drink ND ND ND ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4.5-TP (Silvex) Pentachlorophenol Diapon Dioseb Picioram Dicamba 2,4 DB 2,4,5 T Bentazon Dichlorprop Actiflorfin	ND ides in Drink ND ND ND ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dicoseb Picloram Dicamba 2,4 DB 2,4,5 T Bentazon Dichlorprop Actillorfin Dacthal (DCPA)	ND ides in Drink ND ND ND ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dicoseb Picloram Dicamba 2,4 DB 2,4,5 T Bentazon Dichlorprop Actiflorfin Dacthal (DCPA) 3,5-Dichlorobenzoic Acid	ND ides in Drink ND ND ND ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND
Aroclor 1016 Herbic 2,4-D 2,4,5-TP (Silvex) Pentachlorophenol Dalapon Dicoseb Picloram Dicamba 2,4 DB 2,4,5 T Bentazon Dichlorprop Actillorfin Dacthal (DCPA)	ND ides in Drink ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ing Water ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N

Table 2. SOC results for the 2008 SAR season.

Date	4/8/2008	4/8/2008	4/8/2008	4/8/2008
Well ID	HW-1	HW-2	HW-3	Surface
Chemical	otoo in Drin	line meter		
Carbofuran	ates in Drin 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 Propoxur (Baygon)	ND ND	ND ND	ND ND	ND ND
Methiocarb	ND	ND	ND	ND
	c Organic C			
Endrin	ND	ND	ND	ND
Lindane (BHC-Gamma)	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND
Alachlor	ND	ND	ND	ND
Atrazine Benzo(a)pyrene	ND ND	ND ND	ND ND	ND ND
Chlordane Technical	ND	ND	ND	ND
Di(ethylhexyl)-Adipate	ND	ND	ND	ND
Di(ethylhexyl)-phthalate	1.8*	ND	ND	ND
Heptachlor	ND	ND	ND	ND
Heptachlor Epoxide A&B	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Hexachlorocyclo-Pentadiene	ND	ND	ND	ND
Simazine Aldrin	ND ND	ND ND	ND ND	ND ND
Butachlor	ND	ND ND	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 EPTC	ND ND	ND ND	ND ND	ND ND
4,4-DDD	ND	ND	ND	ND
4,4-DDE	ND	ND	ND	ND
4,4-DDT	ND	ND	ND	ND
Cyanazine	ND	ND	ND	ND
Malathion	ND	ND	ND	ND
Trifluralin	ND	ND	ND	ND
Napthalene	ND	ND ND	ND	ND ND
Fluorene Acenaphthylene	ND ND	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(G,H,I)peryene	ND	ND	ND	ND
Benzo(K)fluoranthene	ND	ND	ND	ND
Chrysene Dibanzo(A H)anthracana	ND ND	ND ND	ND ND	ND ND
Dibenzo(A,H)anthracene Fluoranthene	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Benzyl Butyl Phthalate	ND	ND	ND	ND
Di-N-Butyl Phthalate	ND	ND	ND	ND
Diethyl Phthalate	ND	ND	ND	ND
Dimethyl Phthalate	ND	ND	ND	ND ND
Toxaphene Aroclor 1221	ND ND	ND ND	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
2,4-D	des in Drink		ND	ND
2,4-D 2,4,5-TP (Silvex)	ND ND	ND 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 Dichlorprop	ND ND	ND ND	ND ND	ND ND
Actiflorfin	ND	ND	ND	ND
Dacthal (DCPA)	ND	ND	ND	ND
3,5-Dichlorobenzoic Acid	ND	ND	ND	ND
Velpar (hexazinone)	ND	ND	ND	ND
Velpar (hexazinone) Bronate (bromoxynil) Gramoxone (paraquat)	ND ND ND	ND ND ND	ND ND ND	ND ND ND

Table 2 (continued)

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

Table 2 (continued)

## Figures

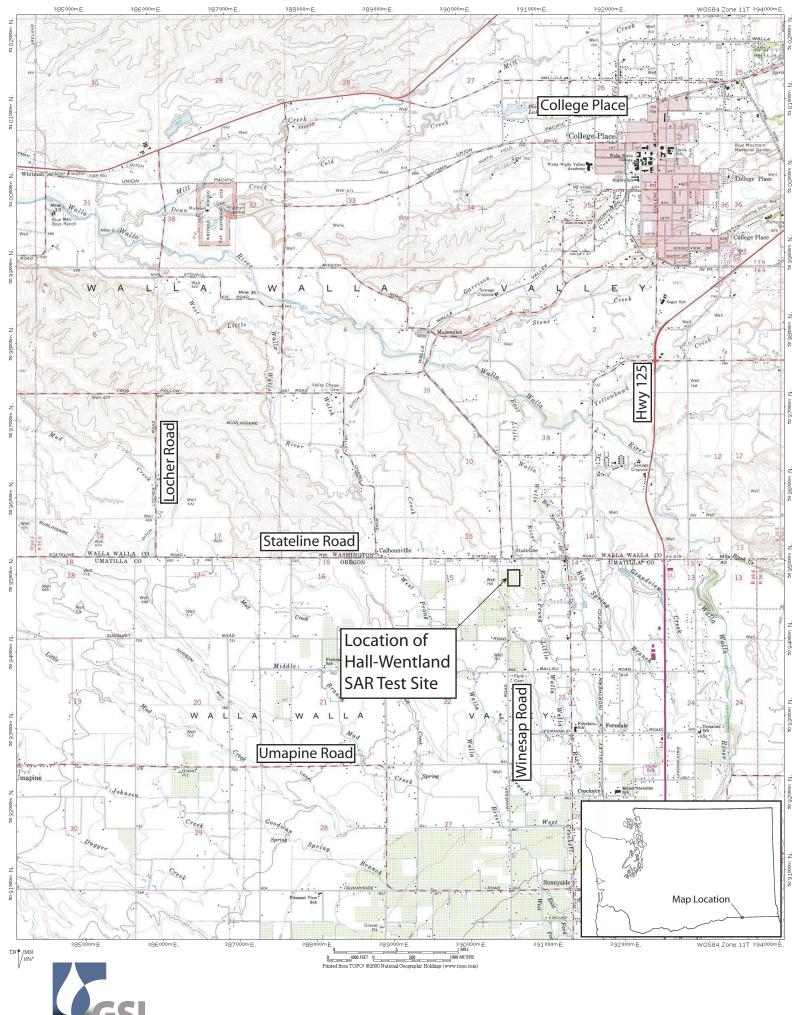
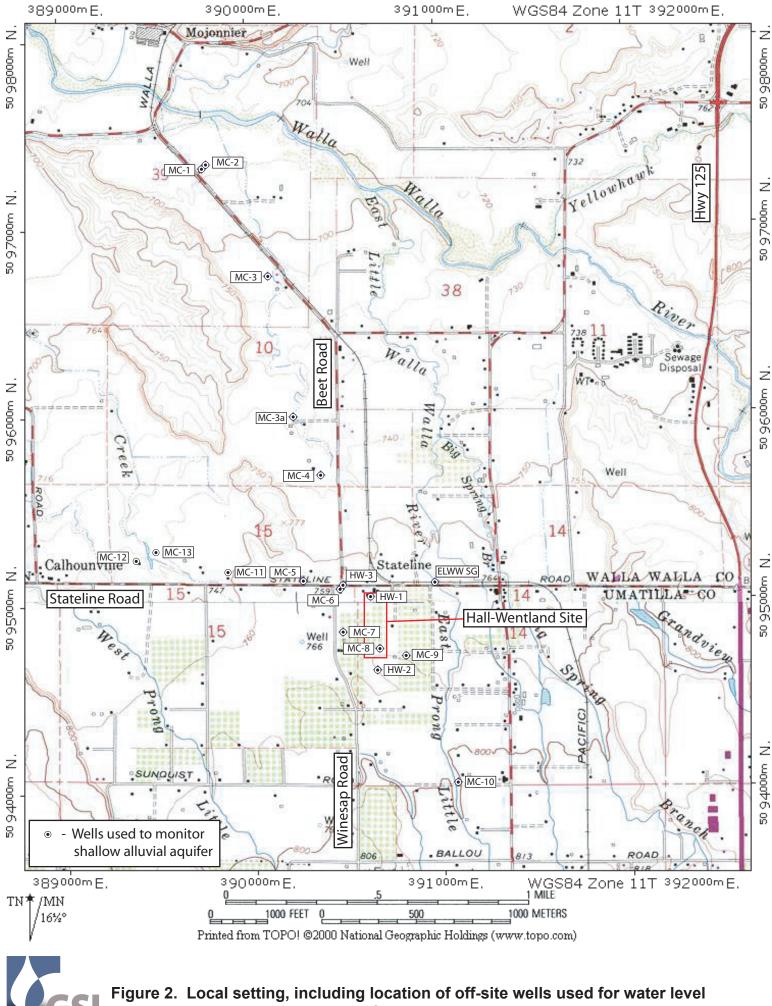


Figure 1. Area and regional setting.

Water Solutions, Inc.



monitoring and onsite wells used for water level and water quality monitoring.

Water Solutions, Inc.

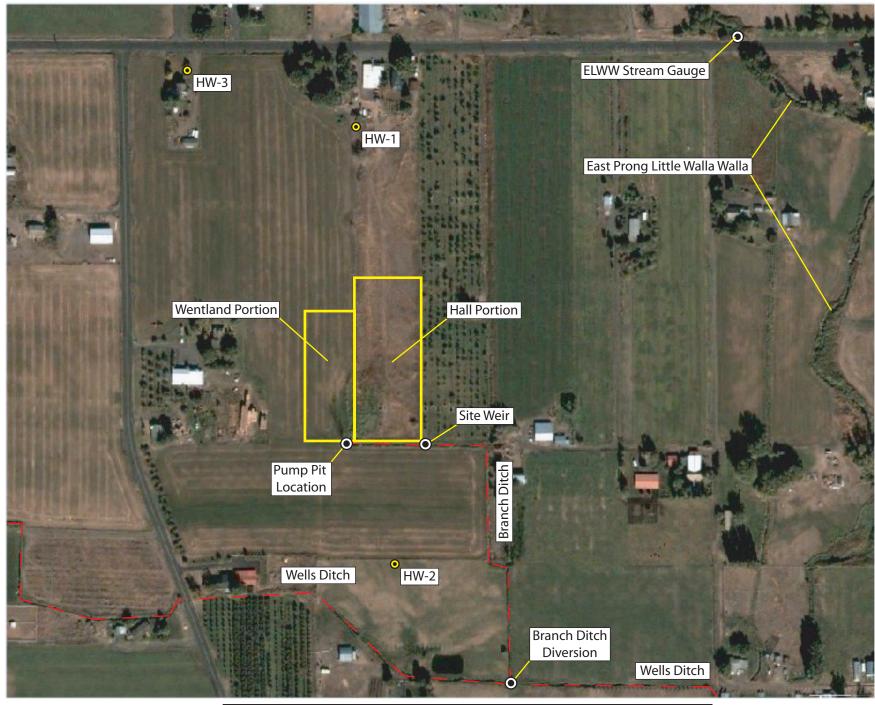
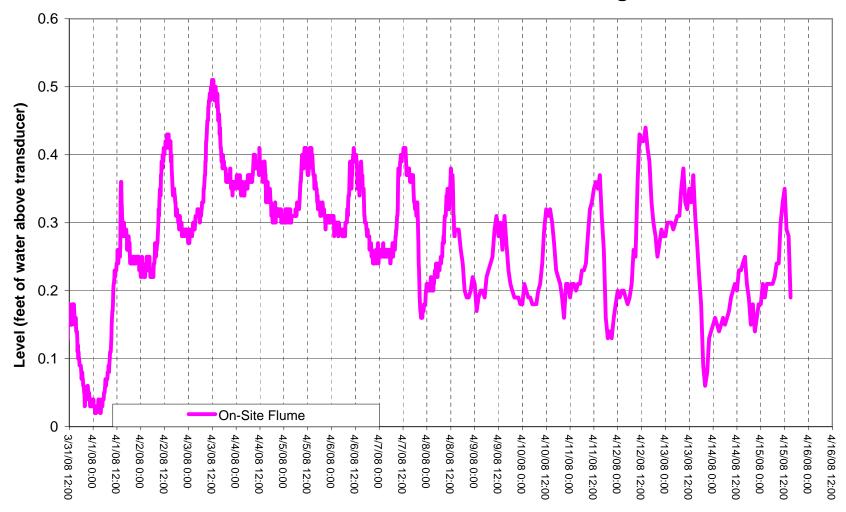




Figure 3. Local setting, showing ditches, site boundaries, and location of water quality monitoring wells.

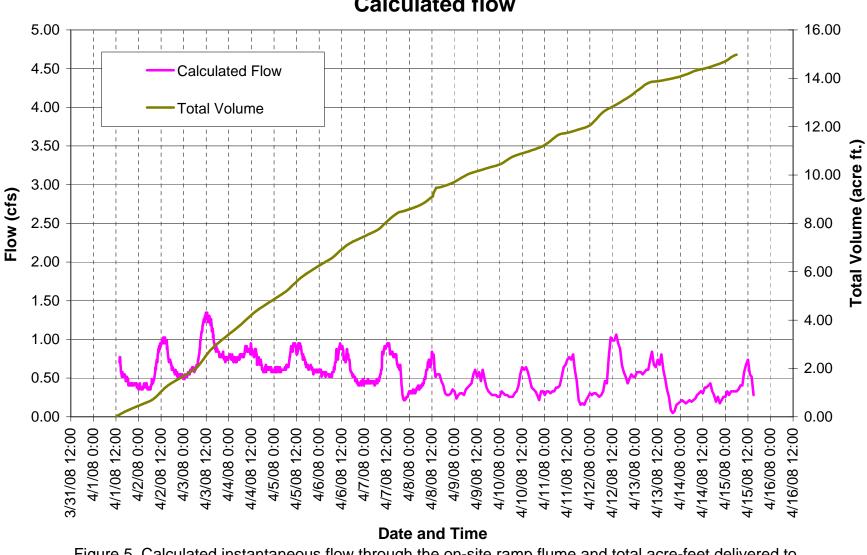
0.25 Miles



## Hall-Wentland Surface Water Monitoring

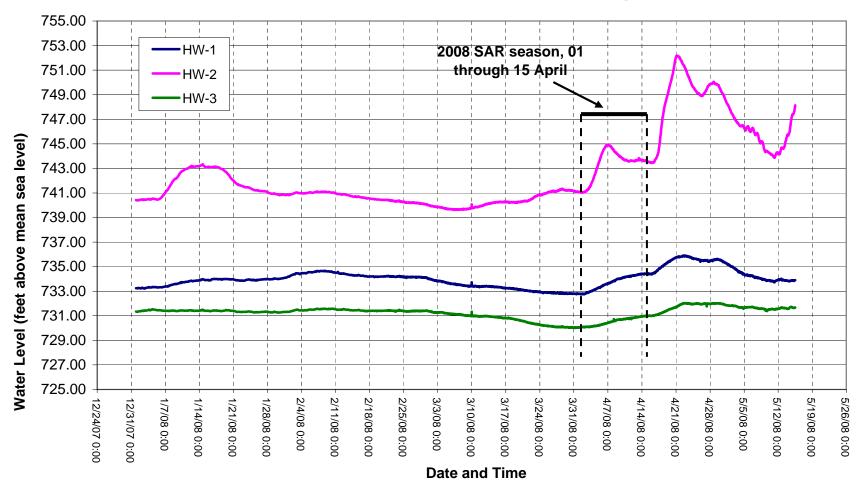
Date and Time

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



**Calculated flow** 

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



## Hall-Wentland Water Level Monitoring

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

#### 735.00 730.00 X 725.00 Т Т 720.00 Т Water Level (feet amsl) 715.00 2008 \$AR season, 01 L 1 through 15 April Т 710.00 -MC-6 MC-7 705.00 L -MC-12 -MC-11 1 700.00 Т 1 695.00 L Т 690.00 Т Т 685.00 Т 1 680.00 L I. 1 675.00 -2/2/2008 4/19/2008 2/9/2008 3/8/2008 4/5/2008 5/3/2008 1/12/2008 1/19/2008 1/26/2008 2/16/2008 2/23/2008 3/1/2008 3/15/2008 3/22/2008 3/29/2008 4/12/2008 4/26/2008 5/10/2008 5/17/2008 5/24/2008

#### Off-Site wells, 2008 Recharge Season

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

Date

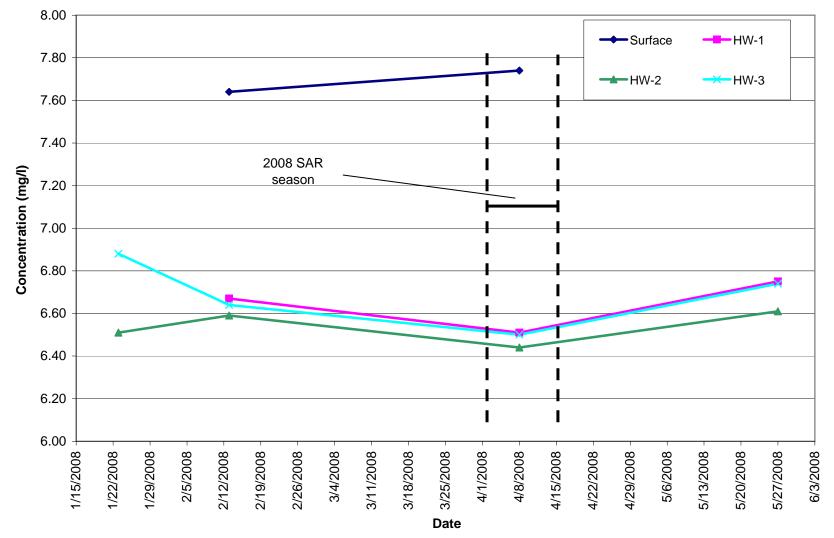
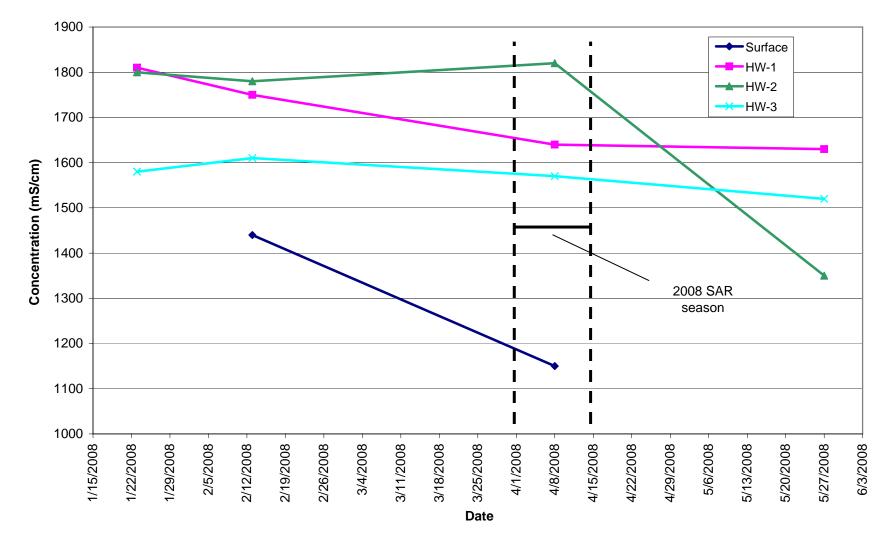


Figure 8. Source water and groundwater pH during the 2008 SAR season.

рΗ



#### **Electrical Conductivity**

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



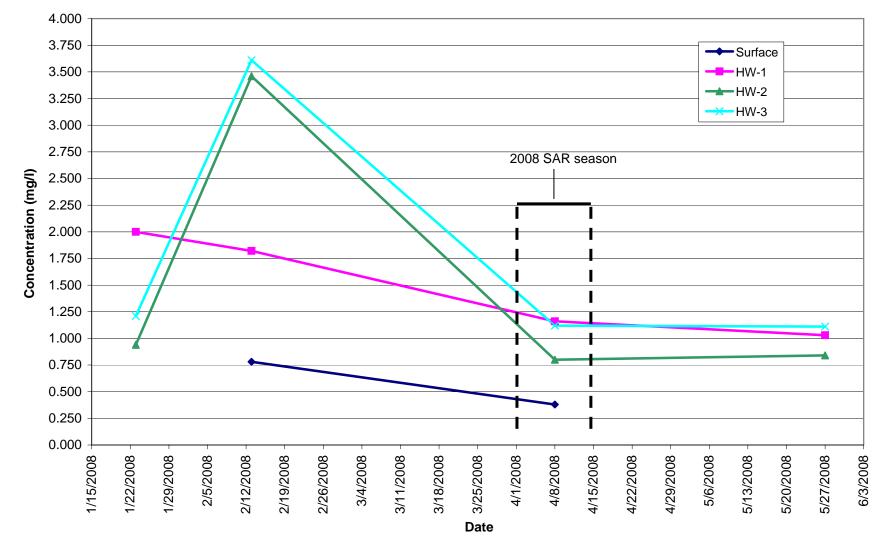
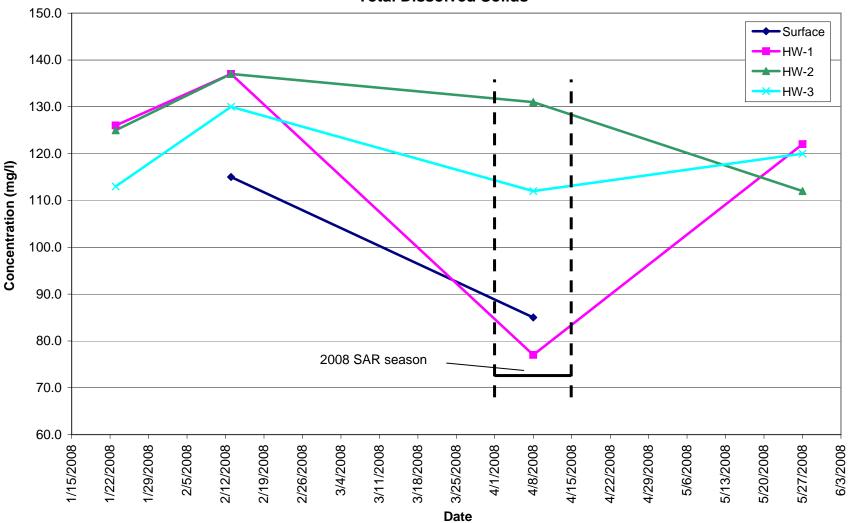
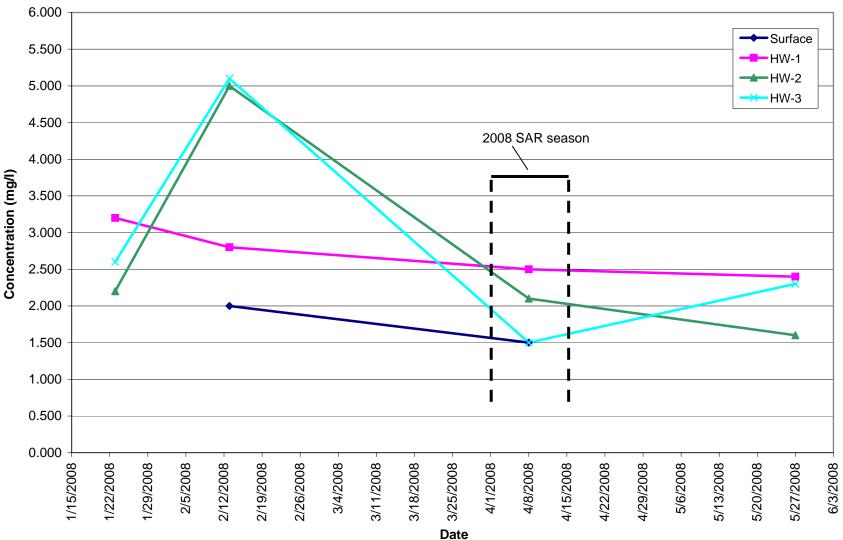


Figure 10. Nitrate-N concentrations in source water and groundwater during the 2008 SAR season.



**Total Dissolved Solids** 

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



Chloride

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

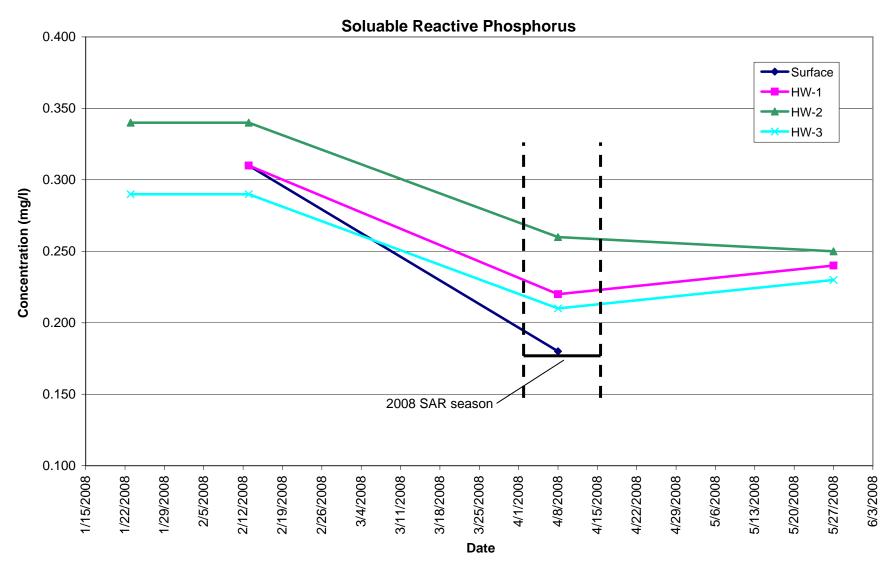
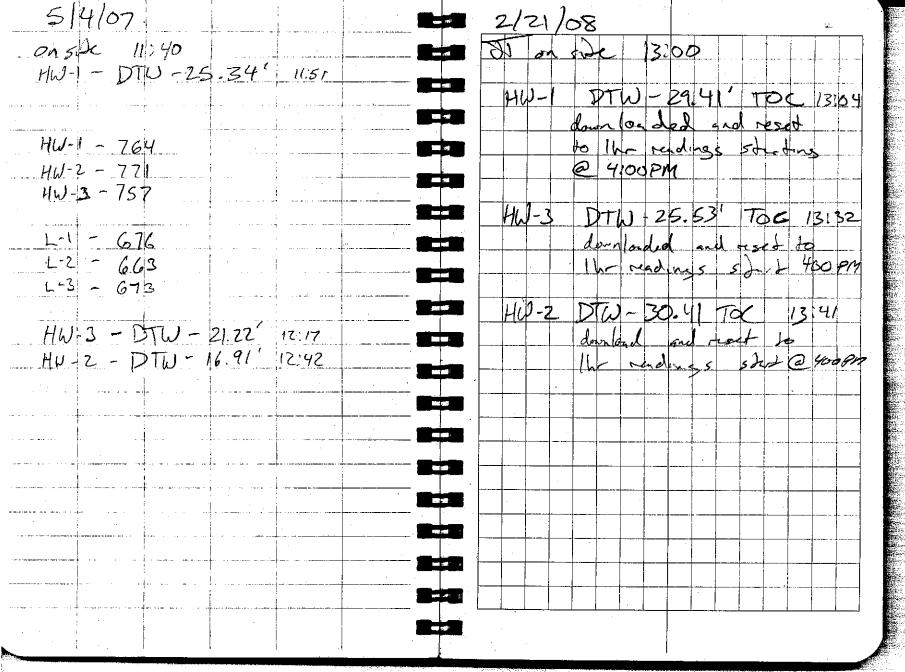
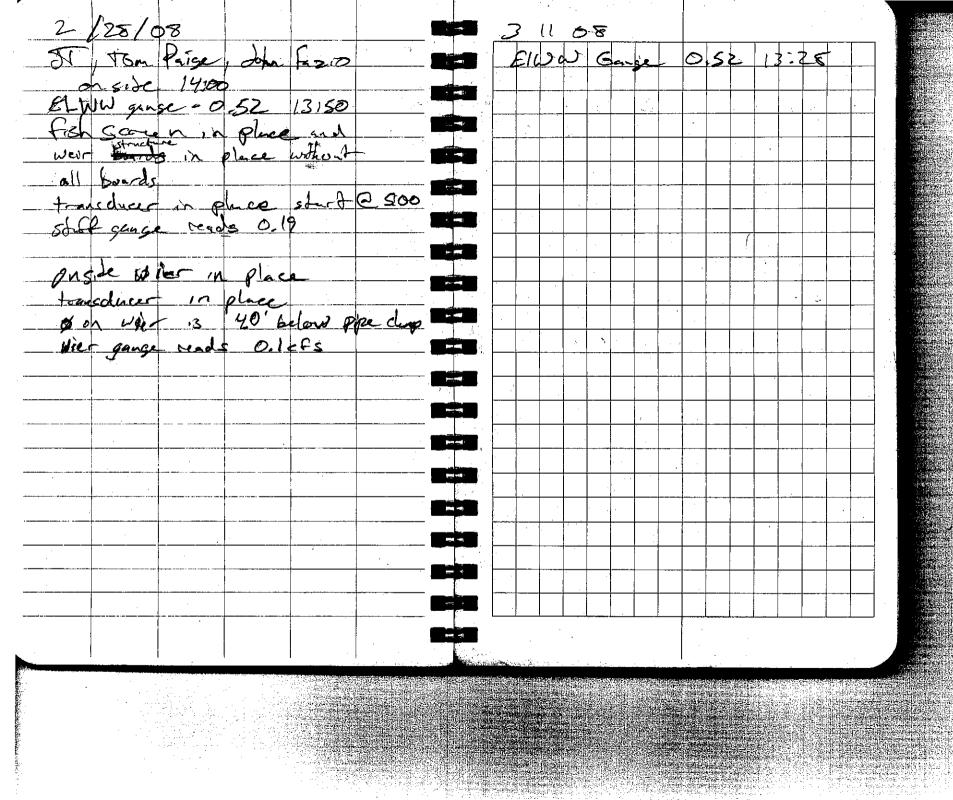


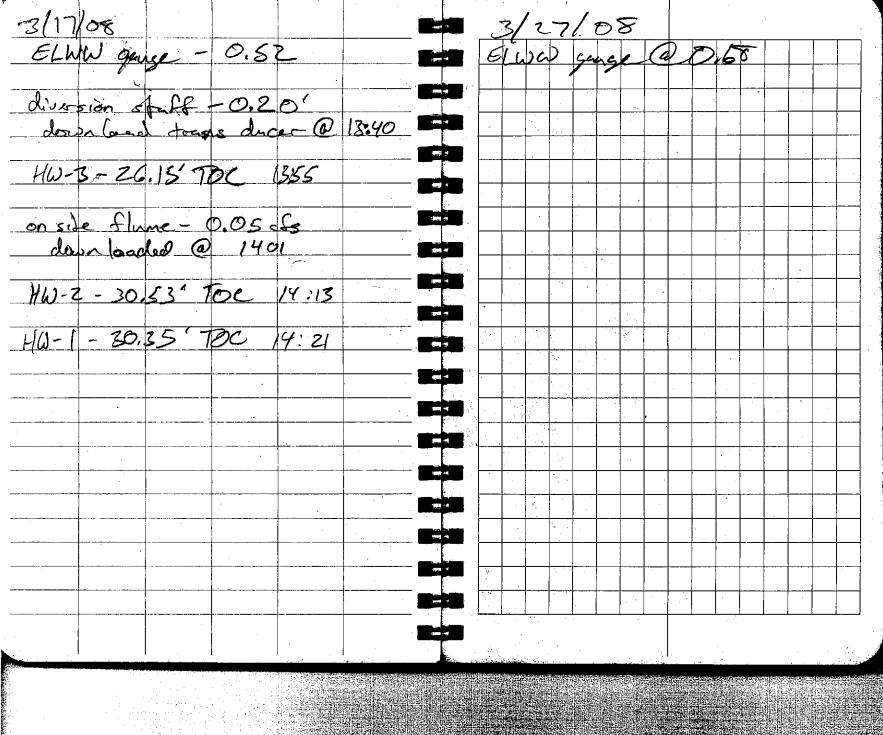
Figure 13. Soluable reactive phosphorus (srp) in source water and groundwater during the 2008 SAR season.

## Appendix A Field Notes



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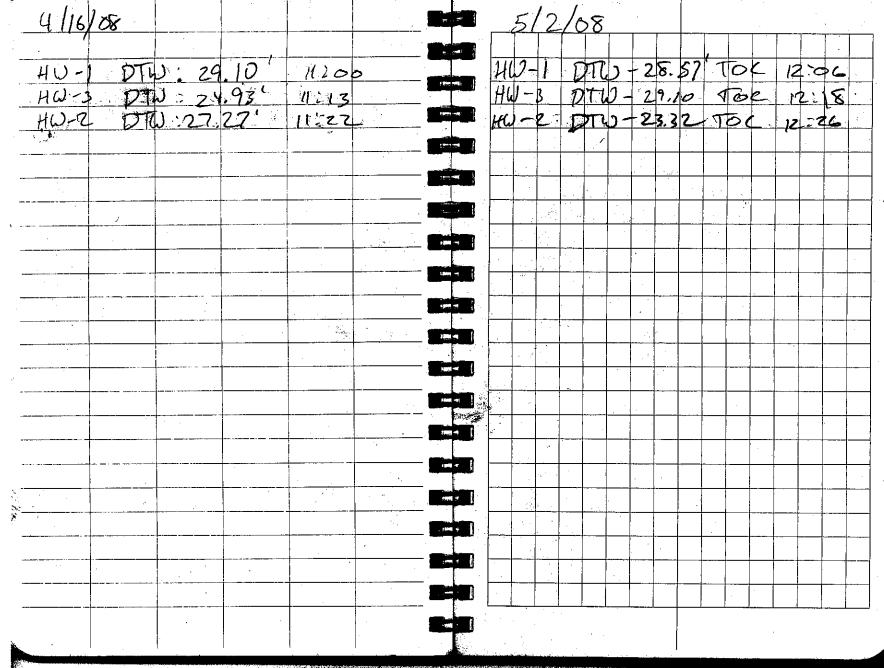




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5/15/05 5/27/08 110 DTW-291.65 13:14 KAL on site Ø hocher 1430 ø ----HW DTW-25.22 13:29 Staff in land barren 29 HU-2 DTW-22 54 13335 Upner basur, stall only bas 1 or so sticking above water downloaded all tons ducers e 1436 and н. м. set to record the informe 570/1 guar e diverson frome e 0.46/t e 1439 starting 5/15/08 15:00 -1 Instrater between 0. 48 + 0.48, Diversion Weir masare mater pick a 46 as good bosic #: ditch Branch ditch Lower Basen Staff e - 23 e 1445  $\mathbf{\Lambda}$ **1** 52 = 0.48 6.5 C M50 still about a fort or w 1 below old high water mark. Sports ples, lats of underettal chusks dus up. --Old tas at 10-12 14-0 with ŧ,

5/27/08 192,	5/27/08 Bg 3
Lowa Bayer Staff Guage. - 2. Y & e. 025 1454	Steart your to tom gato and to ~1.5c/s
come up a 0,1/t on 10 minutes	~3,2 @ 16477
Staff e 2.5/+ e 1503, Stuart turung gato dann to ~ 2 cfs e 1505	bate e 1.5 c/s e ~ 16505
Lower basin annently alors + 3X size a	Time reading AT Africke/ br
was in april 2007.	1445 2,3
~ -2,61+ e 1508	1454 2.4 9 0.1 0.6741/hr 1503 2.5 9 0.1 "
~ 2.7/+ ~ 15/8 ~ ~ ~ still coming.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	1618 3.0 60 0.3 8.34+16-
1525 KAL 11/ sto	1637 3.14 19 0,14 0,441/4/br 1818 3,25 41 0,11
1632 KAL back @1618 5.09	
œ 1637 striff e 3,14 1+	

Appendix B Water Quality Data FROM :WWBWC

· · · · · · · · · · · · · · · · · · ·			
			145
		Washington State IC	
Water Torstored 20			WA 01177 (509) 522-3775
			(509) 529-9681
Land and a		Dat	A THE AND A DESCRIPTION OF
581 Mill Creek Road Walla Walla, V	WA 99362	<u>.</u>	

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

#### Test Methods Are Selected From The

Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

	est Method \$223B						
Semple ID #1	Results	Units 7	Leb Number				
		Presence / Absence	143-05160				
Sample ID #2	Results	Units	Lab Number				
		Presence / Absence	143-05161				
	Total Coliform	Present / Fecal Coliform Absen	L_X_Present_				
Sample ID #3	Results	- Units 🔅	Lab Number				
	Tresence	Presence / Absence	143-05162				
	Total Coliform I	Present / Fecal Coliform Abean	LX_Present				
Sample ID #4	Results	Units	Leb Number				
HW-1	Presence	Presence / Absence	143-05163				
	Total Collians	Present / Fecel Coliforn Abean	t_X_Present				
Sample ID #5	Results	Units	Lab Number				
HW-2	Absence	Presence / Absence	143-05164				
Sampla D #6	Results	Units					
. HW-3	Presence	Presence / Absence	143-05165				
	Total Coliform Present / Fecal Coliform Absent_X_Present						

The City of Walls Walls'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 Kieles

1-25-08 (date)

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

an Cast	Lab ID # : 143
Weder Marshart Flores	Washington State ID : M1873 EPA ID # : WA 01177
	Telephone : (509) 522-3775 Fax : (509) 529-9681
	Date: 01/25/08
581 Mill Creek Road Walla Walla, WA 99362	

System ID / N	iene: Walia Walia 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:	Skifstad

Test Methods Are Selected From The

Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Results		
Press and a second s	<b>Units Fille</b>	Lab Number
	CFU's / 100 mL	143-05154
Results	Units	Lab Number
	CFU's / 100 mL	143-05155
		والمستعدية والمستوال المستوال
Results		Lab Number
	CFU's / 100 mL	143-05156
Results	Units and the	Lab Number
0.0	CFU's / 100 mL	143-05157
Results		Lab Number
0.0	CFUs/100 mL	143-05158
Results	Units	Lab Number
0.0	CFUs/100 mL	143-05159
	Results Results Results 0.0 Results 0.0 Results 0.0 Results 0.0	Results     Units       Results     CFU's / 100 mL       Results     Units       0.0     CFU's / 100 mL       Results     Units

The City of Wells Wells'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 desizoyed after that .

Signature Lab Director :

Tom Krebs

1-25-08 (date)

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



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

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

an a	Test Method \$223B	and the second	
Sample 20 #1	Results	Units	Lab Number
	PLDSBIR28	Presence / Absence	143-05160
	Results		Leb Number
Sample ID #2		Presence / Absence	143-05161
	Total Coliform	Present / Facel Californ Absent	_X_Present_
Sample ID #3	Results	Units we	Leb Number
	Presente	Presence / Absence	143-05162
	Total Coliform	Present / Fecal Collions Absort	
Sample ID #4	Results	Units	Lab Number
HW-1	Presence	Presence / Absence	143-05163
	Total Coliform	Present / Fecal Colline Absen	X_Present
Sample ID #5	Results	Units	Lab Number
HW-2	Absence	Presence / Absence	143-05164
Sample ID #6	·· Results :	Units	
HW-3	Presence	Presence / Absence	143-05165
	Total Coliform	Present / Fecal Collinia Absen	t_X_Present

The City of Walls Walls's Mill Creak Water Treatment Laboratory will meintain 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 :

Ton Kicken

1-25-08

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

	Lab ID # :	143
	Washington State ID :	
Wester Manager Plant		WA 01177 (509) 522-3775
	Fax:	(509) 529-9681
LISANA	Date:	01/25/08
581 Mill Creek Road Walla Walla, WA 99362	· · · · · · · · · · · · · · · · · · ·	

System ID / N	ama: Walla Walla Basin Watershed Council	Amount Due:	\$150.00
Sampler	Bob Bower	invoice Number:	8001
Addresa:	P.O. Box 68	Date Collected:	1/23/08
City:	Milton-Freewater	Date Analyzed:	1/23/08
State:	Oregon Zip Code: 97863	Lab Analysi:	Skifstad

#### Test Methods Are Selected From The

Standard Methods For Examination Of Water and Wastewater ~ 20th Edition-

Test	Method 9222D		w we
Sample ID #1	Results	Units	Lab Number
		CFU's / 100 mL	143-05154
Sample 10 #2	Results		Lab Number
	-0.0	CFU's / 100 mL	143-05155
Sample ID #3	Results	Units	Lab Number
	0.0	CFU's / 100 mL	143-05156
Sample ID #4	Results	Units	Lab Number
HW-1	0.0	CFU's / 100 mL	143-05157
Sample ID #5	Results	Units	Lab Number
HW-2	0_0	CFU's / 100 mL	143-05158
Sample ID #6	Results	Units	Lab Number
HW-3	0.0	CFU's / 100 mL	143-05159
. HW-3	0.0	CFU's / 100 mL	143-051

The City of Walls Walls's Mill Creek Water Treatment Laboratory will maintain records

pertaining to reconstructing client's data for a minimum of two years from the data

of issuance of the final report. Records may be destroyed after that .

Signature Lab Director :

Tom Krebs

1-25-08 (date)

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

CITY OF WALLA WALLA MILL CREEK WATER TREATMENT PLANT S&T MILL CREEK WATER TREATMENT PLANT	CITY OF WALLA WALLA MILL CREEK WATER TREATMENT PLANT SBI MIII CREEK WATER TREATMENT PLANT SBI MIII CREEK Road - Walla Walla, WA 99362 Phone 509/522-3775 - Fax 509/529-9661
COLIFORM BACTERIA ANALYSIS	COLIFORM BACTERIA ANALYSIS SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY It imprutions are not followed, sample will be rejected.
If instructions are not followed, sample with be rejected.       Date Sample Collected     Time Sampla     County       / J J / O     Collected     Collected       Month     Day     Year     Year	Date Sample Collected Time Sample County 1 123 108 Collected Stand Month Day Year 11 10 Pre-
Month     Day     Year        Type of Water System (check only one box)       Group A Public       Group B Public       Structure	Type of Water System (check only one box)       Group A Public       Group B Public       Group B Public
Group A and Group B Systems – Provide from Water Facilities Inventory (WFI): ID# System Name:	Group A and Group B Systems – Provide from Water Facilities Inventory (WIFI): ID# System Name:
Contact Person:         BOB         BOWER           Day Phone:         (541) 938-2170         Cell Phone:         (509) 530-3534           Eve. Phone:         FAX:         ()	Contact Person:         QCB         BOWCE           Day Phone:         (CA)         Q38-2170         Cell Phone:         (SOA)         530-3534           Eve. Phone:         (         )         FAX:         (         )
Send results to: (Print full name, address and zip code) WAUL WAUL BASIN WASKSHED (DUNUL 810 S. WAIN P.O. BOX 68	Send results to: (Print full name, address and zip code) WAULA WAUL BASIN WATERSHED (DUINCIL SID S. MAILL P.O. BOX 68
MILTON - FREEWATER, OR 97862- SAMPLE INFORMATION	MILITAL FREENIATER DR. 97862
Sample collected by (name): BOB BDW GR_ Specific location where sample collected (address or sample site, and type of faucet):	Sample collected by (name): <u>BDC</u> <u>BOLLER</u> Specific location where sample collected (address or sample site, and type of faucel):
Special instructions or comments:	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. C:     Routine Distribution Sample     2. C:     Repeat Sample (follow-up to an unsatisfactory sample)       Provide information below.     to an unsatisfactory sample)       Chiorinated: Yes     No     Provide information below.       Chiorine Residuel: Total     Free     Unsatisfactory routine lab number:	1.□ Routine Distribution Sample       2. □ Repet Sample (follow-up to an unsatisfactory sample)         Provide information below.       to an unsatisfactory sample)         Chtorinated: YesNo       Provide information below.         Chtorinated: YesNo       Provide information below.         Chtorinated: YesNo       Unsatisfactory routine lab number;
3. C Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources)  Total Collorm	3. D Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources)
S         Image: Systems must provide Source Number from (VFF)         Chiorinated: Yes No           Public Systems must provide Source Number from (VFF)         Chiorine Residual: Total Free	S Chlorinated: Yes No Public Systems mest provide Source Number from (WFI) Chlorine Residual: Total Free
4.55-Sample Collected for Information Only ConstructionRepairsPrivate ResidenceOther_P/A	4.2 Sample Collected for Information Only ConstructionRepairsPrivate ResidenceOtherPA
Satisfactory       XUnsatisfactory         Total Coliform Absent       Total Coliform Present and         E.coli present       E.coli absent         Fecal coliform present       Fecal coliform absent	□ Satisfactory       Total Coliform Absent       ▼Unsatisfactory         Total Coliform Absent       □ E.coll present       □ E.coll absent         □ Facal coliform present       ▼Fecal coliform absent
Replacement Sample Required	Replacement Sample Required
Sample not tested because: Test unsuitable because:  Sample too old (>30 hours)  Improper container  Turbid culture	Sample not tested because: Test unsuitable because: Sample not dested because: Sample not dested because: Test unsuitable
Bacterial Density Results: Plate Count/ml. E.coli/100ml. Total Coliform/100ml. Fecal Coliform/100ml.	Bacterial Density Results: Plate Count/ml. E.coli/100ml. Total Coliform/100ml. Fecal Coliform/100ml.
R Method Code: □ 1140 □ 1340 Ø 2720 1/33/08 @ PAN	MICR Method Code: Date and Time Received: 35 □ 1140 □ 1340 □ 2720 1/3 08 0 2000
Date Analyzed: 1/33/08 (B) Date Reported: 1/744/08 Lab/Semple Number Lab Use:	Date Analyzed; 12/08 CS Oáte Reported: 1724/08 Lab/Sample Number Lab Use:
143- 05157	143-05156
DON Form #3313/19 (Invited SDB SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS	DOH FOR KITT-32 (MANA VIII) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESUL

FROM :WWBWC

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FAX NO. :15419382170

Matter collected to rejected.         Matter collected collected to rejected.         Date Sample Collected Collected Time Sample         Collected Col	old
Month       Day       Year       2:55       Au         Type of Water System (check only one box)       Private Household       Type of Water System (check only one box)       Private Household         Group A Public       Private Household       Group A Public       Private Household         Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):       Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):         ID#	ventory (WFI):
Type of Water System (check only one box)         Group A Public         Group A Public         Group B Public         Group B Systems - Provide from Water Facilities Inventory (WFI):         ID#	ventory (WFI):
Group A Public     Group B Public     Group B Public     Group B Systems - Provide from Water Facilities Inventory (WFI):     Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):     Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):     Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):     Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):     Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):     Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):     Other      System Name:     Contact Person: BOB BOUCER     Day Phone: (SAI) 938 - 3170 Cell Phone: (SOB     Eve. Phone: () FAX: ()     Send results to: (Print full name, address and zip code)     WOLL WALLA BASIN WATTRESCHED COUNCIL     SIO S. MAIN P.O. BOX 68     MULTON - FREE-WATER, CR. 97862	ventory (WFI):
ID#	
System Name: Contact Person: BDB BDWER Day Phone: (541) 938-2170 Cell Phone: (509) 520-3534 Eve. Phone: () FAX: () Send results to: (Print full name, address and zip code) WDUA WALLA BASIN WATTERSHED COLLINCIL 810 S. MAIN P.O. BOX 68 MILLON - FREEWATER, CR. 97862 MILLON - FREEWATER, CR.	\$50-3534
Contact Person: BOB BOWER Day Phone: (541)938-2170 Cell Phone: (509)520-3534 Eve. Phone: () FAX: () Send results to: (Print full name, address and zip code) WOUL WALLA BASIN WATTERSHED (SULACIL 810 S. MANN P.O. BOX 68 MULTON - FREEWATER, OR. 97863 MULTON - FREEWATER, OR. 97863	1590-3534
Day Phone: (541) 938 - 2170       Cell Phone: (509) 520 - 3534         Eve. Phone: ()       FAX: ()         Send results to: (Print full name, address and zip code)         WDULL WALLA BASIN WATERSHED (DUINCIL         810 S. MANN P.O. BOX 68         MULDON - FREEWATER, DR. 97862	1530-3534
Eve. Phone: () FAX: () Send results to: (Print full name, address and zip code) WOWA WALLA BASIN WATTERSHED (DILENCIL 810 S. MAIN P.O. BOX 68 MILTON - FREEWATER, DR. 97862 MILTON - FREEWATER, DR. 97862	
Send results to: (Print full name, address and zip code) WOLLA WALLA BASIN WATTERSHED CONNOIL 810 S. MAIN P.O. BOX 68 MILTON - FREEWATER, OR. 97862 MILTON - FREEWATER, OR. 97862	
WOULD WALLA BASIN WATERSHED COUNCIL 810 S. MANN P.O. BOX 68 MULTON - FREEWATER, DR. 97862 MULTON - FREEWATER, DR. 97862	∧ <u>-</u> 1
810 S. MAIN P.O. BOX 68 MILTON - FREEWATER, DR. 97862 MILTON - FREEWATER, DR.	, buncil
MILTON - FREEWATER, DR. 97862 MILTON-FREEWATER, DR.	
	7+862
SAMPLE INFORMATION SAMPLE INFORMATION	
Sample collected by (name):	
BOR BOUKER, USA BOUKER	
Specific location where sample collected (address or sample site, and type of faucet): Specific location where sample collected (address or sample site	a, and type of faucet):
HW-3 HW-2	
Special instructions or comments: 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	ple (follow-up
Provide information below. to an unsatisfactory sample) Provide information below. to an unsatisfactory sample) Chlorinated: YesNo Provide information below. Chlorinated: YesNo Provide information	factory sample)
Chlorine Residual: Total Free Unsatisfactory routine lab number: Chlorine Residual: Total Free Unsatisfactory routine lab number:	
3.  Raw Water Source Sample Required for Surface Water, GWI, and Unsatisfactory routine collect date:	
	<u></u> '
Chlorinated: Yes  Public Systems must provide Source Number from (WFI) Chlorinated: Total Free Public Systems must provide Source Number from (WFI) Chlorine Residual: Total Free Chlorine Residual: Total Free	No TotalFree
4. Sample Collected for Information Only	
Construction Repairs Private Residence Other Private Residence Construction Repairs Private Residence	Other <u>PA</u>
□ Satisfactory	· · · ·
Satisfactory       Unsatisfactory       Unsatisfactory         Total Coliform Absent       Total Coliform Present and       Total Coliform Absent       Total Coliform Present	and
	3 E.coll absent
Fecal coliform present     Fecal coliform absent     Fecal coliform absent     Fecal coliform present     Fecal coliform present     Fecal coliform present     Fecal coliform absent     Fecal coliform present     Fecal coliform absent     Fecal coliform present     Fecal coliform absent	I Fecal coliform absent
Sample not tested because: Test unsuitable because: Test unsuitable because: Test unsuitable because:	:ause:
Sample too old (>30 hours)     TNTC     Sample too old (>30 hours)     TNTC       Improper container     Turbid culture     Improper container     Improper container	
	·······
Bacterial Density Results: Plate Count /mi. E.coli /100ml, Bacterial Density Results: Plate Count /mi. E.coli	i/100ml.
	i/100ml.
Total Coliform/100ml. Fecal Coliform/100ml. Total Coliform/100ml.	/100ml.
Total Coliform/100ml.         Fecal Coliform/100ml.         Total Coliform/100ml.         Total Coliform/100ml.         Fecal Coliform/100ml.           M*         *ethod Code:         Date and Time Received:         Micr. Mathod Code:         Date and Time R           140         1340         ¥2 2720         1/32/08         A         A	/100ml.
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Total Coliform/100ml.         Fecal Coliform/100ml.         Total Coliform/100ml.         Total Coliform/100ml.         Total Coliform/100ml.         Fecal Coliform/100ml.           M'         140         1340         \$2,2720         1/	/100ml.
Total Coliform	/100ml.

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Phone 508/522-377	LA WALLA R TREATMENT PLANT WARA WARA, WA 09362 5 - Fax 509/529-9681 TERIA ANALYSIS	
SAMPLE COLLECTION: READ INSTRUC	TTIONS ON BACK OF GOLDEN ROD COPY weed, sample will be rejected.	SA
Date Sample Collected Time Sa		Date
1 123/08 Colle	ted	
Month Day Year 9		Mon
Type of Water System (check only one be		Туре
Group A Public     Group B Public	Private Household     R. Other ASR	
Group A and Group B Systems - Provide		Group
System Name:		Syste
Contact Person: Por Por	NGR.	Conta
Day Phone: (541) 938-117	Cell Phone: (5)9) 520-3534	Day P
Eve. Phone: ( )	FAX: ( )	Eve. 8
Send results to: (Print full name, address		Send
WALLA WALL BASIN		
	bx 65	) Sit
MILTON-FREEWATE	<u> OR 97367</u>	<u>  Mi</u>
	NFORMATION	
Sample collected by (name):		Samp
POB BOWER		
	(address or sample site, and type of faucet):	Speci
HW-1	· · · · · · · · · · · · · · · · · · ·	Spec
Special instructions or comments:		
Type of Sample (must check only one b	ox of #1 through #4 listed below)	: _
1. <sup>III</sup> Routine Distribution Sample	2. 🗆 Repeat Sample (follow-up	1.0
	2. Repeat Sample (follow-up to an unsatisfactory sample)	1. 🗆 Provi
1. C Routine Distribution Sample Provide information below.	2. 🗆 Repeat Sample (follow-up	1. 🗆 Provi Chla
1. C Routine Distribution Sample Provide information below. Chiorinated: YesNo Chiorine Residual: Total Free 3. C Raw Water Source Sample	<ol> <li>Repeat Sample (follow-up to an unsatisfactory sample) Provide information below.</li> </ol>	1. Provi Chila Chiar 3. 0
1. C Routine Distribution Sample Provide information below. Chiorinated: Yes No Chiorine Residual: Total Free 3. Raw Water Source Sample Required for Surface Water, GWI, and	<ol> <li>Repeat Sample (follow-up to an unsatisfactory sample) Provide information below.</li> </ol>	1. Provi Chila Chilor 3. Requ
1.□ Routine Distribution Sample Provide information below. Chlorina Residuat: Total     Chlorine     Chlorine Residuat: Total     Chlorine     Chlorine Residuat: Total     Chlorine     Chlorine Residuat: Total     Chlorine     Chlorine     Chlorine Residuat: Total     Chlorine     Ch	2. CRepeat Sample (follow-up to an unsatisfactory sample) Provide information below.    Unsatisfactory routine lab number:	1. Provi Chila Chiar 3. Requ some
1.      Chlorinated: Yes No Chlorina Residuat: Total Free Chlorine Residuat: Total Free      Chlorine Residuat: Total Free      Chlorine Residuat: Total Colliss     Required for Surface Water, GWI, and some Spring Sources) Total Colliss     [] Feee Colliss	2. CRepeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: Unsatisfactory routine collect date: Chlorinated: YesNo	1. Provi Chiar 3. Requ some
1.      Chlorine Residual: Total     Chlorine Collaboration     Total Collaboration     S     S     Fees Collaboration	2. CRepeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine tab number: Unsatisfactory routine collect date: Unsatisfactory routine collect date: Chlorinated: Yes No Chlorine Residual: Total Free	1 Provi Chiar Chiar 3 Requ some S Public
1.      Routine Distribution Sample Provide information below.     Chlorinated: YesNo Chlorine Residuat: TotalFree      Chlorine Residuat: TotalFree      G. Raw Water Source Sample     Required for Surface Water, GWI, and     some Spring Sources) Total Caliform     1 Feosi Collocation     Public Systems must provide Source Number from (WF     4.      Sample Collected for Information	2. Chlorina Residual: Total Free	1. Provi Chiar Chiar 3. Requision Some L_S Public
1.      Chlorine Residual: Total     Collected for Information     Chlorine Residual: Total     Collected for Information	2. CRepeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine tab number: Unsatisfactory routine collect date: Unsatisfactory routine collect date: Chlorinated: Yes No Chlorine Residual: Total Free	1. Provi Chiar Chiar 3. Requision Some L_S Public
1.      Routine Distribution Sample Provide information below.     Chlorinated: YesNo Chlorine Residuat: TotalFree      Chlorine Residuat: TotalFree      G. Raw Water Source Sample     Required for Surface Water, GWI, and     some Spring Sources) Total Caliform     1 Feosi Collocation     Public Systems must provide Source Number from (WF     4.      Sample Collected for Information	2. Chlorina Residual: Total Free	1. Provi Chiar Chiar 3. Requision Some L_S Public
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1. Boutine 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 Colliform     1 Free Collected for Information Construction RepairsP      Satisfactory Un	2. □ Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: Unsatisfactory routine collect date: 	1. Provi Chior S. Requ some L_S Puble 4.52 Cons
	2. □ Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine tab number: Unsatisfactory routine collect date: 	1. Provi Chior S. Requ some L_S Puble 4.52 Cons
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MARINE AT 1-313 (resume most	

CITY OF MILL CREEK WATER T 561 Mill Creek WATER T 561 Mill Creek Rhad - W Phone 509/522-3775 -	
COLIFORM BACT SAMPLE COLLECTION: READ INSTRUCTION IN INSTRUCTION: ANY DOT TO/OWNER	ERIA ANALYSIS DNS ON BACK OF GOLDEN HOD COPY
Date Sample Collected Time Sam 1,33,708 Collected Month Day Year	
Type of Water System (check only one box) Group A Public Group B Public	Private Household
Group A and Group B Systems - Provide In ID#	nn Water Facilities Inventory (WFI):
System Name: Contact Person: Core Core	
Day Phone: () 0 - 2170 Eve. Phone: ( ) Send results to: (Print full name, address ar	FAX: ( ) Id zip code)
WHILL WALLA BASIN U SID S MAIN P.Q. BO	HATTERSHED COUNCIL
MILTON FRESHATER	
SAMPLE IN	FORMATION
Sample collected by (name): <u> COB</u> Specific location where sample collected (a	ddress or sample site, and type of faucet):
Special instructions or comments:	
Type of Sampla (must check only one box	of #1 through #A listori halows
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DON FOR ADIANS AND SHE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

FROM :WWBWC

FAX NO. :15419382170

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581 Mill Creek Road - Phone 509/522-3775 COLIFORM BAC MPLE COLLECTION: READ INSTRUC	A WALLA TREATMENT PLANT Wella Walla, WA 98362 I - Fax 509/529-9601 TERIA ANALYSIS TIONS ON BACK OF GOLDEN ROD COPY wild, semple will be rejected.	COLI	CITY OF WALLA WALLA MIL CREEK WATER TREATMENT PLANT MIL Creek WATER TREATMENT PLANT MIL Creek Road • Walks Walls, WA 99382 "hone 509/522-3775 • Fox 509/529-9681 FORM BACTERIA ANALYSIS TOM: READ INSTRUCTIONS ON BACK OF GOLDEN ROO COPY structions are not followed, sample will be rejected.
Date Sample Collected Time Sa 1, 2,3, 108 Month Day Year 9,30	imple County	Date Sample Collect	ted Time Sample County Collected All ear <u>9:55</u> PM
Type of Water System (check only one bo Group A Public Group B Public	x) Private Household TOther	I group A P	
Group A and Group B Systems - Provide III - Provide System Name:		ID#	3 Systems – Provide from Water Facilities Inventory (WFI):
Contact Person: BOB BOW	<del>C</del> B	Contact Person:	DB BOWER
Day Phone: ( 54.1) 938-21 TO Eve. Phone: ( )	FAX: ( )	Eve. Finite. (	938-3170 Cell Phone: (509) 530-3534
Send results to: (Print full name, address a	and zip code)		It full name, address and zip code)
	60x 68	SIDS MA	
MILON-FREEMARCER			LEEULATER, DR. 97867-
· · · · · · · · · · · · · · · · · · ·	NFORMATION		SAMPLE INFORMATION
Sample collected by (name):		Sample collected by	
POB BOWER			The sample collected (address or sample site, and type of fauce):
	address or sample site, and type of faucet):	HIN -	re sample concore (address or sample site, and type of hubbly): h
HW-3 Special instructions or comments:		Special instructions of	x commerils:
The of Sample (must check only one he	w of #1 through #4 lietod holow)	Type of Sample (mu	st check only one box of #1 through #4 listed below}
Type of Sample (must check only one box		1, 🗅 Routine Distri	bution Sample 2. CRepeat Sample (follow-up
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	2. □Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: Unsatisfactory routine collect date: ////////////////////////////////////	1. □       Routine Distril         Provide information to       Chlorinated: Yes         Chlorine Residuat. Tol.       3. □         3. □       Raw Water So.         Required for Surface       some Spring Sources             Public Systems must provide         4. □       Sample Collact         Construction	builton Sample       2. □ Repeat Sample (follow-up to an unsatisfactory sample)         No
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1. Improved to the information below.         Chlorinated; Yes       No	2. []Repeat Sample (follow-up to an unsatisfactory sample) Provide information below. Unsatisfactory routine lab number: Unsatisfactory routine collect date: ////////////////////////////////////		builton Sample       2. □ Repeat Sample (follow-up to an unsatisfactory sample)         No

FAX ND. :15419382170



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Page 1 of 1

#### **Data Report**

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

Raterence Number: 08-00977 Project: Hall-Wentland

Collected By: Bob Bower

Frojeci.	LISTII-AA SUI

Report Date: 2/4/2008

Date Received: 1/24/2008 Peer Review:

CAS ID#         Analyte         Result         PQL         MDL         Units         DF         Method         Analyze         Analyze         Analyze         Analyze           E-10173         TOTAL DISSOLVED SOLIDS         126         10         10         mg/L         10         SM2540 C         trazzone         ccit         Tog.00128           16887-00-6         CHLORIDE         3.2         1.0         0.143         mg/L         to         SM2510 E         trazzone         su         montaxia           E-10184         ELECTRICAL CONDUCTIVITY         181         10         10         uS/cm         to         SM2510 B         trazzone         su         200.7         trazzone         su         200.746412A           E-10117         CHEMICAL CXYGEN DEMAND         ND         8.0         mg/L         to         SM4520 D         arrazze         so         xo0x/d-46412A           14797-55-8         NITRATE-N         2.05         0.01         0.0009         mg/L         to         SM4500-NO3 F         trazzone         so         xo0x/d-4641125           Lab Number:         2121         Sample Description:         HW-2 - Hall-Wentland         Well obs 2         Sample Dats:         1/23/22008           Lab	Lab Num	iber: 2120 Samj	p <del>le</del> Descriptio	on: HVV-1								
Image:	CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	Baich	Comments
100074040       CHLDRAPE       2.2       100       0.150       Indy Cm. 100       State in the CHLD is the ChLD in the CLD i	E-10173	TOTAL DISSOLVED SOLIDS	126	10	10	mg/L	1.0	SM2540 C	1/26/2008	CON	TD8_060128	
E-10184       ELECTRICAL CONDUCTIVITY       101       100	16887-00-6	CHLORIDE	3.2	1.0	0.143	mg/L	10.0	300.0	1/24/2008	BJ	10501244.	
E-11/76       FIREDRESS       07.2       0.00       0.00       mg out its       0.01       0.000       mg/L       1.0       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0009       0.01       0.0000       0.01       0.0000	E-10184	ELECTRICAL CONDUCTIVITY	181	10	10	uS/cm	1.0	SM2510 B	1/25/2008	CCN	EC_060125	
E-10117       CREMERCAL DATIGEN DEMAND       ND       D.0       D <thd< th="">       D       D</thd<>	E-11778	HARDNE88	67.2	3.30	0.055	mg CaC(	1.9	200.7	1/29/2008	ē.	200.7-680129A	•
14797-55-8       NITRATE-N       2.00       0.01       0.003       mg/L       1.0       Mathematical Mathmathematical Mathematinal Mathematical Mathematinal Mathematical M	E-10117	CHEMICAL OXYGEN DEMAND	ND	<b>B.O</b>		mg/L	1.0	SM5220 D	2/1/2208	MAK	COD_080201	
Lab Number:         2121         Sample Description:         HW-2 - Hall-Wentland Well obs 2         Sample Date:         1/23/2008           CAS ID#         Analyte         Result         PQL         MDL         Units         DF         Method         Analyse         Batch         Comments           14797-55-8         NiTRATE-N         0.94         0.01         0.0009         mg/L         10         St4500-N03 F         125:2006         50         NOaN02-080128           E-10173         TOTAL DISSOLVED SOLIDS         125         10         10         mg/L         10         St4500-N03 F         1282006         ccn         T06_660128           16687-00-6         CHLORIDE         2.2         1.0         0.143         mg/L         100         500.0         4242006         BU         J000124A           14265-44-2         ORTHO-PHOSPHATE         0.34         0.01         0.005         mg/L         10         504500-P F         1242008         50         cPH-064044A           E-10139         HYDROGEN KON (pH)         6.51         pH Units 1.6         SM4500-P F         1242008         MAK         PH_080124           E-10617         TURBIDITY         5.43         0.05         0.02         NTU         10	14797-55-8	NITRATE-N	2.00	0.01	0.0009	mg/L	1.0	SM4500-NO3 F	1/25/2008	50	NC3NC2-080125	
14797-55-8       NITRATE-IN       0.04       0.01       0.000       mgL       in       control       mgL       in       control         E-10173       TOTAL DISSOLVED SOLIDS       125       10       10       mg/L       10       SM2540 C       1/2822008       CCN       TDS_000120         16887-00-6       CHLOREDE       2.2       1.0       0.143       mg/L       1.0       SM2540 C       1/2822008       BJ       D80120A         14265-44-2       ORYTHO-PHOSPHATE       0.34       0.01       0.005       mg/L       1.0       SM4500-P F       1/24/2008       SO       CPH 0/56400124A         E-10139       HYDROGEN ION (pH)       6.51       pH Units 1.6       SM4500-P F       1/24/2008       MAK       PH_080134         E-10617       TURBIDITY       5.43       0.05       0.02       NTU       10       180.1       1/24/2008       MAK       PH_080134         E-10184       ELECTRICAL CONDUCTIVITY       180       10       10       US/cm       1.6       SM2510 B       1/28/2006       CCN       EC_089728         E-11778       HARDNESS       67.7       3.30       0.055       mgC aCt 14       200.7       1/28/200 B       MAK       COD 00001 </th <th>Lab Num</th> <th>ber: 2121 Sam</th> <th>ple Descripti</th> <th>on: HW-2</th> <th>- Hall-Wen</th> <th>itiand Well (</th> <th>obs 3</th> <th>2</th> <th>-</th> <th></th> <th>•</th> <th></th>	Lab Num	ber: 2121 Sam	ple Descripti	on: HW-2	- Hall-Wen	itiand Well (	obs 3	2	-		•	
E-10173       TOTAL DISSOLVED SOLIDS       TLD       TO       TO <thto< th="">       TO       TO</thto<>	CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analya	t Balch	Comments
16887-00-8       CHCORDE       2.2       1.0       0.01       0.005       mg/L       1.0       SM4600-P F       1242008       SO       CPHOS-680124A         14265-44-2       ORTHO-PHOSPHATE       0.34       0.01       0.005       mg/L       1.0       SM4600-P F       1242008       SO       CPHOS-680124A         E-10139       HYDROGEN KON (pH)       6.51       pH Upits 1.6       SM4500-H+ B       1242008       MAK       PH_00124         E-10617       TURBIDITY       5.43       0.05       0.02       NTU       1.0       180.1       1242006       MAK       TURE_000124         E-10184       ELECTRICAL CONDUCTIVITY       180       10       10       US/cm       1.0       SM2510 B       M252006       CCH       EC, 086128         E-11778       HARDNESS       67.7       3.30       0.055       mg CaCl 14       200.7       1282008       BJ       200.7480128A	CAS ID#	Analyte NiTRATE-N	Result 0.94	PQL 0.01	MDL 0.0009	Units mg/L	DF 1.0	Method SM4500-NO3 F	Analyzed	Analya 80	t Baich	Comments
14265-44-2       ORTHO-PHOSPHATE       0.03       0.01       0.03       0.01       0.03       0.01 <th0.01< th=""> <th< td=""><td>CAS ID# 14797-55-8 E-10173</td><td>Analyte NiTRATE-N TOTAL DISSOLVED SOLIDS</td><td>Result 0.94 125</td><td>PQL 0.01 10</td><td>MDL 0.0009 10</td><td>Units mg/L mg/L</td><td>DF 1.0 1.0</td><td>Method SM4500-NO3 F SM2540 C</td><td>Analyzed 1/25/2008 1/28/2008</td><td>Analya so ccn</td><td>t Balch NO3NO2-080128 TDS_669128</td><td>Comments</td></th<></th0.01<>	CAS ID# 14797-55-8 E-10173	Analyte NiTRATE-N TOTAL DISSOLVED SOLIDS	Result 0.94 125	PQL 0.01 10	MDL 0.0009 10	Units mg/L mg/L	DF 1.0 1.0	Method SM4500-NO3 F SM2540 C	Analyzed 1/25/2008 1/28/2008	Analya so ccn	t Balch NO3NO2-080128 TDS_669128	Comments
E-10139 HYDROGENIKON (CH) ELS7 CHILD IN CONTROL OF TURE CONTROL CONTRO	CAS ID# 14797-55-8 E-10173 16887-00-6	Analyte NiTRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE	Result 0.94 125 2.2	PQL 0.01 10 1.0	MDL 0.0009 10 0.143	Units mg/L mg/L mg/L	DF 1.0 1.0 1.0	Method SM4500-NO3 F SM2540 C S00.9	Anelyzed 1/25/2009 1/28/2009 1/28/2009	Analya so ccn BJ	2 Baich NO3NO2-080128 TDS_089128 J080124A	Comments
E-10617 TURBIDITY 54-5 0.00 0.02 1100 0.02 1000 0.02 0.02 0.00 0.02 0.00 0.02 0.00 0.0	CAS ID# 14797-55-8 E-10173 16887-00-6 14265-44-2	Analyte NiTRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE	Result 0.94 125 2.2 0.34	PQL 0.01 10 1.0	MDL 0.0009 10 0.143	Units mg/L mg/L mg/L mg/L	DF 1.0 1.0 1.0 1.0	Method SM4500-N03 F SM2540 C S00.9 SM4600-P F	Analyzed 1/25/2008 1/28/2008 1/24/2008 1/24/2008	Analya 80 CCN 8J SO	t Balch NO2NO2-080125 TDS_699129 J080124A CPHOS-680124A	Comments
E-10184 ELECTRICAL CONDUCTORT 100 10 10 10 10 10 10 10 10 10 10 10 10	CAS ID# 14797-55-8 E-10173 16687-00-6 14265-44-2 E-10139	Analyte NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (6H)	Result 0.94 125 2.2 0.34 6.51	PQL 0.01 10 1.0 0.01	MDL 0.0009 10 0.143 0.005	Units mg/L mg/L mg/L pH Units	DF 1.0 1.0 1.0 1.0 1.0	Method SM4500-N03 F SM2540 C 300.9 SM4600-P F SM4500-H+ B	Analyzed 1/25/2006 1/28/2008 1/24/2008 1/24/2008	Analya So CCN BJ SO MAK	8 Baich NO2NO2-080128 TDS_689128 J080124A CPHOS-680124A PH_980134	Commente
E-11778 HARDNESS 07.1 3.30 0.000 mg cut to She220 D 20000 MAK COD 00001	CAS ID# 14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10817	Analyte NITRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORYHO-PHOSPHATE HYDROGEN ION (GH) TURBIDITY	Result 0.94 125 2.2 0.34 6.51 5.43	PQL 0.01 10 1.0 0.01 0.05	MDL 0.0009 10 0.143 0.005 0.02	Units mg/L mg/L mg/L pH Units NTU	DF 1.0 1.0 1.0 1.0 1.0 1.0	Method SM4500-N03 F SM2540 C S00.9 SM4500-P F SM4500-PF B 180.1	Analyzed 1/25/2008 1/28/2008 1/24/2008 1/24/2008 1/24/2008	Analys SO CCN BJ SO MAK	2 Balch NO3NO2-080125 TD5_090120 D00124A C09HC6-080124A PH_080134 TURB_080124	Comments
E-10117 CHEMICAL OXYGEN DEMAND ND 8.0 mg/L 1.1 SM3220 D Dubli Lat 000,0000	CAS ID# 14797-55-8 E-10173 16887-00-6 14265-44-2 E-10139 E-10817 E-10184	Analyte NiTRATE-N TOTAL DISSOLVED SOLIDS CHLORIDE ORTHO-PHOSPHATE HYDROGEN ION (pH) TURBIDITY ELECTRICAL CONDUCTIVITY	Result 0.94 125 2.2 0.34 6.51 5.43 180	PQL 0.01 10 1.0 0.01 0.05 10	MDL 0.0009 10 0.143 0.005 0.02 10	Units mg/L mg/L mg/L pH Units NTU u\$/cm	D)F 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Method SM4500-N03 F SM2540 C S00.9 SM4500-P F SM4500-H4 B 180.1 SM2510 B	Anslyzed 1/25/2008 1/28/2008 1/24/2008 1/24/2008 1/24/2008 1/24/2008	Analys SO CCN BJ SO MAK MAK CCN	t Batch NO2N02-080125 TD5_090120 D90124 CPHC5-080124A CPHC5-080124 TURE_080124 EC_080125	Comments

Lab Number: 2122 Sample Description: HW-3 - Hall-Wentland Well obs 3

Sample Date: 1/23/2008

CAS ID#	Analyte	Result	PQL	MDŁ	Units	DF	Method	Anelyzed	Analys	t Batch	Comments
14797-55-8	NITRATE-N	1.21	0.01	0.0009	mg/L	1.0	SM4500-NO3 F	1/25/2005	<b>SO</b>	NO3NO2-060125	
E-10173	TOTAL DISSOLVED SOLIDS	113	10	10	mg/L	1.0	SM2540 C	1/20/2009	OCN ·	105_060128	
16887-00-6	CHLORIDE	2.6	1.0	0.143	mg/L	10.0	300.0	1/24/2008	ÐJ	10501344	
14265-44-2	ORTHO-PHOSPHATE	0.29	0.01	0.005	mġ/L.	1.9	SM4500-P F	W24/2006	<b>50</b>	OPHOS-080124A	
E-10139	HYDROGEN ION (pH)	6.68			pH Units	1.0	3M4500-H+ B	1/24/2008	MAK	PH_060124	
E-10135	TURBIDITY	29.0	0.05	0.02	NTŲ	1.0	189.1	1/24/2008	MAK	TURB_040124	
E-10184		158	10	10	uS/cm	1.0	ŞM2510 B	1/25/2000	ÇCN	EC_080126	
E-11778	HARDNESS	64.2	3.30	0.055	mg CaCi	1.0	200.7	1/28/2008	BJ	200.7-000129A	
E-10117	CHEMICAL OXYGEN DEMAND	11	8.0		mg/L	1.0	SM5220 D	2/1/2008	HAK	000_000201	• .

PQL = Practical Quantitation Limit is the lowest level that ban 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. D.F. - Diution Factor WSDOH Lab 046

# FROM : WUBWC Hall Weathand FAX NO. : 15419382170 2/13/08

ALI CONT	Lab ID #
	Washington State ID: M1873 EPA ID # WA 01177
	Telephone : (509) 522-3775 Fax: (509) 529-9681
	Date: 02/19/08
581 Mill Creek Road Walls Walls, WA 99362	

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

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

an a	Method 9222D	n na shekara na shekara ka kara	
Sample ID #1	Results	Units	Lab Number
Nanahan Ed. 1		CFU's / 100 mL	143-05243
Sample ID #2	Results	Units	. Leb Number
		CFU's / 100 mL	143-05244
Sample 10 #3	Results	Units	Lab Numbe
		CFU's / 100 mL	143-05245
Sample ID #4	Results	Units 2 Page	
Hall-Wentland-3	0.0	CFU's / 100 mL	143-05246
Sample ID #5	Results		Lab Numbe
Hall-Wentland-1	0.0	CFU's / 100 mL	143-05247
Sample ID #8	Results		Lab Numbe
Hall-Wentland-2	0.0	CFU's / 100 ml.	143-05248
Sample D #7	Results	V Units 7. A g	Lab Numbe
HW-Source	TNTC	CFU's / 100 mL	143-05249

The City of Walls Walls's Mill Creek Walse 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 :

Tom Krets

2-14-08 (date)

Mar. 03 2008 09:45AM P9

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

		Lab ID # 143
ľ		Washington State ID : M1873 EPA ID # WA 01177
I		Telephone : (509) 522-3775
		Fax: (509) 529-9681
	581 Mill Creek Road Walla Walla, WA 99362	

System ID / Name:	Walla W	alla Basin Wat	ershed Council	Amount Due:	\$154.00
Sampler:	Bob Bo	wer \ T.Baker		Invoice Number:	8002
Address:	P.O. Bo	<b>x 68</b>		Date Collected:	2/13/06
City:	Milton-F	reewater		Data Analyzed:	2/13/08
State:	OR	Zip Code:	97874	Lab Analysi:	Skiistad

#### Test Methods Are Selected From The

Standard Methods For Examination Of Water and Westewater - 20th Edition-

and a state of the second state of the second s			
Sample ID #1	Results	<b>Units</b> a succession	i sh Kumbe
viseshen iki 1	7000000	Presence / Absence	143-05236
Sample ID #2	Results		Lab Numbe
Lenine Rd-2		Presence / Absence	143-05237
	Tatai Colifo	rm Present / E-Coli Absent_)	_Present
Sample ID #3	Results	Units Science	Lab Numbe
Manufacture Rid-3	A RECEIVE	Presence / Absence	143-05238
	Total Colifo	m Present / E-Coli Absent_X	Present
Sample ID #4	Results	Units	Lab Numbe
Hall-Wentland-3	Absence	Presence / Absence	143-05239
Sample ID #5	Results	<b>In the Contex</b> t of the Context of t	Leb Numbe
Hali-Wentland-1	Presence	Presence / Absence	143-05240
	Total Colilo	rm Present / E-Coli Absent_X	Present
Sample (D #6	Results	a <b>Units</b> - State	Leb Numbe
Hail-Wentiand-2	Absence	Presence / Absence	143-05241
Sample 10 #7	Results	in the states	<b>Lab Numbe</b>
HW-Source	Presence	Presence / Absence	143-05242
		rm Present / E-Coli Absect	_Present_X_

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

Signature Lab Director :

Tom Kulis

2-14-08 (date)

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

FAX ND. :15419382170 Mar. 03 2008 09:39AM P2

CITY OF WALLA WALLA MILL CREEK WATER THEATMENT PLANT S&I MIII Creek Road - Walla Walle, WA 99382 Phone S09/522-3775 - Fax 509/529-9681 COLIFORM BACTERIA ANALYSIS SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY If Instructions are pot followed, sample will be rejected.	CITY OF WALLA WALLA MILL CRIEEK WATER TREATMENT PLANT 581 Mill Creek Road • Walls Walls, WA 99362 Phone 500/522-3775 • Fax 509/522-0681 COLIFORM BACTERIA ANALYSIS SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD CON LI instructions are not followed, sample will be rejocted.
Date Sample Collected Time Sample County	Date Sample Collected Time Sample County Collected Collected Month Day Year 9:45 PM
Type of Water System (check only one box)  Group A Public  Group B Public  Gro	Type of Water System (check only one box)  Group A Public  Group B Public  Sec. Other  Other
Group A and Group B Systems - Provide from Water Facilities Inventory (WFI): ID#	Group A and Group B Systems – Provide from Water Facilities Inventory (WFI): ID#
Contact Person: GOB COULER_ Day Phone: (54) 938-2170 Cell Phone: (509) 520-3534-	Contact Person: BOB BOWER Day Phone: (541) 938-3170 Cell Phone: (509) 530-3534 Eve. Phone: () FAX: ()
Eve. Phone: ( ) FAX: ( ) Send results to: (Print full name, address and zip code) WALLA WALLA BASIN WATERSHED CONCIL	Send results to: (Print full name, address and zip code)
BID S. LILIN P.D. GOX 68 MILTON FREEWATER DR. 97962	SID S MAIN P.O. BOX 68 MILTON-FRIGUENTER, OR 97862
SAMPLE INFORMATION Sample collected by (name): PDB PDUCE / T. BAKEE	Sample collected by (name): POB PDU VER T BAKER
Specific location where sample collected (address or sample site, and type of faucet):	Specific location where sample collected (address or sample site, and type of faucet):
Type of Sample (must check only one box of #1 through #4 fisted below)         1. □       Routine Distribution Sample         Provide information below.       2. □ Repeat Sample (follow-up to an unsatisfactory sample)         Chlorine Residual: TotalFree       Provide information below.	Type of Sample (must check only one box of #1 through #4 listed below)         1. Image: A contine Distribution Sample         Provide information below.         Chlorinated: Yes         Chlorine Residual: TotalFree
3. □ Raw Water Source Sample Required for Surface Water, GWI, and some Spring Sources) □ Total Cottorn	3.      Rew Water Source Sample     Required for Surface Water, GWI, and     some Spring Sources)     Total Californ     S    S
Chlorinated: YesNo      Chlorine Residual: TotalFree	Public Systems must provide Source Number from (WFI)         Chlorinated: Yes         No           4.52         Sample Collected for Information Only         Only
Construction Repairs Private Residence Other M.EC	Construction Repairs Private Residence OtherC
Satisfactory         Total Coliform Absent         Total Coliform Absent         E.coli present         Fecal coliform present         Fecal coliform absent	Satisfactory       Unsatisfactory         Total Coliform Absent       Total Coliform Present and         E.coli present       E.coli absent         Fecal coliform present       Fecal coliform absent
Replacement Sample Required	Replacement Sample Required
iample not tested because:     Test unsuitable because:       Sample too old (>30 hours)     Intro       improper container     Turbid culture       Improver container     Intro	Sample not tested because: Test unsuitable because: Sample too old (>30 hours) TINTC Improper container Turbic culture
acterial Density Results: Plate Count /ml. E.coli /100ml. otal Coliform /100ml, Fecal Coliform 20. 100ml.	Bacterial Density Results: Plate Count/mL_E.coli/100mi. Total Coliform/100mi. Fecal Coliform_10_, 0_/100mi.
ICR Method Code:     Date and Time Received:       \$\overline{1140}\$     □       \$\overline{1340}\$     □       \$\overline{1360}\$     0	MICR Method Code:         Date and fime Received:           \$\overline{1140}         □         1340         □         2720         □         1/3         0         0         1/3         0         1/3         0         1/3         0         1/3 <td< td=""></td<>
ab/Sample Number Lab Use:	Lab/Sample Number Lab Use:
143-05247	143-05246

CITY OF WALLA WALLA MILL CREEK WATER TREATMENT PLANT 581 MIU Creek Road - Walla Walla, WA 99362 Phone 509/522-3775 - Fax 509/529-9681	MILL CREEK WATER TREATMENT PLANT 581 MILL CREEK WATER TREATMENT PLANT
COLIFORM BACTERIA ANALYSIS SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY	COLIFORM BACTERIA ANALYSIS SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY If instructions are not followed, sample will be rejected.
If instructions are not followed, sample will be rejected.       Date Sample Collected     Time Sample     County       QL / 13 / 08     Collected     Collected       Month     Day     Year     11	Date Sample Collected     Time Sample     County            → / 13 / 05           Collected           Collected             Month     Day     Year <u>3</u> : 10
Fype of Water System (check only one box)       Group A Public       Group B Public       Scoup B Public	Type of Water System (check only one box)         Group A Public         Group B Public         Group B Public
Sroup A and Group B Systems - Provide from Water Facilities Inventory (WFI): D# System Name:	Group A and Group B Systems – Provide from Water Facilities Inventory (WFI): ID#
Contact Person:         Contact Pe	Contact Person:         CDB         Colume           Day Phone:         (241)         938         2170         Cell Phone:         (509)         500         3534           Eve.         Phone:         (         )         FAX:         (         )
Send results to: (Print full name, address and zip code) UKUA WAUA BASIN WATELSHED (DUNGL BLD S. WAIN P.D. BOX 68	Send results to: (Print full name, address and zip code) WALLA WALLA BASINI WATTRSHTD COUNCIL 810 S. MAIN P.D. BOX 68
ALLTON - FREELINTER DR. 97862 SAMPLE INFORMATION	MILTIN - FOCCULATED, OR 978.602 SAMPLE INFORMATION Sample collected by (name): POC POCLAR (T. RAKER
POB BOUSEL (T, BAKER: ipecific location where sample collected (address or sample site, and type of faucel): <u>HU-SOURCE</u> ipecial instructions or comments:	Special instructions or comments:
ype of Sample (must check only one box of #1 through #4 listed below)         .       Routine Distribution Sample         rovide information below.       2.         hlorinated: YesNo       Provide information below.         hlorine Residual: TotalFree       Unsatisfactory routine lab number:         .       Raw Water Source Sample	Type of Sample (must check only one box of #1 through #4 listed below)         1. □ Routine Distribution Sample         Provide information below.         Chlorinated: Yes         No         Chlorine Residual: Total         Free         Unsatisfactory routine lab number:         3. □         Raw Water Source Sample
equired for Surface Water, GWI, and Dme Spring Sources)  Total Collorm S I Fecal Coliform Able Systems must provide Source Number from (WFI) Chlorine Residual: Total Free	Required for Surface Water, GWI, and some Spring Sources)       Unsatisfactory routine collect date:
Image: Sample Collected for Information Only         onstruction Repairs Private Residence Other	Sample Collected for Information Only     Construction Repairs Private Residence Other
Satisfactory         Substantial Coliform Absent           Total Coliform Absent         Total Coliform Present and DXE.coli present           DXE.coli present         E.coli absent           Fecal coliform present         Fecal coliform absent	Satisfactory       Image: Coliform Absent         Total Coliform Present and         Ecoli present         Ecoli present         Fecal coliform present
Replacement Sample Required	C Replacement Sample Required
ample not tested because: Test unsuitable because; Semple too ald (>30 hours)	Sample not tested because: Test unsuitable because: Sample too old (>30 hours) THTC Improper container T urbid culture
acterial Density Results: Plate Count/ml. E.coli/100ml. ntal Coliform/100ml. Fecal Coliform/100ml.	Bacterial Density Results: Plate Count/ml, E.coli/100ml, Total Coliform/100ml, Fecal Coliform/100ml,
ICR Method Code:     Date and Time Received: $\Box$ 1140 $\Box$ 1340 $D(2720)$ $D(13   O R   B)$	MICR Method Code: Date and Time Received: Date Analyzet a control of the second of t
Atte Analyzed: 1/13/C8 (C5) Date Reported: 2/14/OR	Date Analyzon 2(13)08 (5) Barriston 2(14108
b/Sample Number Lab Use: 143 05242	Lab/Sample Number Lab Use: 143-05243
New #1311 210 (merzed \$100)	THE CHARTER STOLEN AND THE TRANSPORT OF SPECIAL CODY FOR FYPE ANATYM OF AFSILL TRA

Loss control A lat for A for a for a late of the analysis of the ananalysis of the analysis of the analysis of the analysis	COLIFOR SAMPLE COLLECTION: 1	CITY OF WALLA W REEK WATER TREATM Joek Road · Walle Wa 509/522-3775 · Fax 50 March Instructions of the Company of the treatment of the treatment of the treatment of the treatme	144. WA 98362 99/529-9681 ANALYSIS			merk Road - Wi 509/522-3775 - MBACTI	WALLA REATIMENT PLANT pile Walls, WA 99362 Pex 509/529-9691 ERIA ANALYSIS
Data Statig & Guession       County       County       County         Data Statig & Guession       County       County       County       County         Data Statig & Guession       County       County       County       County       County         Data Statig & Guession       County       County </th <th></th> <th>the are not tonoring, sample</th> <th>will be rejected.</th> <th></th> <th>SAMPLE COLLECTION: F # instruction</th> <th>READ INSTRUCTIO</th> <th>I. sample will be rejected</th>		the are not tonoring, sample	will be rejected.		SAMPLE COLLECTION: F # instruction	READ INSTRUCTIO	I. sample will be rejected
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Type of the standard construction of the standard of th					· · · · ·	Collected	
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143- 002.39		Lao Use:	-		Lab/Sample Number		Lab Use:
	143- 05238				143- 05239		· · · · · · · · · · · · · · · · · · ·
	xm #331-319 (event 508) SEE REVE	RSE OF GREEDI CORV ENS	FID ANATON OC STOLE 75				

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CITY OF	K T CITY OF
👘 💛 🔏 JWALLA WALLA 😳 👘 🗄	K. WALLA WALLA
MILL CREEK WATER TREATMENT PLANT	MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road - Walta Walta, WA 99362 Phone 509/522-3775 - Fax, 509/529-9681	581 Mill Creek Road + Walls Walls, WA 99362 Phone 509/522-3775 + Fax 509/529-6681
COLIFORM BACTERIA ANALYSIS	COLIFORM BACTERIA ANALYSIS
MPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY If instructions are not tollowed, sample will be rejected.	SAMPLE COLLECTION: READ WISTRUCTIONS ON BACK OF GOLDEN ROS COPY B instructions are bot followed, sample will be rejected.
Date Sample Collected Time Sample County	Date Sample Collected Time Sample County
2/13/OR Collected	JUZ Collected
Month Day Year 10 10 AM	Month Day Year 10:35 Thu
Type of Water System (check only one box)	Type of Water System (check only one box)
Group A Public     Group B Public     Group B Public     Group B Public     Group B Public	Group A Public     Group B Public     Group B Public     Group B Public     Group B Public
Group A and Group 8 Systems - Provide from Water Facilities Inventory (WFI):	Group A and Group B Systems - Provide from Water Facilities Inventory (WFI):
	ID#
System Name:	System Name:
Contact Person: BOB BOLUGE	Contact Person: BOB BOWER
Day Phone: (541) (38-7170 Cell Phone: (509) 520-3534	Day Phone: (54) 938-2170 Celi Phone: (59) 570-3534
Eve. Phone; ( ) FAX: ( )	Eve. Phone: ( ) FAX: ( )
Send results to: (Print full name, address and zip code)	Send results to: (Print full name, address and zip code)
WALLA WHILL BASIN WATERSHED OTNOIL	WALLA WALLA BASIN WAREPSHOD COUNCIL
BIDS. MAIN AD. BOX 68	BID S MAIN PO BOX 68
MILLON FRISHWATCH P 97862	MILTON-FREEMATCH, OR 97862
SAMPLE INFORMATION	SAMPLE INFORMATION
Sample collected by (name):	Sample collected by (name):
COS BOLLER AT BAKER.	BOB PRIVER / T. PAKER
Specific location where sample collected (address or sample site, and type of faucet):	Specific location where sample collected (address or sample site, and type of faucet);
HW-1	HW-2
Special Instructions or comments:	Special instructions or comments:
Type of Sample (must check only one box of #1 through #4 isted below)	Type of Sample (must check only one box of #1 through #4 listed below)
	1. C Routine Distribution Sample 2. C Repart Sample (follow-up)
1.      C Repeat Sample     Provide information below.     to an unsatisfactory sample)	Provide information below. to an unsatisfactory sample)
Chlorinated: YesNo Provide information below.	Chlorinated: YesNo Provide information below.
Chlorine Residual: Total Free Unsatisfactory routine lab number:	Chlonine Residual: Total Free Unsatisfactory routine lab number:
3. Raw Water Source Sample Required for Surface Water, GWI, and	3. Required for Surface Water, GWI, and Upgestiefer the collect data:
some Spring Sources) Total Contorn	some Spring Sources)
Children must must be the limit of the AMT Children ( Tes NO	Public Systems must provide Source Number from (WFI) Chilorinated: Yes No Chilorine Residual: Total Free
4.54. Sample Collected for Information Only	4. 2-Sample Collected for Information Only
ConstructionRepairsPrivate ResidenceOther_PA	Construction Repairs Private Residence Other
Satisfactory	Satisfactory
Satisfactory Total Coliform Absent Total Coliform Present and	Total Coliform Absent Total Coliform Present and
DE.coli present	🗆 E.coli present 🔤 E.coli absent
Fecal coliform present     Fecal coliform absent	APSENT Fecal coliform present Fecal coliform absent
C Replacement Sample Required	Replacement Sample Required
Sample not tested because: Test unsuitable because:	Sample not tested because: Test unsuitable because;
J Sample too old (>30 hours)     Improper container     Turbid culture	Sample too ald (>30 hours)     TNTC     Improper container
Sacterial Density Results: Plate Count/mi. E.coll/100ml.	Bactarial Dansity Results: Plate Count/ml. E.coli/100ml,
Total Coliform/100ml. Fecal Coliform/100ml.	Tatai Coliform/100ml. Fecal Coliform/100ml.
VICP Method Code: Date and Time Received: 00	MICR Method Code: Date and Time Received:
13039 $1340$ $1340$ $132720$ $13039$ $199$ $190$	
Date Analyzed: 213/28 (S) Date Reported: 2114/08.	Date Analyzed: 113/08 (5) Date Reported: 3/14/08
.al/Sample Number Lab Use:	Lab/Sample Number Lab Use:
143- 05240	143- 05241
	DON FORM #331-319 General SER, SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS
Form #331-319 (revised 506) SEE REVERSE OF GREEN COPY FOR EVER ANST-COP CONST.	UN PORTAGENDING SHOP SET OF VERTICAL OF GREEN COPY FOR FXPLANATION OF RESULTS

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WILL CREEK WATER TREATMENT PLAT	CITY OF WALLA WALLA
Sut Will Creek Road - Wollie Wale, WA 19982 Protect SUBS2-3773 - Fax Stars29-seat COLIFORM BACTERIA ANALYSIS SAMPLE COLLECTION: RECO NOTIFICIDING ON BACK OF GOLDEN ROD COPY I Instructions Are not famored, sample ball for registrat,	SALL NEW Cruck Read - Walk Walk, WA 9992 Phone RevS23-3775 - Fax 508/529-08/1 COLFORM RACTERIA ANALYSIS SAMPLE COLLECTION READ INSTRUCTIONS ON BACK DO GOLDEN NOD CO # Instructions we not informed, sample with the relations
し And Sample Collected Time Service County コーパー3 / 0名 Collected Collected Ministry Year 11、05月 AM	Valle Sample Collected Tame Sample r2. / (3. /06) Collected County Month Day Year 10. 25 BL/M
Type of Water System (check only one box) Group A Public Group B Public Group B Systems - Provide from Visier Facilities Inventory (WPI):	Type of Walar System (check only one box) Group A Public Group B Public Group A and Group B Systems - Provide Irom Water Facilities Investory (WFs):
Dif	But System Name: Contact Person: COPS (CONT)
Day Phone:         (C) (C) (C) (C) (C)           Eve. Phone:         (C) (C) (C) (C)           Eve. Phone:         (C) (C) (C)           Send results to:         (Print full rests, address and zip code)	Day Phona: (G41) G3.5 Q170 Call Phona: (G70) G3D.35 Eve. Phona: ( ) FAC( ) Send results to: (Print full name, address and zip code)
BIO D, MAINL RO. BX 63	810 S. MAIN P.O. BX 68
MULTION LE FREE LUDICE DE 9:7867- Sample collected by (name):	MUTON-FREE WATER DR. 97863- SAMPLE INFORMATION Sample collected by (name):
BOB POWYR / T. PAKCR Specific location where sample collected (address or sample site, and type of faucet): HW- SO(1)R CF	BOB GOWER/T: BAKER_ Specific location where sample collected (address or sample alle, and type of fat HW-J
Special instructions or comments:	Spociel instructions or comments;
Type of Sample (must check only one box of \$1 through \$4 listed below)           1. C Routine Distribution Sample         2. CRepest Sample (follow-up)           Provide information below.         0 on unsatisfactiny sample)           Chlorine Residual Total         Free	Type of Sample (mxst check only one box of #1 #vough #4 letted below)           1. □ Routine Distribution Sample Provide information below.         2. □ Rapitst Sample (follow-up to an unastisfactory sample)           Chiometed: YesNo         Provide information below.
Active water Source Sample Required for Surface Water, GWJ, and Some Spring Sources)	3. □ Raw Witter Source Sample     Required for Sufface Water, GWI, and     Unsetisfactory routine collect date:     □ Total Catern     L
Patic Systems num previou Source humber from (HTF) Chlorinsted: Yes No AVEL Semple Collected for Information Only	Public Systems routing provide Boomper Number Texts (NFT     Chloring Residual: Total Prove     A SL Sample Collected for Information Only
Construction Repairs Private Residence Other MPC	ConstructionRepairsPrivate ResidenceOtherMER
Satisfactory     Unstatisfactory       Total Coliform Present and     Ecoli present       Ecoli present     Ecoli absent       Facal coliform present     Facat coliform absent	Colling Access     Colling
Sample not tested because:	Replacement Sample Required     Semple not tested because:     Sample not tested because:     Sample too not (>30 hours)     Divito
Bacterial Density Results: Plate Countfril. £.coli	Bacterial Density Results: Plate Count/mi. E.coli/100m
Total Coliform/100ml, Fecal Coliform/100ml,	MCR Method Code: SK 1140 □ 1340 □ 2720 →13(OS, @)
MICR Method Code: Date and Time Roceived:	
MICR Method Code: Date and Time Roceived:	Date Analyzed:         1/3/05         Date Reported:         1/4/08           Lab/Sample Humber         Lab User:         143-05248         Lab User:

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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 Henderson, PhD Director of Laboratories

Enclosures Data Report QC Reports Chain of Custody



Page 2 of 3 Reference Number: 08-01833 Report Date: 3/7/2008

## Data Report

Collected By:	T Baker/L Lewis						Date R	eceived: 2	2/14/20	08	
E-11778	HARDNESS	75.3	3.30	0.055	mg CaC(	1.0	200.7	2/16/2008	BJ :	200.7-060218A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0	•••••	-	1.0	SM5220 D	2/15/2008	MAK	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	•	1.0	300.1	3/4/2008	MVP	D080303A	
 Lab Numb	· · · · · · · · · · · · · · · · · · ·	e Description	n: <b>HW-1</b> .	Hall-Wen	tland OBS #	±1		Sample	Date:	2/13/2008	
Lab Numb	61. 4102 Oamp								6 m a h un é	Batab	Commonto
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed			Comments
14797-55-8	NITRATE-N	1.82	0.100	0.015	•	1.0	300.0	2/14/2008	BJ	1080214A	
E-10173	TOTAL DISSOLVED SOLIDS	137	10	10	•	1.0	SM2540 C	2/18/2008		TDS_080218	
16887-00-6	CHLORIDE	2.8	0.10	0.0143	-	1.0	300.0	2/14/2008	BJ	1080214A	
14265-44-2	ORTHO-PHOSPHATE	0.31	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	SO	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	6.67			pH Units	1.0	SM4500-H+ B	2/14/2008		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	2/18/2008	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- <b>45</b> -4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/4/2008	MVP	D080303A	
 Lab Numb	er: 4103 Sam	ole Descriptio	n: HW-2	- Hall-Wer	tland OBS	#2		Sample	e Date:	2/13/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comments
14797-55-8	NITRATE-N	3.46	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	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	BJ	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	2/15/2006	CCN	EC_080215	
E-11778	HARDNESS	72.9	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	мак	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/4/2008	MVP	D080303A	
 Lab Numt	per: 4104 Sam	ple Descriptio	on: HW-3	- Hail-We	ntland OBS	#3		Sample	e Date:	2/13/2008	
 CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	st 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	1080214A	
14265-44-2	ORTHO-PHOSPHATE	0.29	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	so	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	6.64			pH Units	1.0	SM4500-H+ B	2/14/2008	MAK	PH_080214	
E-10617	TURBIDITY	6.94	0.05	0.02	NTU	1.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	161	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_060215	
E-11778	HARDNESS	63.2	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		3/6/2008	₩VP	- D080306A	
19941-49-4			0.000								

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

D.F. - Dilution Factor

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

## Data Report

Collected By: T Baker/L Lewis

Date Received: 2/14/2008

Eap Nun	nber: 4105 Sam	Sample Description: HW-Source - Hall-Wentland Source					irce	Sample Date: 2/13/2008			
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analysi	t Batch	Comment
14797-55 <b>-8</b>	NITRATE-N	0.78	0.100	0.015	mg/L	1.0	300.0	2/14/2008	BJ	1080214A	
E-10173	TOTAL DISSOLVED SOLIDS	115	10	10	mg/L	1.0	SM2540 C	2/18/2008	CCN	TDS_080218	
16887-00-6	CHLORIDE	2	0.10	0.0143	mg/L	1.0	300.0	2/14/2008	вJ	1080214A	
14265-44-2	ORTHO-PHOSPHATE	0.31	0.01	0.005	mg/L	1.0	SM4500-P F	2/14/2008	so	OPHOS-080214A	
E-10139	HYDROGEN ION (pH)	7.64			pH Units	1.0	SM4500-H+ B	2/14/2008	МАК	PH_080214	
E-10617	TURBIDITY	5.89	0.05	0.02	NTU	1.0	180.1	2/14/2008	MAK	TURB_080214	
E-10184	ELECTRICAL CONDUCTIVITY	144	10	10	uS/cm	1.0	SM2510 B	2/15/2008	CCN	EC_080215	
E-11778	HARDNESS	58.8	3.30	0.055	mg CaC(	1.0	200.7	2/18/2008	BJ	200.7-080218A	
E-10117	CHEMICAL OXYGEN DEMAND	17	8.0		mg/L	1.0	SM5220 D	2/15/2008	MAK	COD_080215	
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	3/6/2008	MVP	D080306A	

PQL = Practical Quantitation Limit is the lowest level that can be 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 D.F. - Dilution Factor



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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

	Field ID: Sample Description: Sampled By:					3/4/2008 2/22/2008 515_080226 CO pwV A		
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	PENTACHLOROPHENC	)L	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 & Metabo	lites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLI	TES)	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 <b>-66-6</b>	ACIFLUORFEN		ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN		ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZO		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 compounds.

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

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



 
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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	Lab Number:	04103
Field ID	: HW-2	Report Date:	3/4/2008
Sample Description	Hall-Wentland OBS #2	Date Analyzed:	2/22/2008
Sampled By	: T Baker/L Lewis	Extraction Date:	515_080226
Sample Date	2/13/2008	Analyst:	
Source Type	:	Peer Review:	MVA.
Sampler Phone		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						
19 <b>18-00-9</b>	DICAMBA	ND	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		•
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		· .
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

ND = Not detected above the listed practical quantitation ilmit (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 Lavel (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. 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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Beilinghan, WA (500 G chard D State - 35220 Meterology 360 671 0688 • 360 671 1577 fax

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-W Field ID: HW-3 Sample Description: Hall-Wentland Sampled By: T Baker/L Lev Sample Date: 2/13/2008 Source Type: Sampler Phone:	d OBS #3			Da Ext	Lab Number: Report Date: ate Analyzed: traction Date: Analyst: Peer Review: ttical Method:	3/4/2008 2/22/2008 515_080226 CO MUA
CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						· · · · · · · · · · · · · · · · · · ·
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
	EPA Unregulated						
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		
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ND = Not detec we 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. POL - 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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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	Lab Number:	04105
Field ID:	HW-Source	Report Date:	3/4/2008
Sample Description:	Hall-Wentland Source	Date Analyzed:	2/22/2008
Sampled By:	T Baker/L Lewis	Extraction Date:	515_080226
Sample Date:	2/13/2008	Analyst:	CO
Source Type:		Peer Review:	MVA
Sampler Phone:		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						
191 <b>8-00-9</b>	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 <b>-89-0</b>	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 compounds.

A blank MCL or SAL value indicates a level is not currently established. PQL - Practical Quantilation 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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Page 1 of 2

Reference Number: 08-01833

## SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Lab Number: 04604102 Project: LocherHall-Wentland/HBDIC Report Date: 3/3/2008 Field ID: HW-1 Date Analyzed: 3/2/2008 Sample Description: Hall-Wentland OBS #1 Extraction Date: 525\_080221 Sampled By: T Baker/L Lewis Analyst: CO Sample Date: 2/13/2008 Peer Review: MVA Source Type: Analytical Method: 525.2 Sampler Phone: Synthetic Organics COMMENT MCL MDL RESULTS Units PQL COMPOUND CAS **EPA Regulated** 2 0.030 0.1 ND ug/L 72-20-8 ENDRIN 0.2 0.028 ND ug/L 0.1 58-89-9 LINDANE (BHC - GAMMA) 0.015 40 0.1 ND ug/L 72-43-5 METHOXYCHLOR 2 0.044 0.1 ND ug/L 15972-60-8 ALACHLOR 0.030 3 0.1 ND ug/L 1912-24-9 ATRAZINE 0.012 0.201 ND ug/L 50-32-8 BENZO(A)PYRENE 2 0.3 ND ug/L 0.1 CHLORDANE, TECHNICAL 57-74-9 400 0.022 0.1 ND ug/L DI(ETHYLHEXYL)-ADIPATE 103-23-1 0.063 6 0.1 ND ug/L DI(ETHYLHEXYL)-PHTHALATE 117-81-7 0.4 0.022 0.1 ND ug/L HEPTACHLOR 76-44-8 0.2 0.1 0.02 ND ug/L 1024-57-3 HEPTACHLOR EPOXIDE 0.025 1 0.1 ND ug/L HEXACHLOROBENZENE 118-74-1 0.024 50 0.1 ug/L ND HEXACHLOROCYCLO-PENTADIENE 77-47-4 0.1 0.030 4 ND ug/L 122-34-9 SIMAZINE screening only / compliance by 515.1 0.08 1 0.4 ND ug/L 87-86-5 PENTACHLOROPHENOL EPA Unregulated 0.022 0.1 ND ug/L 309-00-2 . ALDRIN 0.1 0.024 ND ug/L 23184-66-9 BUTACHLOR 0.031 0.1 ND ug/L DIELDRIN 60-57-1 0.1 0.024 ND ug/L 51218-45-2 METOLACHLOR 0.030 0.1 ND ug/L 21087-64-9 METRIBUZIN 0.031 ND ug/L 0.1 PROPACHLOR 1918-16-7 State Unregulated - Other 0.031 0.1 ND ug/L 314-40-9 BROMACIL 0.1 0.043 ND ua/L 5902-51-2 TERBACIL

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.

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Reference Number: 08-01833 Page 2 of 2 Lab Number: 04604102 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		
217 <b>2</b> 5-46-2	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	<b>0.1</b> .	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- <b>99-2</b>	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		
20 <b>7-08</b> -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		
35-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ŇD	· ug/L	0.1	0.022		
	- Phthalates						
35-68-7	BENZYL BUTYL PHTHALATE	ND · ·	ug/L	0.1	0.022		
34-7 <b>4-2</b>	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
	Other Compounds						
1235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1^		

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

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

A blank MCL or SAL value indicates a level is not currently established. PQL - Practical Quantifation 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 98% 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: 08-01833

	Project: LocherHall-Wentland/HBDIC Field ID: HW-2 Sample Description: Hall-Wentland OBS #2 Sampled By: T Baker/L Lewis Sample Date: 2/13/2008 Source Type: Sampler Phone:				Da Extr	Report Date: te Analyzed:	2/22/2008 525_080221 CO MVK
CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	NDD2	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87 <b>-86-</b> 5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	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	DIELORIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND .	ug/L	0.1	0.024		
	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		
	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: 04604103 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		
50-2 <b>9-</b> 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	NDD2	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	NDD2	ug/L	0.1	0.01 <b>2</b>		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
	Other Compounds						
51235-04-2	HEXAZINONE (Veipar)	ND	ug/L	0.1	0.1^		

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

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

A blank MCL or SAL value indicates a level is not currently established. PQL - Practical Quantifation Limit is the concentration of the standard analyzed during the initial calibration. MDL - Method Detection Limit is the concentration of the standard analyzed during the initial calibration. MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero. J - Estimated value.



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# SYNTHETIC ORGANIC COMPOUNDS (SUC) REPURI

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> Lab Number: 04604104 Project: LocherHall-Wentland/HBDIC Report Date: 3/3/2008 Field ID: HW-3 Date Analyzed: 3/2/2008 Sample Description: Hall-Wentland OBS #3 Extraction Date: 525\_080221 Sampled By: T Baker/L Lewis Analyst: CO Sample Date: 2/13/2008 Peer Review MVA Source Type Analylical Mellicid State 2 Sampler Flione. Synthetic Organics COMMENT MCL MDL PQL RESULTS Units COMPOUND

CAS	COMPOUND	RESULTS	Units	PQL			
	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	
	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 5
-	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		
	2 METOLACHLOR	ND	ug/L	0.1	0.024		
	9 METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7		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 (

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. r we - r reveal submittion that is the compound concentration is greater than arrowing one entration is greater than zero. MDL - Method Delection Limit is the lab's minimum concentration is 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: 04604104 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		
50-2 <b>9-</b> 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		
1582-0 <del>9</del> -8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	<b>0</b> .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	<b>0</b> .1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/Ł	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 <b>-</b> 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 <b>-11</b> -3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
	Other Compounds						
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1^		

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

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, 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 lat/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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Page 1 of 2

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Reference Number: 08-01833

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

	Project: LocherHall-W Field ID: HW-Source Sample Description: Hall-Wentland Sampled By: T Baker/L Lev Sample Date: 2/13/2008 Source Type: Sampler Phone:	d Source			F Dat Extr F Analyt	Report Date: te Analyzed: action Date: Analyst: Peer Review: tical Method:	3/2/2008 525_080221 CO MVA 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.
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
	9 BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
	2 METOLACHLOR	ND	ug/L	0.1	0.024		
	9 METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7		ND	ug/L	0.1	0.031		
1310-10-7	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
		ND	ug/L	0.1	0.043		
5902-51-2	TERBACIL		-				

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. Fust- Flavores Quantinetion Links is the compound concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero. 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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Reference Number: 08-01833 Page 2 of 2 Lab Number: 04604105 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	<b>0</b> .1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-0 <b>9-</b> 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- <b>96-8</b>	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- <b>99-</b> 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		
20 <b>7-08-9</b>	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 <b>9-00-0</b>	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates					-	
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		
	Other Compounds		_				
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1^		

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

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

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MCL - Maximum Configuration Level, maximum pointrasive even of a concentration in version conductance of a concentration of the standard analyzed during the initial calibration. MDL - Method Detection 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.





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Page 1 of 1

#### **DATA REPORT**

Client Name:	Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862	Reference Number: Project:	08-01833 LocherHall-Wentland/HBDIC
Lab Number:	4102	Report Date:	3/10/2008
Field ID:	HW-1	Date Analyzed:	2/22/2008
Sample Description:	Hall-Wentland OBS #1	Analyst:	со
Matrix:	Drinking Water	Peer Review:	MVA
Collect Date:	2/13/2008	Analytical Method:	525.2
Extraction Date:	2/21/2008	· ·	
Extraction Method:	3535		

SOC for Walla Walla								
CAS ID#	COMPOUNDS	RESULT Flag	Units	PQL	MDL	<u>D.F.</u>	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		
1 <b>5299-99-7</b>	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 Iv
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		
4312 <b>1-43-3</b>	TRIADIMEFON	ND	ug/L	0.1	0.07	1.0		
51235- <b>04-2</b>	HEXAZINONE	ND	ug/L	0.1	0.05	1.0		,
			-					

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

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Fisgs 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.



Extraction Method: 3535

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Page 1 of 1

#### DATA REPORT

Client Name:	Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862	Reference Number: Project:	08-01833 LocherHall-Wentland/HBDIC
Lab Number:	4103	Report Date:	3/10/2008
Field ID:	HW-2	Date Analyzed:	2/22/2008
Sample Description:	Hall-Wentland OBS #2	Analyst:	СО
Matrix:	Drinking Water	Peer Review:	MUA
Collect Date:	2/13/2008	Analytical Method:	525.2
Extraction Date:	2/21/2008		

	SOC for Walla Walla								
CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	<u>D.F.</u>	Batch	COMMENT
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	WALLA_080221	
5783 <b>7-19-1</b>	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-9 <b>9-7</b>	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
601 <b>68-88-9</b>	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89 <b>-</b> 9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
778 <b>6-34-7</b>	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 <b>-43-3</b>	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
51235-04-2	HEXAZINONE	NĎ		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 POL or MDL.

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





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Page 1 of 1

#### DATA REPORT

Client Name:	Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862	Reference Number: Project:	08-01833 LocherHall-Wentland/HBDIC
Lab Number:	4104	Report Date:	3/10/2008
Field ID:	HW-3	Date Analyzed:	2/22/2008
Sample Description:	Hall-Wentland OBS #3	Analyst:	со
Matrix:	Drinking Water	Peer Review:	MUA
Collect Date:	2/13/2008	Analytical Method:	525.2
Extraction Date: Extraction Method:			

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/I       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	SOC for Walla Walla						
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 Action         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       0.1       0.03       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	IT						
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 Action         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       0.1       0.03       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							
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 Action 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							
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 Action and the stable and the stable in Action and the stable and the sta							
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 Action and the second							
333-41-5       DIAZINON       ND       ug/L       0.1       0.04       1.0       Unstable in Action         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							
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							
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	Acidified Sample M						
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							
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							
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							
72-54-8 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. - Dikution Factor.





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#### DATA REPORT

Client Name:	Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862	Reference Number: Project:	08-01833 LocherHall-Wentland/HBDIC
Lab Number:	4105	Report Date:	3/10/2008
Field ID:	HW-Source	Date Analyzed:	2/22/2008
Sample Description:	Hall-Wentland Source	Analyst:	
Matrix:	Drinking Water	Peer Review:	MVA
Collect Date:	2/13/2008	Analytical Method:	525.2
Extraction Date: Extraction Method:			

	SOC for Walla Walla								
CAS ID#	COMPOUNDS	RESULT	Flag	Units	POL	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 V
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		
51 <b>235-04-2</b>	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

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

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

	Field ID: Sample Description:	Hall-Wentland OBS T Baker/L Lewis				Da Ext	Report Date: ite Analyzed:	2/25/2008 531_080225 CO MVA
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	E	ND	ug/L	1.0	0.71		
164 <b>6-88-4</b>	ALDICARB SULFONE		ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL		ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFU	RAN	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	d - 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 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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Page 1 of 1

Reference Number: 08-01833

#### CARBAMATES IN DRINKING WATER

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

Project:LocherHall-Wentland/HBDICLab Number:04103Field ID:HW-2Report Date:3/3/2008Sample Description:Hall-Wentland OBS #2Date Analyzed:2/25/2008Sampled By:T Baker/L LewisExtraction Date:531\_080225Sample Date:2/13/2008Analyst:COSource Type:Peer Review:/M/ASampler Phone:Sampler Phone:Sampler Phone:

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-2 <b>2-0</b>	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	u <b>g/L</b>	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646 <b>-88-4</b>	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655 <b>-82-6</b>	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63 <b>-25-2</b>	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		

NL = NC. assectant, above the issue 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.

CODUL COO OF

PQL - Practical Quantilation 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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Reference Number: 08-01833

### CARBAMATES IN DRINKING WATER

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

Project: LocherHall-Wentland/HBDIC Lab Number: 04104 Report Date: 3/3/2008 Field ID: HW-3 Date Analyzed: 2/25/2008 Sample Description: Hall-Wentland OBS #3 Extraction Date: 531\_080225 Sampled By: T Baker/L Lewis Analyst: CO Sample Date: 2/13/2008 Peer Review: MVA Source Type: Sampler Phone: Analytical Method: 531.2 Carbamates MCL COMMENT CAS COMPOUND RESULTS Units MDL PQL **EPA Regulated** 0.81 200 1.0 23135-22-0 OXYMAL ND ug/L 40 1563-66-2 CARBOFURAN ND ug/L 1.0 0.87 **EPA Unregulated** 1.0 0.71 1646-87-3 ALDICARB SULFOXIDE ND ug/L 1646-88-4 ND 1.0 0.83 ALDICARB SULFONE ug/L 0.86 16752-77-5 METHOMYL ND ug/L 1.0 16655-82-6 3-HYDROXYCARBOFURAN ND ug/L 1.0 1.0 1.0 0.88 116-06-3 ND ug/L ALDICARB 63-25-2 CARBARYL ND ug/L 1.0 0.53 State Unregulated - Other 0.72 1.0 114-26-1 PROPOXUR (BAYGON) ND ug/L 1.0 0.76 2032-65-7 METHIOCARB ND ug/L

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.

POL - 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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Page 1 of 1

#### CARBAMATES IN DRINKING WATER

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

Reference Number: 08-01833

		Field ID: Sample Description:	LocherHall-Wentlan HW-Source Hall-Wentland Sour T Baker/L Lewis 2/13/2008			·	ا Da Extr	Analyst: Peer Review: lical Method:	3/3/2008 2/25/2008 531_080225 CO MV/A	
-	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 <b>-77-5</b>	METHOMYL		ND	ug/L	1.0	0.86			
	16655-82-6	3-HYDROXYCARBOFU	RAN	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)	1	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 Conterninant 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. POL - Prectical Quantitation 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 compound concentration is greater than zero. J - Estimated value.



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Page 1 of 1

#### DATA REPORT

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

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

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

Lab Number:	4102
Field ID:	HW-1
Sample Description:	Hall-Wentland OBS #1
Matrix:	Drinking Water
Collect Date:	2/13/2008
Extraction Date:	
Extraction Method:	3535

#### Synthetic Organics - Extended List

CAS ID#	COMPOUNDS	RESUL	T* Units	PQL	MDL	D.F. Batch	COMMENT
0	ther Compounds						
51235- <b>04-2</b>	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1^	1.0 525X_080221	



Field ID: HW-2

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

Sample Description: Hall-Wentland OBS #2

Matrix: Drinking Water

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Page 1 of 1

#### DATA REPORT

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

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

Report Date:3/3/2008Date Analyzed:2/22/2008Analyst:COPeer Review:/▲√AAnalytical Method:525.2

Synthetic	Organics	<ul> <li>Extended List</li> </ul>
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CAS D#	COMPOUNDS	<b>RESULT*</b>	Units	PQL	MDL	D.F. Batch	COMMENT
0	ther Compounds						
51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.1^	1.0 525X_080221	

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

Alphe characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the PQL or MDL.

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



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Page 1 of 1

#### DATA REPORT

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

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

Milton-Freewater, OR 97862 Lab Number: 4104 Field ID: HW-3 Sample Description: Hall-Wentland OBS #3 Matrix: Drinking Water Collect Date: 2/13/2008 Extraction Date: Extraction Method: 3535

Client Name: Walla Walla Basin Watershed Council

810 S Main Street

#### Synthetic Organics - Extended List

CAS ID#	COMPOUNDS		RESULT	r <u>* Units</u>	PQL	MDL_	D.F. Batch	COMMENT
0	ther Compounds	-						
51235-04-2	HEXAZINONE (Velpar)		ND	ug/L	0.1	0.1^ .	1.0 525X_080221	

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

Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the POL 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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Page 1 of 1

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#### DATA REPORT

Client Name:	Walla Walla Basin Watershed Council	Reference Number:	
	810 S Main Street	Project:	LocherHall-Wentland/HBDIC
	Milton-Freewater, OR 97862		
Lab Number:	4105	Report Date:	3/3/2008
Field ID:	HW-Source	Date Analyzed:	2/22/2008
Sample Description:	Hall-Wentland Source	Analyst:	
Matrix:	Drinking Water	Peer Review:	MUA
Collect Date:	2/13/2008	Analytical Method:	525.2
Extraction Date:			
Extraction Method:	3535	-	

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

\*Result of:

NA - indicates the compound was not analyzed. Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the PQL or MDL.

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



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Page 1 of 1

#### DATA REPORT

Client Name: Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862 Reference Number: 08-01833 Project: LocherHall-Wentland/HBDIC

Report Date: 2/29/2008 Date Analyzed: 2/22/2008 Analyst: GEB Peer Review: 454 Analytical Method: 549.2

Lab Number: 4102 Field ID: HW-1 Sample Description: Hall-Wentland OBS #1 Matrix: Drinking Water Collect Date: 2/13/2008 Extraction Date: 2/20/2008 Extraction Method: 3535

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

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

Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be 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	Reference Number: Project:	08-01833 LocherHall-Wentland/HBDIC
Lab Number:	4103	Report Date:	2/29/2008
Field ID:	HW-2	Date Analyzed:	2/22/2008
Sample Description:	Hall-Wentland OBS #2	Analyst:	
, .	Drinking Water	Peer Review.	167
Collect Date:	2/13/2008	Analytical Method:	549.2
Extraction Date: Extraction Method:		· · · · ·	

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

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

Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the PQI, or MDL.

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

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		DA	TA REPORT		
Client Name:	Walla Walla Basin Waters 810 S Main Street Milton-Freewater, OR 978		I .	Reference Number: Project:	08-01833 LocherHall-Wentland/HBDIC
Lab Number:	4104			Report Date:	
Field ID:	HW-3			Date Analyzed:	2/22/2008
Sample Description: Matrix: Collect Date: Extraction Date: Extraction Method:	2/13/2008 2/20/2008			Analyst: Peer Review: Analytical Method:	tor/
Extraction method:	0000				

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

\*Result of: NA - indicates the compound was not analyzed. Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the PQL or MDL.

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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.



Field ID: HW-Source

Sample Description: Hall-Wentland Source

Collect Date: 2/13/2008 Extraction Date: 2/20/2008

Matrix: Drinking Water

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Page 1 of 1

#### DATA REPORT

Client Name:	Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862
Lab Number:	4105

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

Report Date: 2/29/2008 Date Analyzed: 2/22/2008 Analyst: GEB Peer Review: 407 Analytical Method: 549.2

Extraction	Method, 5555							
		1	Paraquat					
CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F. Batch	COMMENT	
1910-42-5	PARAQUAT	ND	ug/L	2	1.0	1.0 549P_080220		

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

Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantifation 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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Page 1 of 12



#### 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	Qualifier Type*	Comment
200.7-080218A	HARDNESS	72.3	69.5	mg/L	200.7	104	80-120	LFB	
508_080221	TETRACHLORO-M-XYLENE (SURR)	94		%	508.1		70-130	LFB	
515_080226	2,4 - D	2	2	ug/L	515.1	100	70-130	LFB	
	2,4 - DCAA (SURR)	99		%	515.1		70-130		
	2,4 DB	9.3	8	ug/L	515.1	116	70-130		
	2,4,5 - TP (SILVEX)	0.9	1	ug/L	515.1	90	70-130		
	2,4,5 T	0.94	1	ug/L	515.1	94	70-130		
	ACIFLUORFEN	0.91	1	ug/L	<b>\$15.1</b>	91	70-130		
	BENTAZON	2	2	ug/L	515.1	100	70-130		
	CHLORAMBEN	0.7	1	ug/L	515.1	70	70-130		
	DALAPON	8.2	13	ug/L	515.1	63	70-130		
	DICAMBA	0.84	1	ug/L	515.1	<b>84</b> ·	70-130		
	DICHLORPROP	2.8	3	ug/L	515.1	93	70-130		
	DINOSEB	1.8	2.	ug/L	515.1	90	70-130		
	PENTACHLOROPHENOL	0.87	1	ug/L	515.1	87	70-130		
	PICLORAM	0.9	1	ug/L	515.1	90	70-130		
	TO FAL (DCPA & Metabolites)	1.2	1	ug/L	515.1	120	70-130		
525_080221	1,3-DIMETHYL-2-NITROBENZENE (Surr)	101		%	525.2		70-130	LFB	
	4,4-DDD	1.21	1	ug/L	525.2	121	70-130		
	4,4-DDE	1.17	1	ug/L	525.2	117	70-130		
	4,4-DDT	1.17	1	ug/L	525.2	117	70-130		
	ACENAPHTHYLENE	1.05	1	ug/L	525.2	105	70-130		
	ALACHLOR	2.24	2	ug/L	525.2	112	70-130		
	ALDRIN	0.94	1	ug/L	525.2	94	70-130		
	ANTHRACENE	0.87	1	ug/L	525.2	87	70-130		
	ATRAZINE	2.41	2	ug/L	525.2	121	70-130		
	BENZ(A)ANTHRACENE	1.11	1	ug/L	525.2	1 <b>11</b>	70-130		
	BENZO(A)PYRENE	0.98	1	ug/L	525.2	98	70-130		
	BENZO(B)FLUORANTHENE	1.16	1	ug/L	525.2	116	70-130		
	BENZO(G,H,I)PERYLENE	0.76	1	ug/L	525. <b>2</b>	76	70-130		
	BENZO(K)FLUORANTHENE	1.18	1	ug/L	525. <b>2</b>	118	70-130		
	BENZU(K)FLUUKAN I HENE	1.18	•	ug/L	529.2	110	10-130		

Notation:

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

NA = Indicates % Recovery could not be calculated.

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Page 2 of 12



## 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	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	<b>525.2</b>	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	սց/Լ	525.2	120	70-130		
	DI(ETHYLHEXYL)-PHTHALATE	2.58	1	ug/L	525.2	258	70-130	B1	
	DIAZINON	3.57	3	ug/L	525.2	119	70-130		
	DIBENZO(A,H)ANTHRACENE	0.82	1	ug/L	525.2	82	70-130		
	DIELDRIN	1.09	1	ug/L	525.2	109	70-130		
	DIETHYL PHTHALATE	1.02	1	ug/L	525.2	102	70-130		
	DIMETHYL PHTHALATE	1.12	1	ug/L	525.2	112	70-130		
	DI-N-BUTYL PHTHALATE	1.17	1	ug/L	525.2	117	70-130	·	
	ENDRIN	1.24	1	ug/L	<del>5</del> 25.2	124	70-130		
	EPTC	1.09	1	ug/L	525.2	109	70-130		
	FLUORENE	1.13	1	ug/L	525.2	113	70-130		
	HEPTACHLOR	1.2	1	ug/L	525.2	120	70-130		
	HEPTACHLOR EPOXIDE	1.11	1	ug/L	525.2	111	70-130		
	HEXACHLOROBENZENE	1.09	1	ug/L	525.2	109	70-130		
	HEXACHLOROCYCLO-PENTADIENE	1.14	1	ug/L	525.2	114	70-130		
	INDENO(1,2,3-CD)PYRENE	0.82	1	ug/L	525.2	82	70-130		
	LINDANE (BHC - GAMMA)	1.13	1	ug/L	525.2	113	70-130		
	MALATHION	3.23	З	ug/L	525.2	108	70-130		
	METHOXYCHLOR	1.3	1	ug/L	525.2	130	70-13 <b>0</b>		
	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	I	
	PHENANTHRENE	1.04	1	ug/L	525.2	104	70-130	I	
	PROPACHLOR	1.18	1	ug/L	525.2	118	70-130	ł –	
	PYRENE	1.09	1	ug/L	525.2	109	70-130	)	
	PYRENE-D10 (Surr)	102		%	525.2		70-130	I	
	SIMAZINE	1.15	1	ug/L	525.2	115	70-130	•	
	TERBACIL	1.28	1	ug/L	525.2	128	70-130	•	
	TRIFLURALIN	1.24	1	ug/L	525.2	124	70-130		

\*Notation:

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NA = Indicates % Recovery could not be calculated.

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

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

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Page 3 of 12



#### 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	Qualifier Type*	Comment
525_080221	TRIPHENYLPHOSPHATE (Surr)	107		%	525.2		70-130	LFB	
525X_080221	HEXAZINONE (Velpar)	1.2	1	ug/L	525.2	120	70-130	LFB	
			•						
531_080225	3-HYDROXYCARBOFURAN	10.2	10	ug/L	531.2	102	70-130	LFB	
	ALDICARB	9.1	10	ug/L	531.2	91	70-130		
	ALDICARB SULFONE	10.2	10	ug/L	531.2	102	70-130		
	ALDICARB SULFOXIDE	8.9	10	ug/L	531.2	89	70-130		
	CARBARYL	10	10	ug/L	531.2	100	70-130		
	CARBOFURAN	9.8	10	ug/L	531.2	98	70-130		
	METHIOCARB	9.2	10	ug/L	531.2	92	70-130		
	METHOMYL	10.1	10	ug/L	531.2	101	70-130		
	OXYMAL	10.8	10	ug/L	531.2	108	70-130		
	PROPOXUR (BAYGON)	10	10	ug/L	531.2	100	70-130		
531_080225	3-HYDROXYCARBOFURAN	4.4	5	ug/L	531.2	88	70-130	LFB	
	ALDICARB	4.6	5	ug/L	531.2	92	70-130		
	ALDICARB SULFONE	4.5	5	ug/L	531.2	90	70-130		
	ALDICARB SULFOXIDE	4.1	5	ug/L	531.2	82	70-130		
	CARBARYL	5.1	5	ug/L	531.2	102	70-130		
	CARBOFURAN	4.4	5	ug/L	531.2	88	70-130		
	METHIOCARB	4.5	5	ug/L	531.2	90	70-130		
	METHOMYL	4.9	5	ug/L	531.2	98	70-130		
	OXYMAL	5	5	ug/L	531.2	100	70-130		
	PROPOXUR (BAYGON)	4.5	5	ug/L	531.2	90	70-130		
549P_080220	PARAQUAT	<b>22.1</b> 1	20	u <b>g/l.</b>	549.2	111	70-130	LFB	
COD_080215	CHEMICAL OXYGEN DEMAND	50	50	mg/L	SM5220 D	100	80-120	LFB	
OPHOS-080214A	ORTHO-PHOSPHATE	1.02	1.00	mg/L	SM4500-P F	102	70-130	LFB	
			·						

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Page 4 of 12



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

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

	Analyte		True		%			QC			
Batch		Result	Value	Units	Method	Recovery	Limits	Qualif	ier 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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<sup>%</sup> Recovery = (Result of Analysis)/(True Value) \* 100

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Page 5 of 12



### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

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

			True			%	QQ	;	
Batch	Analyte	Result	Value	Units	Method	Recovery Limit		alifier Type*	Comment
200.7-080218A	HARDNESS	ND		mg/L	200.7	10.0	)00C	LRB	
COD_080215	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D	4.00	000	LRB	
D080303A	BROMATE	ND		mg/L	300.1	0.00	500	LRB	
D080306A	BROMATE	ND		mg/L	300.1	0.00	500	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND	•	uS/cm	SM2510 B	2.00	000	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.00	000	LRB	
EC_080215	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.00	000	LRB	
EC_080215		ND		uS/cm	SM2510 B	2.00	000	LRB	
1080214A	CHLORIDE NITRATE-N	ND ND		mg/L mg/L	300.0 300.0	0.10 0.10		LRB	
1080215	CHLORIDE NITRATE-N	ND ND		mg/L mg/L	300.0 300.0		1000 1000	LRB	
OPHOS-080214A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0.10	0000	LŖB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	10.0	0000C	LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	10.0	0000C	LRB	
TDS_080218	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	10.0	00000	LRB	
TURB_080214	TURBIDITY	ND		NTU	180.1	0.0	2000	LRB	

Notation:

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Page 6 of 12



#### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

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

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Batch	Analyte	Result	Value	Units	Method	Recovery Limits	Qualifier Type*	Comment	
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Page 7 of 12



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

#### Method Blank

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

	•		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		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)	100		%	508.1		0.00000	)	
515_080226	2,4 - D	ND		ug/L	515.1		0.05000	) <b>MB</b>	
	2,4 - DCAA (SURR)	103		%	515.1				·
	2,4 DB	ND		ug/L	515.1		0.25000		
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.10000		
	2,4,5 T	ND		ug/L	515.1		0.10000		
	ACIFLUORFEN	ND		ug/L	515.1		0.50000		
	BENTAZON	ND		ug/L	515.1		0.12000		
	CHLORAMBEN	ND		ug/L	515.1		0.2000		
	DALAPON	ND		ug/L	515.1	,	0.5000		
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.1000		
	DICAMBA	ND		ug/L	515.1		0.0500	D	
	DICHLORPROP	ND		ug/L	515.1		0.1200	D	
	DINOSEB	ND		ug/L	515.1		0.1000	0	
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.0200	D	
	PICLORAM	ND		. ug/L	51 <b>5</b> .1		0.0500	0	
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.0200	0	
525_080221	1,3-DIMETHYL-2-NITROBENZENE (Surr)	93		%	525.2			MB	
	4,4-DDD	ND		ug/L	525.2		0.0500	0	
	4.4-DDE	ND		ug/L	525.2		0.0500		
	4,4-DDT	ND		ug/L	525.2		0.0500	0	
	ACENAPHTHENE	ND		ug/L	525.2		0.0500	0	
	ALACHLOR	ND		ug/L	525.2		0.0200	0	

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Page 8 of 12



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

#### Method Blank

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

Batch         Analysin         Result         Value         Units         Method         Recovery         Linkits         Qualifier Type*         Comment           B2E_D68021         ALDRIN         ND         ugL         525.2         0.05000         MB           ATR-RACENE         ND         ugL         525.2         0.02000         -				True			%	QC	
ANTHRACENE         ND         upL         525.2         0.05000           ATRAZINE         ND         upL         525.2         0.02000           BENZQIA/PYRENE         ND         upL         525.2         0.02000           BENZQIA/PYRENE         ND         upL         525.2         0.05000           BUTACHLORANTHENE         ND         upL         525.2         0.05000           CHUDRAME, TECHNICAL         ND         upL         525.2         0.05000           CHARAZNE         ND         upL         525.2         0.05000           DIETMYLHEXYL-JADIPATE         ND         upL         525.2         0.05000           DIETMYLHEXYL-JADIPATE         ND         upL         525.2         0.05000           DIETMYLHEXYL-JADIPATE         ND <td< th=""><th>Batch</th><th>Analyte</th><th>Result</th><th>Value</th><th>Units</th><th>Method</th><th><b>Recovery Limits</b></th><th>Qualifier Type*</th><th>Comment</th></td<>	Batch	Analyte	Result	Value	Units	Method	<b>Recovery Limits</b>	Qualifier Type*	Comment
ATRAZINE       ND       ug/L       525.2       0.02000         BENZQ(A)MTHRACENE       ND       ug/L       525.2       0.02000         BENZQ(B)FLUORANTHENE       ND       ug/L       525.2       0.05000         BENZQ(S)FLUORANTHENE       ND       ug/L       525.2       0.05000         BENZQ(S)FLUORANTHENE       ND       ug/L       525.2       0.05000         BENZQ(S)FLUORANTHENE       ND       ug/L       525.2       0.05000         BENZOK/FLUORANTHENE       ND       ug/L       525.2       0.05000         BENZOK/FLUORANTHENE       ND       ug/L       525.2       0.05000         BUTACHLOR       ND       ug/L       525.2       0.05000         CHUORANE, TECHNICAL       ND       ug/L       525.2       0.05000         DIETHYL, PHTHALATE       ND       ug/L       525.2       0.05000 <td< td=""><td>525_080221</td><td>ALDRIN</td><td>ND</td><td></td><td>ug/L</td><td>525.2</td><td>0.05000</td><td>) MB</td><td></td></td<>	525_080221	ALDRIN	ND		ug/L	525.2	0.05000	) MB	
BENZ(A)NTHRACENE         ND         ug/L         S25.2         0.02000           BENZOQA/PYRENE         ND         ug/L         S25.2         0.05000           BENZOLGU/LPHTHALATE         ND         ug/L         S25.2         0.05000           BUTACHLOR         ND         ug/L         S25.2         0.05000           CHARDANE, TECHNICAL         ND         ug/L         S25.2         0.05000           CHARDANE, TECHNICAL         ND         ug/L         S25.2         0.05000           DIEHTYL, HEXYL, JOIPATE         ND         ug/L         S25.2         0.05000           DIELTION         ND <tdu< td=""><td></td><td>ANTHRACENE</td><td>ND</td><td></td><td>ug/L</td><td>525.2</td><td>0.05000</td><td>3</td><td></td></tdu<>		ANTHRACENE	ND		ug/L	525.2	0.05000	3	
BENZQA/PYRENE         ND         ug/L         525.2         0.02000           BENZQA/PYRENE         ND         ug/L         525.2         0.05000           BENZQA/SULUGRANTHENE         ND         ug/L         525.2         0.05000           BENZQA/SULUGRANTHENE         ND         ug/L         525.2         0.05000           BENZA/KYLUGRANTHENE         ND         ug/L         525.2         0.65000           BENZA/KYLUGRANTHENE         ND         ug/L         525.2         0.05000           BENZA/KYLUGRANTHENE         ND         ug/L         525.2         0.05000           CHARSENE         ND         ug/L         525.2         0.05000           CHARSENE         ND         ug/L         525.2         0.05000           DIETHYL HEXYL-JAPATE         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.05000           DIELMIN         ND         ug/L         525.2         0.05000           DIELMIN         ND         ug/L		ATRAZINE	ND		ug/L	525.2	0.02000	)	
BENX2(B)FLUGRANTHENE         ND         ugl.         525.2         0.05000           BENX2(G), HJPERYLENE         ND         ugl.         525.2         0.05000           BENZ2(G), HJPERYLENE         ND         ugl.         525.2         0.05000           BENZY(B, LUGRANTHENE         ND         ugl.         525.2         0.65000           BROMACIL         ND         ugl.         525.2         0.05000           BUTACHLOR         ND         ugl.         525.2         0.05000           CHLORDANE, TECHNICAL         ND         ugl.         525.2         0.05000           CHARYSENE         ND         ugl.         525.2         0.05000           DI(ETHYLHEXYL)-ADIPATE         ND         ugl.         525.2         0.05000           DIELDRIN         ND         ugl.         525.2         0.05000           DIELDRIN         ND         ugl.         525.2         0.05000           DIN-BUTYL PHTHA		BENZ(A)ANTHRACENE	ND		ug/L	525.2	0.02000	)	
BENZQ(c)HJ)PERYLENE         ND         ug/L         525.2         0.05000           BENZQ(c)HJ,PERYLENE         ND         ug/L         525.2         0.65000           BENZQ(c)HJ,PERYLENE         ND         ug/L         525.2         0.65000           BENZQ(c)HJPERYLENE         ND         ug/L         525.2         0.65000           BROMACIL         ND         ug/L         525.2         0.05000           BUTACHLOR         ND         ug/L         525.2         0.05000           CHLORDANE, TECHNICAL         ND         ug/L         525.2         0.05000           CHANZINE         ND         ug/L         525.2         0.05000           CYANAZINE         ND         ug/L         525.2         0.05000           DIELTHYLHEXYL-PHTHALATE         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.60000           DIMENTYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMENTYL PHTHALATE         ND         ug/L         525.2         0.60000           FLUORANTHENE         ND		BENZO(A)PYRENE	ND		ug/L	525.2	0.02000	)	
BENZQK/FLUCRANTHENE         ND         ug/L         525.2         0.65000           BENZYL BUTYL PHTHALATE         ND         ug/L         525.2         0.65000           BROMACIL         ND         ug/L         525.2         0.65000           BROMACIL         ND         ug/L         525.2         0.65000           BUTACHLOR         ND         ug/L         525.2         0.65000           CHLORDANE, TECHNICAL         ND         ug/L         525.2         0.65000           DI(ETHYLHEXYL)-ADIPATE         ND         ug/L         525.2         0.65000           DI(ETHYLHEXYL)-ADIPATE         ND         ug/L         525.2         0.65000           DI(ETHYLHEXYL)-PHTHALATE         2.5         ug/L         525.2         0.65000           DI(ETHYLHEXYL)-PHTHALATE         ND         ug/L         525.2         0.65000           DIAEINON         ND         ug/L         525.2         0.65000           DIBENZQA(JAHYNTHRACENE         ND         ug/L         525.2         0.65000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.65000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.65000		BENZO(B)FLUORANTHENE	ND		ug/L	525.2	0.05000	)	
BENZYL BUTYL PHTHALATE         ND         ug/L         525.2         0.60000           BROMACIL         ND         ug/L         525.2         0.05000           BUTACHLOR         ND         ug/L         525.2         0.02000           CHLORDANE, TECHNICAL         ND         ug/L         525.2         0.02000           CHARDANE, TECHNICAL         ND         ug/L         525.2         0.05000           CHARDANE, TECHNICAL         ND         ug/L         525.2         0.05000           CHARDANE, TECHNICAL         ND         ug/L         525.2         0.02000           DIGETHYLHEXYL,PHTHALATE         2.5         0.05000         0.02000           DIGETHYLHEXYL,PHTHALATE         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.05000           DIELTHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.05000           FLUORANTHENE		BENZO(G,H,I)PERYLENE	ND		ug/L	525.2	0.05000	)	
BROMACIL         ND         ug/L         52.5.2         0.05000           BUTACHLOR         ND         ug/L         525.2         0.10000           CHLORDANE, TECHNICAL         ND         ug/L         525.2         0.05000           CHRYSENE         ND         ug/L         525.2         0.05000           CYANAZINE         ND         ug/L         525.2         0.05000           D(ETHYLHEXYL)ADIPATE         ND         ug/L         525.2         0.05000           D(ETHYLHEXYL)ADIPATE         2.5         ug/L         525.2         0.05000           D(ETHYLHEXYL)APHTHALATE         2.5         ug/L         525.2         0.05000           DIAZINON         ND         ug/L         525.2         0.05000           DIELTYL PHTHALATE         ND         ug/L         525.2         0.05000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.05000           ENDRIN         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         <		BENZO(K)FLUORANTHENE	ND		ug/L	525.2	0.05000	)	
BUTACHLOR         ND         ug/L         525.2         0.10000           CHLORDANE, TECHNICAL         ND         ug/L         525.2         0.02000           CHRYSENE         ND         ug/L         525.2         0.05000           CYANAZINE         ND         ug/L         525.2         0.02000           DI(ETHYLHEXYL)-ADIPATE         ND         ug/L         525.2         0.02000           DI(ETHYLHEXYL)-PHTHALATE         2.5         ug/L         525.2         0.05000           DIELTRIN         ND         ug/L         525.2         0.05000           DIELTRIN         ND         ug/L         525.2         0.05000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.05000           DIN-BUTYL PHTHALATE         ND         ug/L         525.2         0.02000           ENDRIN         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND		BENZYL BUTYL PHTHALATE	ND		ug/L	525.2	0.60000	)	
CHLORDANE, TECHNICAL         ND         ug/L         525.2         0.42000           CHRYSENE         ND         ug/L         525.2         0.65000           CYANAZINE         ND         ug/L         525.2         0.62000           DI(ETHYLHEXYL)-PHTHALATE         2.5         ug/L         525.2         0.6000           DI(ETHYLHEXYL)-PHTHALATE         2.5         ug/L         525.2         0.65000           DIELDRIN         ND         ug/L         525.2         0.65000           DIELTHYL PHTHALATE         ND         ug/L         525.2         0.65000           DIELDRIN         ND         ug/L         525.2         0.65000           DIELTHYL PHTHALATE         ND         ug/L         525.2         0.65000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.50000           ENDRIN         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND		BROMACIL	ND		ug/L	525.2	0.0500	)	
CHRYSENE         ND         ug/L         525.2         0.05000           CYANAZINE         ND         ug/L         525.2         0.05000           DI(ETHYLHEXYL)ADIPATE         ND         ug/L         525.2         0.60000           DI(ETHYLHEXYL)ADIPATE         2.5         ug/L         525.2         0.65000           DI(ETHYLHEXYL)ADIPATE         2.5         ug/L         525.2         0.65000           DIAZINON         ND         ug/L         525.2         0.65000           DIAZINON         ND         ug/L         525.2         0.65000           DIELDRIN         ND         ug/L         525.2         0.65000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.60000           FLUORANTHENE         ND         ug/L         525.2         0.65000           FLUORANTHENE         ND         ug/L         525.2         0.05000           HEPTACHLOR         ND         ug/L         525.2         0.05000           HEPTACHLOR         ND         ug/L		BUTACHLOR	ND		ug/L	525.2	0.1000	)	
CYANAZINE         ND         ug/L         525.2         0.05000           DI(ETHYLHEXYL)-ADIPATE         ND         ug/L         525.2         0.02000           DI(ETHYLHEXYL)-PHTHALATE         2.5         ug/L         525.2         0.05000           DIATION         ND         ug/L         525.2         0.05000           DIBENZO(A.H)ANTHRACENE         ND         ug/L         525.2         0.05000           DIELDRN         ND         ug/L         525.2         0.05000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.05000           HETACHLOR         ND         ug/L         525.2         0.05000           HEPTACHLOR         ND		CHLORDANE, TECHNICAL	ND		ug/L	525.2	0.0200	)	
DI(ETHYLHEXYL)-ADIPATE         ND         ug/L         525.2         0.2000           DI(ETHYLHEXYL)-PHTHALATE         2.5         ug/L         525.2         0.60000           DIAZINON         ND         ug/L         525.2         0.65000           DIBENZO(A, H)ANTHRACENE         ND         ug/L         525.2         0.65000           DIELDRIN         ND         ug/L         525.2         0.60000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.60000           FLUORANTHENE         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           HEXACHLOROCYCLO-PENTADIENE         ND         ug/L         525.2         0.02000           HEXACHLOROCYCLO-		CHRYSENE	ND		ug/L	525.2	0.0500	נ	
DILETHYLHEXYL,PHTHALATE         2.5         ug/L         525.2         0.60000           DIAZINON         ND         ug/L         525.2         0.05000           DIBENZO(A,HJANTHRACENE         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DINETHYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.60000           FLUORANTHENE         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR EPOXIDE         ND         ug/L         525.2         0.02000           HEXACHLOROGENZENE         ND         ug		CYANAZINE	ND		ug/L	525.2	0.0500	3	
DIAZINON         ND         ug/L         525.2         0.05000           DIBENZO(A,HJANTHRACENE         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.65000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           INDENO(1,2,3-CD)PYRENE         ND         ug/L		DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2	0.0200	0	
DIBENZO(A, H)ANTHRACENE         ND         ug/L         525.2         0.05000           DIELDRIN         ND         ug/L         525.2         0.65000           DIETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.07000           FLUORENE         ND         ug/L         525.2         0.05000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           INDANNE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           INDANE (BHC - GAMMA)         ND		DI(ETHYLHEXYL)-PHTHALATE	2.5		ug/L	525.2	0.6000	ס	
DIELDRIN       ND       ug/L       525.2       0.05000         DIETHYL PHTHALATE       ND       ug/L       525.2       0.60000         DIMETHYL PHTHALATE       ND       ug/L       525.2       0.60000         DI-N-BUTYL PHTHALATE       ND       ug/L       525.2       0.60000         ENDRIN       ND       ug/L       525.2       0.02000         EPTC       ND       ug/L       525.2       0.07000         FLUORANTHENE       ND       ug/L       525.2       0.05000         FLUORENE       ND       ug/L       525.2       0.05000         HEPTACHLOR       ND       ug/L       525.2       0.02000         HEPTACHLOR       ND       ug/L       525.2       0.02000         HEPTACHLOR EPOXIDE       ND       ug/L       525.2       0.02000         HEXACHLOROBENZENE       ND       ug/L       525.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       525.2       0.02000         INDENO(1,2,3-CDJ)PYRENE       ND       ug/L       525.2       0.02000         INDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND		DIAZINON	ND		ug/L	525.2	0.0500	5	
DIETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIMETHYL PHTHALATE         ND         ug/L         525.2         0.60000           DIN-BUTYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.02000           EPTC         ND         ug/L         525.2         0.02000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.05000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR EPOXIDE         ND         ug/L         525.2         0.02000           HEXACHLOROSENZENE         ND         ug/L         525.2         0.02000           INDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           INDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           INDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           MALATHION         ND		DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2	0.0500	0	
DIMETHYL PHTHALATE         ND         ug/L         525.2         0.80000           DIN-BUTYL PHTHALATE         ND         ug/L         525.2         0.60000           ENDRIN         ND         ug/L         525.2         0.02000           EPTC         ND         ug/L         525.2         0.07000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORANTHENE         ND         ug/L         525.2         0.05000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEXACHLOR EPOXIDE         ND         ug/L         525.2         0.02000           HEXACHLOROSENZENE         ND         ug/L         525.2         0.02000           INDENO(1,2,3-CD)PYRENE         ND         ug/L         525.2         0.02000           INDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           MALATHION         ND         ug/L         525.2         0.02000           METHOXYCHLOR         ND         ug/L         525.2         0.02000           METHOXYCHLOR         ND         ug/L <td></td> <td>DIELDRIN</td> <td>ND</td> <td></td> <td>ug/L</td> <td>525.2</td> <td>0.0500</td> <td><b>b</b></td> <td></td>		DIELDRIN	ND		ug/L	525.2	0.0500	<b>b</b>	
DI-N-BUTYL PHTHALATE       ND       ug/L       525.2       0.60000         ENDRIN       ND       ug/L       525.2       0.02000         EPTC       ND       ug/L       525.2       0.07000         FLUORANTHENE       ND       ug/L       525.2       0.05000         FLUORENE       ND       ug/L       525.2       0.02000         HEPTACHLOR       ND       ug/L       525.2       0.02000         HEPTACHLOR EPOXIDE       ND       ug/L       525.2       0.02000         HEXACHLOROBENZENE       ND       ug/L       525.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       525.2       0.02000         INDENO(1,2,3-CD)PYRENE       ND       ug/L       525.2       0.02000         INDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L <td></td> <td>DIETHYL PHTHALATE</td> <td>ND</td> <td></td> <td>ug/L</td> <td>525.2</td> <td>0.6000</td> <td>ם</td> <td></td>		DIETHYL PHTHALATE	ND		ug/L	525.2	0.6000	ם	
ENDRIN         ND         ug/L         525.2         0.02000           EPTC         ND         ug/L         525.2         0.07000           FLUORANTHENE         ND         ug/L         525.2         0.05000           FLUORENE         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR         ND         ug/L         525.2         0.02000           HEPTACHLOR EPOXIDE         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           HEXACHLOROCYCLO-PENTADIENE         ND         ug/L         525.2         0.02000           INDENO(1,2,3-CD)PYRENE         ND         ug/L         525.2         0.02000           INDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           MALATHION         ND         ug/L         525.2         0.02000           METHOXYCHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L		DIMETHYL PHTHALATE	ND		ug/L	525.2	0.6000	ם	
EPTC       ND       ug/L       525.2       0.07000         FLUORANTHENE       ND       ug/L       525.2       0.05000         FLUORENE       ND       ug/L       525.2       0.05000         HEPTACHLOR       ND       ug/L       525.2       0.02000         HEPTACHLOR EPOXIDE       ND       ug/L       525.2       0.02000         HEXACHLOROBENZENE       ND       ug/L       525.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       525.2       0.02000         INDENO(1,2,3-CD)PYRENE       ND       ug/L       525.2       0.02000         INDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L		DI-N-BUTYL PHTHALATE	ND		ug/L	525.2	0.6000	D	
FLUORANTHENE       ND       ug/L       \$25.2       0.05000         FLUORENE       ND       ug/L       \$25.2       0.05000         HEPTACHLOR       ND       ug/L       \$25.2       0.02000         HEPTACHLOR EPOXIDE       ND       ug/L       \$25.2       0.02000         HEXACHLOROBENZENE       ND       ug/L       \$25.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       \$25.2       0.02000         INDENO(1,2,3-CD)PYRENE       ND       ug/L       \$25.2       0.02000         INDANE (BHC - GAMMA)       ND       ug/L       \$25.2       0.02000         MALATHION       ND       ug/L       \$25.2       0.02000         METHOXYCHLOR       ND       ug/L       \$25.2       0.02000         METOLACHLOR       ND       ug/L       \$25.2       0.02000         METHOXYCHLOR       ND       ug/L       \$25.2       0.02000         METOLACHLOR       ND       ug/L       \$25.2       0.02000         METOLACHLOR       ND       ug/L       \$25.2       0.02000         METOLACHLOR       ND       ug/L       \$25.2       0.02000		ENDRIN	ND		ug/L	525.2			
FLUORENE       ND       ug/L       525.2       0.05000         HEPTACHLOR       ND       ug/L       525.2       0.02000         HEPTACHLOR EPOXIDE       ND       ug/L       525.2       0.02000         HEXACHLOROBENZENE       ND       ug/L       525.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       525.2       0.02000         INDENO(1,2,3-CD)PYRENE       ND       ug/L       525.2       0.02000         INDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.05000         METRIBUZIN       ND       ug/L <td></td> <td>EPTC</td> <td>ND</td> <td></td> <td>ug/L</td> <td>525.2</td> <td>0.0700</td> <td>0</td> <td></td>		EPTC	ND		ug/L	525.2	0.0700	0	
HEPTACHLOR       ND       ug/L       525.2       0.02000         HEPTACHLOR EPOXIDE       ND       ug/L       525.2       0.02000         HEXACHLOROBENZENE       ND       ug/L       525.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       525.2       0.02000         INDENO(1,2,3-CD)PYRENE       ND       ug/L       525.2       0.02000         LINDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.25000         METOLACHLOR       ND       ug/L       525.2       0.05000		FLUORANTHENE	ND	-	ug/L	525.2	0.0500	D	
HEPTACHLOR EPOXIDE         ND         ug/L         525.2         0.02000           HEXACHLOROBENZENE         ND         ug/L         525.2         0.02000           HEXACHLOROCYCLO-PENTADIENE         ND         ug/L         525.2         0.02000           INDENO(1,2,3-CD)PYRENE         ND         ug/L         525.2         0.02000           LINDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           MALATHION         ND         ug/L         525.2         0.02000           METHOXYCHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.05000		FLUORENE	ND		ug/L	525.2	0.0500	0	
HEXACHLOROBENZENE       ND       ug/L       525.2       0.02000         HEXACHLOROCYCLO-PENTADIENE       ND       ug/L       525.2       0.02000         INDENO(1,2,3-CD)PYRENE       ND       ug/L       525.2       0.05000         LINDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND       ug/L       525.2       0.02000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.02000		HEPTACHLOR	ND		ug/L	525.2	0.0200	0	
HEXACHLOROCYCLO-PENTADIENE         ND         ug/L         525.2         0.02000           INDENO(1,2,3-CD)PYRENE         ND         ug/L         525.2         0.05000           LINDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           MALATHION         ND         ug/L         525.2         0.02000           METHOXYCHLOR         ND         ug/L         525.2         0.05000           METOLACHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.05000		HEPTACHLOR EPOXIDE	ND		ug/L	525.2	0.0200	0	
INDENO(1,2,3-CD)PYRENE         ND         ug/L         525.2         0.05000           LINDANE (BHC - GAMMA)         ND         ug/L         525.2         0.02000           MALATHION         ND         ug/L         525.2         0.05000           METHOXYCHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.25000		HEXACHLOROBENZENE	ND		u <b>g/L</b>	525.2	0.0200	0	
LINDANE (BHC - GAMMA)       ND       ug/L       525.2       0.02000         MALATHION       ND       ug/L       525.2       0.05000         METHOXYCHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.02000         METOLACHLOR       ND       ug/L       525.2       0.25000         METRIBUZIN       ND       ug/L       525.2       0.05000		HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2	0.0200	0	
MALATHION         ND         ug/L         525.2         0.05000           METHOXYCHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.25000           METOLACHLOR         ND         ug/L         525.2         0.25000           METRIBUZIN         ND         ug/L         525.2         0.05000		INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2	0.0500	0	
METHOXYCHLOR         ND         ug/L         525.2         0.02000           METOLACHLOR         ND         ug/L         525.2         0.25000           METRIBUZIN         ND         ug/L         525.2         0.05000		LINDANE (BHC - GAMMA)	ND		ug/L	525.2	0.0200	0	
METOLACHLOR         ND         ug/L         525.2         0.25000           METRIBUZIN         ND         ug/L         525.2         0.05000		MALATHION	ND		u <b>g/L</b>	525.2	0.0500	0	
METRIBUZIN ND ug/L 525.2 0.05000		METHOXYCHLOR	ND		ug/L	525.2	0.0200	0	
-		METOLACHLOR	ND		ug/L	525.2	0.2500	0	
NAPTHALENE ND ug/L 525.2 0.02000		METRIBUZIN	ND		ug/L	525.2	0.0500	0	
		NAPTHALENE	ND		ug/L	525.2	0.0200	0	

\*Notation:

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

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Page 9 of 12



#### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Lin	nits	Qualifier Type*	Comment
525_080221	PARATHION	ND	,	ug/L	525.2	0.0	5000	MB	
	PENTACHLOROPHENOL	ND		ug/L	525.2	0.0	4000		-
	PERYLENE-D12 (Surr)	88		%	525.2				
	PHENANTHRENE	ND		ug/L	525.2	0.0	5000		
	PROPACHLOR	ND		ug/L	525.2	0.0	5000		
	PYRENE	ND		ug/L	525.2	0.0	5000		
	PYRENE-D10 (Surr)	99		%	525.2				
	SIMAZINE	ND		ug/L	525.2	0.0	2000		
	TERBACIL	ND		ug/L	525.2	0.0	)5000		
	TRIFLURALIN	ND		ug/L	525.2	0.0	05000		
	TRIPHENYLPHOSPHATE (Surr)	106		%	525.2				
525X_080221	HEXAZINONE (Velpar)	ND		ug/L	525.2	0.0	02000	мв	
531_080225	3-HYDROXYCARBOFURAN	ND		ug/L	531.2	0.5	50000	мв	
	ALDICARB	ND		ug/L	531.2	0.2	25000		
	ALDICARB SULFONE	ND		ug/L	531.2	0.4	40000		
	ALDICARB SULFOXIDE	ND		ug/L	531.2	0.2	25000		
	CARBARYL	ND		ug/L	531.2	0.5	50000		
	CARBOFURAN	ND		ug/L	531.2	0.4	45000		
	METHIOCARB	ND		սց/Լ	531.2	1.0	00000		
	METHOMYL	ND		ug/L	531.2	0.2	25000		
	OXYMAL	ND		ug/L	531.2	1.0	00000		
	PROPOXUR (BAYGON)	ND		ug/L	531.2	0.2	25000		
549P_080220	PARAQUAT	ND		ug/L	549.2	0.8	50000	МВ	
OPHOS-080214A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0.1	10000	MB	
WALLA_080221	AZINPHOS-METHYL	ND		ug/L	525.2	n.	00000	MB	
	CHLORPYRIFOS	ND		ug/L	525.2		00000		
	DICOFOL	ND		ug/L ug/L	525.2		00000		

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

FORM: OC Independent



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Page 10 of 12



### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

			True	-		%	QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limits	Qualifier Type*	Comment
WALLA_080221	DIMETHOATE	ND		ug/L	525.2	0.0000	) MB	
	FENARIMOL	ND		ug/L	525.2	0.00000	)	
	HEXAZINONE	ND		ug/L	525.2	0.00000	)	
	MALATHION	ND		ug/L	525.2	0.05000	)	
	METALAXYL	ND		ug/L	525.2	0.10000	)	
	METHYL PARATHION	ND		ug/L	525.2	0.00000	)	
	MEVINPHOS	ND		ug/L	52 <b>5</b> .2	0.00000	)	
	NAPROPAMIDE	ND		ug/L	52 <b>5</b> .2	0.00000	3	
	PARATHION-ETHYL	ND		ug/L	525.2	0.05000	)	
	PHOSMET	ND		ug/L	525.2	0.10000	)	
	TRIADIMEFON	ND		ug/L	525.2	0.0000	)	

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Page 11 of 12



#### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

**Quality Control Sample** 

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

			Тгие			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery		Qualifier Type*	Comment
00.7-080218A	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	
080303A	BROMATE	0.0178	0.0184	mg/L	300.1	97	75-125	QCS	
080306A	BROMATE	0.018	0.0184	mg/L	300.1	98	75-125	QCS	
C_080215		168	169	uS/cm	SM2510 B	99	80-120	QCS	
C_080215	ELECTRICAL CONDUCTIVITY	170	169	uS/cm	SM2510 B	101	80-120	QCS	
C_080215	ELECTRICAL CONDUCTIVITY	169	169	uS/cm	SM2510 B	100	80-120	QCS	
C_080215	ELECTRICAL CONDUCTIVITY	170	169	uS/cm	SM2510 B	101	80-120	QCS	
)8021 <b>4</b> A	CHLORIDE	30	30.0	mg/L	300.0	100	80-120	QCS	
	NITRATE-N	2.47	2.50	mg/L	300.0	99	80-120		
80215	CHLORIDE	31	30.0	mg/L	300.0	103	80-120	, QCS	
	NITRATE-N	2.52	2.50	mg/L	300.0	101	80-120		
PHOS-080214A	ORTHO-PHOSPHATE	0.48	0.48	mg/L	SM4500-P F	100	70-130	QCS	
DS_080218	TOTAL DISSOLVED SOLIDS	492	500	mg/L	SM2540 C	98	80-120	QCS	
DS_080218	TOTAL DISSOLVED SOLIDS	506	500	mg/L	SM2540 C	101	80-120	QCS	
DS_080218	TOTAL DISSOLVED SOLIDS	522	500	mg/L	SM2540 C	104	80-120	QCS	
URB_080214	TURBIDITY	1.05	1.00	NTU	180.1	105	70-130	o ocs	

"Notation:

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Page 12 of 12



#### 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
		 	·					

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Page 1 of 6

#### QUALITY CONTROL REPORT

Reference Number: 08-01833

#### Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Report Date: 3/10/2008

				Duplicate				QC	
Batch	Sample	Analyte	Result	Result	Units	%RPD	Limits	Qualifier	Comments
200.7-08021	8A								
	4310	HARDNESS	4.39	4.42	mg CaCO3/L	0.7	0-45	DUP	
525_080221									
-	4099	BROMACIL	0.32	0.39	ug/L	19.7	0-45	DUP	
	4099	1,3-DIMETHYL-2-NITROBENZENE (Surr	98	96	%	2.1	0-45	DUP	
	4099	PYRENE-D10 (Surr)	93	105	%	12.1	0-45	DUP	
	4099	PERYLENE-D12 (Surr)	87	98	%	11.9	0-45	DUP	
	4099	TRIPHENYLPHOSPHATE (Surr)	105	112	%	6.5	0-45	DUP	
	4101	1,3-DIMETHYL-2-NITROBENZENE (Surr	97	104	%	7.0	0-45	DUP	
	4101	PYRENE-D10 (Surr)	105	89	%	16.5	0-45	DUP	
	4101	PERYLENE-D12 (Surr)	88	83	%	5.8	0-45	DUP	
	4101	TRIPHENYLPHOSPHATE (Surr)	106	101	%	4.8	0-45	DUP	
COD_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	2074	ELECTRICAL CONDUCTIVITY	336	337	uS/cm	0.3	0-45	DUP	
			494	493	uS/cm	0.2	0-45	DUP	
		ELECTRICAL CONDUCTIVITY	586	586	uS/cm	0.0	0-45	DUP	
	4240		000	000	00.0	•••	• ••		
1080214A	4400	CHLORIDE	0.2	0.3	mg/L	40.0	0-45	DUP	
			1.21	1.22	mg/L	0.8	0-45	DUP	
		NITRATE-N CHLORIDE	30	30	mg/L	0.0	0-45	DUP	
				0.15	mg/L	6.9	0-45	DUP	
		NITRATE-N CHLORIDE	0.14 34	34	mg/L	0.0	0-45	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report



#### Duplicate

				Duplicate				QC	
Batch	Sample	Anatyte	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-0802	214A								
	4105	ORTHO-PHOSPHATE	0.31	0.31	mg/L	0.0	0-50	DUP	
PH_080214									
-	4102	HYDROGEN ION (pH)	6.67	6.60	pH Units	1.1	0-45	DUP	
	4105	HYDROGEN ION (pH)	7.64	7.62	pH Units	0.3	0-45	DUP	
TDS_080218	1								
	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_08021	14								
	4196	TURBIDITY	0.12	0.12	NTU	0.0	0-50	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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



#### Page 3 of 6 Reference Number: 08-01833 Report Date: 3/10/2008

#### **Matrix Spike**

				Spike	Spike	Spike		Percen	t Recovery				QC		
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifier	Comments	
200.7-080218	A												· · · · -		
		HARDNESS	ND	73.6	73.6	69.5	mg CaCO3/L	106	106	80-120	0.0	0-60		FM	
	4310	HARDNESS	4.39	76.8	76.5	69.5	mg CaCO3/L	104	104	80-120	0.4	0-60	I	FM	
515_080226							-			·					
010_000110	5142	2,4 - D	ND	1.8	1.7	2	ug/L	90	85	65-135	5.7	0-60	1	FM	
		2,4,5 - TP (SILVEX)	ND	0.85	0.81	1	ug/L	85	81	65-135	4.8	0-60		FM	
		PENTACHLOROPHENOL	ND	0.88	0.81	1	ug/L	88	81	65-135	8.3	0-60	1	FM ,	
	5142	DALAPON	ND	8.1	8.9	13	ug/L	62	68	65-135	9.4	0-60	1	FM	
	5142	DINOSEB	ND	1.7	1.5	2	ug/L	85	75	65-135	12.5	0-60	1	FM	
		PICLORAM	ND	0.85	0.79	1	ug/L	85	79	65-135	7.3	0-60	. 1	FM	
		DICAMBA	NĎ	0.8	0.78	1	ug/L	80	78	65-135	2.5	0-60	1	FM	
		TOTAL (DCPA & Metabolites)	ND	1.15	1.1	1	ug/L	115 .	110	65-135	4.4	0-60	1	FM	
		2,4 DB	ND	9.1	8.1	8	ug/L	114	101	65-135	11.6	0-60	1	FM	
		2,4,5 T	ND	0.87	0.5	1	ug/L	87	50	65-135	54.0	0-60	1	FM	
		BENTAZON	ND	2	1.7	2	ug/L	100	85	65-135	16.2	0-60	I	FM	
	5142	DICHLORPROP	ND	2.8	2.6	3	ug/L	93	87	65-135	7.4	0-60	1	FM	
	5142	ACIFLUORFEN	ND	0.81	0.82	1	ug/L	81	82	65-135	1.2	0-60	ł	FM	
	5142	CHLORAMBEN	ND	0.7	0.7	1	ug/L	70	70	65-135	0.0	0-50		.FM	
	5142	2,4 - DCAA (SURR)	107	103	98		%			70-130	NA	0-60		.FM	
525_080221															
010_000111	4103	ENDRIN	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		FM	
	4103	LINDANE (BHC - GAMMA)	ND	0.97		1	ug/L	97	NA	70-130	NA	0-60		.FM	
	4103		ND	1.27		1	ug/L	127	NA	70-130	NA	0-60		.FM	
	4103	ALACHLOR	ND	2.07		2	ug/L	104	NA	70-130	NA	0-60		-FM	
	4103	ATRAZINÉ	ND	2.46		2	ug/L	123	NA	70-130	NA	0-60		.FM	
	4103	BENZO(A)PYRENE	ND	0		1	ug/L	0	· NA	70-130	NA	0-60	ME	.FM	
	4103		ND	0.94		1	ug/L	94	NA	70-130	NA	0-60		FM	
	4103	DI(ETHYLHEXYL)-ADIPATE	ND	1.16		1	ug/L	116	NA	70-130	NA	0-60		FM	
	4103	DI(ETHYLHEXYL)-PHTHALATE	ND	1.37		1	ug/L	137	NA	70-130	NA	0-60	B3	FM Sample 0.3 ug/L	
	4103	HEPTACHLOR	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		FM	
	4103	HEPTACHLOR EPOXIDE	ND	0.94		1	ug/L	94	NA	70-130	NA	0-50		LFM	
	4103	HEXACHLOROBENZENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	4103	HEXACHLOROCYCLO-PENTADIENE	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	4103	SIMAZINE	ND	1.19		1	ug/L	119	NA.	70-130	NA	0-60		LFM	
	4103	PENTACHLOROPHENOL	ND	4.03		4	ug/L	101	NA	70-130	NA	0-50		LFM	
	4103	ALDRIN	ND	0.91		1	ug/L	91	NA	70-130	NA	0-60		LFM	

Duplicate

%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.



#### Matrix Spike

				Spike	Spike	Spike		Percen	t Recovery				QC		
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifie	ir .	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	ND	1,11		1	ug/L	111	NA	70-130	NA	0-60		LFM	
	4103	METRIBUZIN	ND	1.05		1	ug/L	105	NA	70-130	NA	0-60		LFM	
	4103	PROPACHLOR	ND	1.22		1	ug/L	122	NA	70-130	NA	0-60		LFM	
	4103	BROMACIL	ND	1.2		1	ug/L	120	NA	70-130	NA	0-60		L,FM	
	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	DIAZINÓN	ND	1.88		3	ug/L	63	NA	70-130	NA	0-60	QA	LFM	
	4103	4,4-DDD	ND	1.04		1.	ug/L	104	NA	70-130	NA	0-60		LFM	
	4103	4,4-DDE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	4103	LINDANE (BHC - GAMMA)	ND	0.97		1	ug/L	97	NA	70-130	NA	0-60		LFM	
	4103	4,4-DDT	ND	1.09		1	ug/L	109	NA -	70-130	NA	0-60		LFM	
	4103	CYANAZINE	ND	0.9	·	1	ug/L	90	NA	70-130	NA	0-60		LFM	
	4103	MALATHION	ND	2.93		3	ug/L	98	NA	70-130	NA	0-60		LFM	
	4103	PARATHION	ND	3.76		3	ug/L	125	NA	70-130	NA	0-60		LFM	
	4103	TRIFLURALIN	ND	1.18		1	ug/L	118	NA	70-130	NA	0-60		LFM	
	4103	4,4-DDD	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM	
	4103	4,4-DDE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	4103	4,4-DDT	ND	1.09		1	ug/L	109	NA	70-130	NA	0-60		LFM	
	4103	MALATHION	ND	2.93		3	ug/L	98	NA	70-130	NA	0-60		LFM	
	4103	PARATHION-ETHYL	ND	3.76		3	ug/L	125	NA	70-130	NA	0-60		LFM	
	4103	FLUORENE	ND	1.19		1	ug/L	119	NA	70-130	NA	0-60		LFM	
	4103	ACENAPHTHYLENE	ND	0.78		1	ug/L	78	NA	70-130	NA	0-60		LFM	
	4103	ANTHRACENE	ND	0		1	ug/L	0	NA	70-130	NA	0-60		LFM	
	4103	BENZ(A)ANTHRACENE	ND	0.1		1	ug/L	10	NA	70-130	NA	0-60	ME	LFM	
	4103	BENZO(B)FLUORANTHENE	ND	1.18		1	ug/L	118	NA	70-130	NA	0-60		LFM	
	4103	BENZO(K)FLUORANTHENE	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM	
	4103	CHRYSENE	ND	0.99		1	ug/L	99	NA	70-130	NA	0-60		LFM	
	4103	DIBENZO(A,H)ANTHRACENE	ND	0.94		1	ug/L	94	NA	70-130	NA	0-60		LFM	
	4103	INDENO(1,2,3-CD)PYRENE	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM	
	4103	PHENANTHRENE	NÐ	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	

Duplicate

%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.



#### **Matrix Spike**

				Spike	Spike	Spike		Percer	t Recovery				QC		
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD '	Limits	%RPD	Limits	Qualifier		Comments
	4103	DI-N-BUTYL PHTHALATE	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	4103	DIETHYL PHTHALATE	ND	1.2		1	ug/L	120	NA	70-130	NA	0-60		LFM	
	4103	DIMETHYL PHTHALATE	ND	1,14		1	ug/L	114	NA	70-130	NA	0-60		LFM	
	4103	1,3-DIMETHYL-2-NITROBENZENE (Surr	99	100			%		NA	70-130	NA	0-60		LFM	
	4103	PYRENE-D10 (Surr)	95	77			%		NA	70-130	NA	0-60		LFM	
	4103	PERYLENE-D12 (Surr)	90	82			%		NA	70-130	NA	0-60		LFM	
	4103	TRIPHENYLPHOSPHATE (Surr)	103	105			%		NA	70-130	NA	0-60		LFM	
525X_080221															
••••• <u>•</u> ••••	4103	HEXAZINONE	ND	1.23		1	ug/L	123	NA	70-130	NA	0-50		LFM	
	4103	HEXAZINONE (Velpar)	ND	1.23		1	ug/L	123	NA	70-130	NA	0-60		LFM	
531_080225															
001_000110	4102	OXYMAL	ND	9.3	10.8	10	ug/L	93	108	70-130	14.9	0-50		LFM	
	-	CARBOFURAN	ND	8.5	9.7	10	ug/L	85	97	70-130	13.2	0-50		LFM	
			ND	7.5	8.5	10	ug/L	75	85	70-130	12.5	0-50		LFM	
		ALDICARB SULFONE	ND	8.4	9.4	10	ug/L	84	94	70-130	11.2	0-50		LFM	
		METHOMYL	ND	9.2	10.8	10	ug/L	92	108	70-130	16.0	0-50		LFM	
		3-HYDROXYCARBOFURAN	ND	9.3	10.6	10	ug/L	93	106	70-130	13.1	0-50		LFM	
		ALDICARB	ND	8.8	9.9	10	ug/L	88	99	70-130	11.8	0-50		LFM	
		CARBARYL	ND	9,1	10.6	10	ug/L	91	106	70-130	15.2	0-50		LFM	
		PROPOXUR (BAYGON)	ND	8.7	10	10	ug/L	87	100	70-130	13.9	0-50		LFM	
		METHIOCARB	ND	8.4	9.8	10	ug/L	84	98	70-130	15.4	0-50		LFM	
	4638	OXYMAL	ND	9.8		10	ug/L	98	NA	70-130	NA	0-50		LFM	
		CARBOFURAN	ND	8.9		10	ug/L	89	NA	70-130	NA	0-50		LFM	
	4638	ALDICARB SULFOXIDE	ND	7.8		10	ug/L	78	NA	70-130	NA	0-50		LFM	
	4638	ALDICARB SULFONE	ND	8.5		10	ug/L	85	NA	70-130	NA	0-50		LFM	
	4638	METHOMYL	ND	10		10	ug/L	100	NA	70-130	NA	0-50		LFM	
	4638	3-HYDROXYCARBOFURAN	ND	10		10	ug/L	100	NA	70-130	NA	0-50		LFM	
	4638	ALDICARB	ND	9.2		10	ug/L	92	NA	70-130	NA	0-50		LFM	
	4638	CARBARYL	ND	9.3		10	ug/L	93	NA	70-130	NA	0-50		LFM	
		PROPOXUR (BAYGON)	ND	9.2		10	ug/L	92	NA	70-130	NA	0-50		LFM	
	4638	METHIOCARB	ND	8.4		10	ug/L	84	NA	70-130	NA	0-50		LFM	
549P_080220															
049F_000440		PARAQUAT		0.4		2	ug/L	20	NA	70-130	NA	0-50	ME	LFM	
COD_080215															
COD_000215	4099	CHEMICAL OXYGEN DEMAND	7	55	56	50	mg/L	96	98	80-120	2.1	0-60		LFM	
	4099		17	65	66	50	mg/L	96	98	80-120	2.1	0-60		LFM	
	-,03						-								

Duplicate

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report



#### **Matrix Spike**

	-			Spike	Spike	Spike		Percen	t Recovery				QC .		-	
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifier		Comments	 
D080303A																
	3662	BROMATE	ND	0.010		0.010	mg/L	100	NA	75-125	NA	0-60		LFM		
	4638	BROMATE	ND	0.010		0.010	mg/L	100	NA	75-125	NA	0-60		LFM		
D080306A								400		75-125	NA	0-60		LFM		
	4196	BROMATE	ND	0.010		0.010	mg/L	100	NA	10-120		0-00				
1080214A								404		80-120	NA	0-60		LFM		
	4196	NITRATE-N	. ND	1.01		1.00	mg/L	101	NA		NA			LFM		
	4196	CHLORIDE	0.2	1.3		1.00	mg/L	110	NA	80-120		0-60		LFM		
	4209	NITRATE-N	1.21	2.21		1.00	mg/L	100	NA	80-120	NA	0-60				
	4246	NITRATE-N	· 0.14	1.14		1.00	mg/L	100	NA	80-120	NA	0-60		LFM		
1080215																
	4196	NITRATE-N	ND	1.06		1.00	mg/L	106	NA	80-120	NA	0-60		LFM		
	4196	CHLORIDE	0.3	1.4		1.00	mg/L	110	NA	80-120	NA	0-60		LFM		
	4249	NITRATE-N	ND	1.38		1.00	mg/L	138	NA	80-120	NA	0-60	м	LFM	Chlorinated	
	4249	CHLORIDE	19.3	20.6		1.00	mg/L	130	NA	80-120	NA	0-60	S	LFM		
OPHOS-0802	214A		*													
		ORTHO-PHOSPHATE	0.31	1.33	1.32	1.00	mg/L	102	101	70-130	1.0	0-50		LFM		
WALLA_080	221									70.400	NA	0-50		LFM		
	4103	DIMETHOATE	ND	1.5		2	ug/L	75	NA	70-130				LFM		
	4103	NAPROPAMIDE	ND	1		1	ug/L	100	NA	70-130	NA	0-50		LFM		
	4103	FENARIMOL	ND	1.3		1	ug/L	130	NA	70-130	NA	0-50				
	4103	MEVINPHOS	ND	4.5		3	ug/L	150	NA	70-130	NA	0-50	HQ	LFM		
	4103	AZINPHOS-METHYL	ND	2.75		2	ug/L	138	NA	70-130	NA	0-50	HQ	LFM		
	4103	CHLORPYRIFOS	ND	3		3	ug/L	100	NA	70-130	NA	0-50		LFM		
		METHYL PARATHION	ND	2.3		2	ug/L	115	NA	70-130	NA	0-50		LFM		
		TRIADIMEFON	ND	1.1		1	ug/L	110	NA	70-130	NA	0-50		LFM		

Duplicate

%RPD = Relative Percent Difference

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Page 1 of 1

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# **Qualifier Definitions**

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

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

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



Page 1 of 2

### QUALITY CONTROL REPORT SURROGATE REPORT

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

Lab No	Analyte	Result Qualifier	Units	Method	Limit
08 080221					Accepted to Limite 70% 130%
4099	TETRACHLORO-M-XYLENE (SURR)	101	%	508.1	Acceptance Limits 70%-130%
25 080221					
4099	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98	%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	93	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	87	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Sum)	105	%		Acceptance Range is 70% to 130%
15 080226					
4099	2,4 - DCAA (SURR)	99	%	515.1	Acceptance Range is 70 - 130%
08 080221					· · · · · · · · · · · · · · · · · · ·
4100	TETRACHLORO-M-XYLENE (SURR)	96	%	508.1	Acceptance Limits 70%-130%
25_080221				F05 0	Acceptance Range is 70% to 130%
4100	1.3-DIMETHYL-2-NITROBENZENE (Surr)	104	%	525.2	
	PYRENE-D10 (Surr)	82	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	86	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	104	%		Acceptance Range is 70% to 130%
15 080226					
4100	2,4 - DCAA (SURR)	103	%	515. <b>1</b>	Acceptance Range is 70 - 130%
08080221					
4101	TETRACHLORO-M-XYLENE (SURR)	97	%	508.1	Acceptance Limits 70%-130%
25_080221				505 <b>A</b>	Acceptance Range is 70% to 130%
4101	1,3-DIMETHYL-2-NITROBENZENE (Surr)	97	%	525.2	
	PYRENE-D10 (Surr)	105	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	88	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	106	%		Acceptance Range is 70% to 130%
15_080226					
4101	2,4 - DCAA (SURR)	94	%	515.1	Acceptance Range is 70 - 130%
25_080221		99	%	525.2	Acceptance Range is 70% to 130%
4102	1,3-DIMETHYL-2-NITROBENZENE (Surr)		%	020,2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	97			Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	93	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	105	%		Acceptance Range is room to room
15_080226			-	545.4	Acceptance Range is 70 - 130%
4102	2,4 - DCAA (SURR)	108	%	515.1	Acceptance Range is 70 * 150 %
25_080221					
4103	1 3-DIMETHYL-2-NITROBENZENE (Surr)	99	%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	95	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	90	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	103	%		Acceptance Range is 70% to 1309
15 080226			-		
4103	2,4 - DCAA (SURR)	110	%	515.1	Acceptance Range is 70 - 130%
25 080221					
	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98	%	525.2	Acceptance Range is 70% to 130%
4104		97	%	•	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	91	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	31	70		
	TRIPHENYLPHOSPHATE (Surr)	104	%		Acceptance Range is 70% to 130%

515\_080226

\*Notation:

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

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



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### QUALITY CONTROL REPORT SURROGATE REPORT

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

Lab No	Analyte	Result Qualifier	Units	Method	Limit
4104	2,4 - DCAA (SURR)	101	%	515.1	Acceptance Range is 70 - 130%
i25_080221 4105	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	94 105 95 102	% % %	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%
15_080226 4105	2,4 - DCAA (SURR)	102	° %	515.1	Acceptance Range is 70 - 130%

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\*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.

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	we st: OR Zip: 97862 170 FAX: @wwwbwc.org	City: Milto Phone: P.O.#:	n-Freewa	- 10 g ( )	R Zip: 97 Expires	7862 1	Clea	e Drinkir an Wate RA / CE	ng Wate er Act		E 80:	<b>A B O R AT O R I E S</b> 1620 S. Walnut St. Burlington, WA 98233 <u>1.800.755.9295</u> 5 W. Orchard Dr. Suite 4 Bellingham, WA 98225
r <u>uctions</u> lse one line per san	is requests. to be performed for on.	Around Time Standar Half-time (S Quickest (10 Emergency ( Grab/ Comp. Matrix	)% surch )0% surc Phone Ca	arge) harge) Il Req.)	Nitrats TDS, Cl, 0- Phos. PH, Tuch	Analy	yses Re	quest 7+~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Sis (Heravinelle Soc Phy 515, 53	549 Paraguat		5 Special Instructions Conditions on Receipt
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Sample Receipt Request (Must include FAX or Email)

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[4] A. M.	and a state of the second s					Samples received intact		<u> </u>	
	and the second sec					Chain of custody & labels agree			

UPS



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

Page 1 of 2

#### Data Report

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

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

Collected By:

Date Received: 4/10/2008 Peer Review:

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analysi	Batch	Commen
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	4/23/2008	MVP	D080423A	
E-11778	HARDNESS	50.2	3.30	0.055	mg CaC(	1.D	200.7	4/14/2008	BJ	200.7-060414A	
14797-55-8	NITRATE-N	1.16	0.100	0.015	mg/L	1.Đ	300.0	4/10/2008	BJ	1080410A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/15/2008	MAK	COD_040415	
E-10173	TOTAL DISSOLVED SOLIDS	77	10		mg/L	1.0	SM2540 C	4/11/2006	CCN	TD5_069411	
16887-00-6	CHLORIDE	2.5	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	ej	1080410A	
14265-44-2	ORTHO-PHOSPHATE	0.22	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	80	OPHO6-000410	
E-10139	HYDROGEN ION (pH)	6.51			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_000410	
E-10817	TURBIDITY	1.98	0.05	0.02	NTU	1.0	18D.1	4/10/2008	MAK	TUR8_080410	
E-10184	ELECTRICAL CONDUCTIVITY	164	10		ปS/cm	1.0	SM2510 B	4/10/2008	CON	ec_080410	

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Anelyzed	Analys	st Balch `	Commen
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	4/23/2008	MVP	D060423A	
E-11778	HARDNESS	61.9	3.30	0.055	mg CaC(	1.0	200.7	4/14/2008	BJ	200,7-050414A	
14797-55-8	NITRATE-N	0.8	0.100	0.015	mg/L	1.Q	300.0	4/10/2008	6.)	1080410A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/15/2008	MAK	COD_089415	
E-10173	TOTAL DISSOLVED SOLIDS	131	10		mg/L	1.0	SM2540 C	4/11/2005	CCN	TD5_080411	
16887-00-6	CHLORIDE	2.1	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	₿J	1080410A	
14265-44-2	ORTHO-PHOSPHATE	0.26	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	80	OPHO5-080410	
E-10139	HYDROGEN ION (pH)	6.44			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_000410	
<b>E-10617</b>	TURBIDITY	11.5	0.05	0.02	NTU	1.0	180.1	4/10/2008	MAK	TURB_650410	
E-10184	ELECTRICAL CONDUCTIVITY	182	10		uS/cm	1.0	SM2510 B	4/10/2008	CCN	ec_080410	

Lab Num	iber: 10000 Sar	mple Descripti	on: HW-3	- Hall-Wen	tland Obs			Sample	Date:	4/8/2008	
CAS ID#	Analyte	Result	PQL	MÐL	Units	DF	Method	Analyzed	Analyst	Betch	Comments
15541-45-4	BROMATE	NÐ	0.005	0.0016	mg/L	1.0	300.1	4/23/2008	NWP .	DØ60423A	· · · · · · · · · · · · · · · · · · ·
E-10139	HYDROGEN ION (pH)	6.50			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PS4_060410	
E-10184	ELECTRICAL CONDUCTIVITY	157	10		uS/cm	1.0	SM2510 B	4/10/2006	CCN	ec_080410	
E-10617	TURBIDITY	0.43	0.05	0.02	NTU	1.0	180.1	4/10/2009	MAK	TURB_060416	
14797-55-8	NITRATE-N	1.12	0.100	0.015	mg/L	1.0	300.0	4/10/2008	B.J	1080410A	
16887-00-6	CHLORIDE	2.1	0.1	0.0143	mg/L	t.0	300.0	4/10/2008	BJ	1069419A	
E-10173	TOTAL DISSOLVED SOLIDS	112	10		mg/L	1.0	SM2540 C	4/11/2008	CCN	TDS_080411	

PQL = Practical Quantitation Limit is the lowest lavel 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



Page 2 of 2 Reference Number: 08-04630 Report Date: 4/30/2008

# Data Report

Collected By	:						Date F	Received:	4/10/2	008	
14265-44-2	ORTHO-PHOSPHATE	0.21	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	50	OPHO8-088410	
E-11778	HARDNESS	64.4	3.30	0.055	mg CaCt	1.0	200.7	4/14/2008	BJ	200.7-000114A	
E-101 17	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1.0	SM5220 D	4/15/2008	MAK	COD_080415	
Lab Num	ber: 10001 Sam	ple Descriptio	on: HW-Si	F - Hall-We	entiand SF			Sample	Date:	4/8/2008	<u> </u>
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analy	st Batch	Comments
15541-45-4	BROMATE	ND	0.005	0.0016	mg/L	1.0	300.1	4/25/2008	MVP	D088425A	
E-10139	HYDROGEN ION (pH)	7.74			pH Units	1.0	SM4500-H+ B	4/10/2008	MAK	PH_086410	
E-10184	ELECTRICAL CONDUCTIVITY	115	10		uS/cm	1.0	SM2510 8	4/10/2008	CCN	ec_060410	
E-10617	TURBIDITY	9.90	0.05	0.02	NTU	1.0	1 <b>80</b> .1	4/10/2008	MAK	TURE_050410	
14797-55-8	NITRATE-N	0.38	0.100	0.015	mg/L	6.Q	300.0	4/10/2008	BJ	1060410A	
16887-00-6	CHLORIDE	1.5	0.1	0.0143	mg/L	1.0	300.0	4/10/2008	BJ	1080410A	
E-10173	TOTAL DISSOLVED SOLIDS	85	10		mg/L	1.0	SM2540 C	4/11/2005	CCN	TD6_068411	
14265-44-2	ORTHO-PHOSPHATE	Ð.18	0.01	0.005	mg/L	1.0	SM4500-P F	4/10/2008	80	OPHO5-080410	
E-11778	HARDNESS	39.3	3.30	0.055	mg CaC(	1.0	200.7	4/14/2008	₽J	200.7-050414A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0		mg/L	1,0	SM5220 D	4/15/2008	MAK	COD_089415	

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 D.F. - Dilution Factor

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Page 1 of 1

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## HERBICIDES IN DRINKING WATER

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

Reference Number: 08-04630

	Field ID:	Hall-Wentland Obs ≱				Da Extr	Report Date: te Analyzed:	4/30/2008 515_080415 CO MVA
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	PENTACHLOROPHENC	L	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	
<b>1918-02-</b> 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							. •
<b>1861-32-</b> 1	TOTAL (DCPA & Melabo	lites)	ND	ug/L	0.1	0.089		••
E-14-02-8	DCPA (ACID METABOLI	TES)	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 <sup>:</sup> 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 - DICHLOROBENZO	CACID	ND	ug/L	0.1	0.044		

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

MCL-Maximum Containing Level, maximum permissible level of a contaminant in weiter 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 ensigned during the initial celebration. MDL - Methad Detoction Limit is the lab's minimum concentration a compound can be measured and reported with 98% confidence that the compound concentration is greater than zero. J - Estimated value



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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: 08-04630

	Field ID:	Hall-Wentland Obs				i Da Extr	Report Date: ite Analyzed:	4/30/2008 515_080415 CO MVA
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	
<b>87-86-</b> 5	PENTACHLOROPHENC	)L	ND	ug/L	0.1	0.044	1	
7 <b>5-99-</b> 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	<b>0.</b> 1	0.089	500	
	EPA Unregulated	,						
1918-00-9	DICAMBA		ND	ug/L	0.1	0.045		
	State Unregulated	l						•
<b>1861-32-</b> 1	TOTAL (DCPA & Metabo	Hites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLI	ITES)	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 <sup>†</sup> T		ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON		ND	ugVL	0.2	0.067		
120-36-5	DICHLORPROP		ND	ug/L	0.3	<b>980.0</b>		
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 - DICHLOROBENZO	IC ACID	ND	ug/L	0.1	0.044		

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ND \* Not detacled above the fisted practical quantitation limit (PQL) or net above the Method Detection Limit (NDL), I requested,

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in writer established by EPA, NPDWR. 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 hillini celibration. MDL - Method Detuction Limit is the tab's minimum concentration a compound can be assaured and reported with 99% coefficience that the compound concentration is greater than zero. J - Esilmated value,



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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: 08-04630

	Field ID:	Hall-Wentland Obs	nd/H8DIC			F Dat Extr F	Report Date: te Analyzed:	4/30/2008 515_080415 CO MVA
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	PENTACHLOROPHENO	L	ND	ug/L	0.1	0.044	1	
75-9 <b>9-</b> 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 & Metabo	lites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLI	TES)	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 - DICHLOROBENZO	CACID	ND	ug/L	0.1	0.044		

ND - Not detected above the listed practical quantitation limit (FQL) or not above the Method Detection Limit (MOU). If requested,

MCL- Maximum Centaminant Level, maximum permissible level of a contentionent 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 - Precised Quantitation Limit is the concentration of the standard malyzed during the initial calibration. MDL - Matina Detection Limit is the labs infimum concentration a compound can be measured and reported with 9% confidence that the compound concentration to gesaler than zero. J - Estimated value



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Page 1 of 1

Reference Number: 08-04630

#### HERBICIDES IN DRINKING WATER

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

Lab Number: 04610001 Project: Locher/Hall Wentland/HBDIC Field ID: HW-SF Report Date: 5/5/2008 Date Analyzed: 4/30/2008 Sample Description: Hall-Wentland SF 2 Extraction Date: 515 080415 Sampled By: Analyst: CO Sample Date: 4/8/2008 Peer Review: MVA Source Type: Sampler Phone: Analytical Method: 515.1 **Chlorophenoxy Herbicides** COMMENT MDL MCL CAS COMPOUND RESULTS Units POL **EPA Regulated** 70 94-75-7 ND ug/L 0.2 0.11 2,4 - D ND ug/L 0.1 0.02 50 93-72-1 2,4,5 - TP (SILVEX) 0.044 1 87-86-5 PENTACHLOROPHENOL ND ug/L 0.1 0.80 200 ND 1.3 75-99-0 DALAPON uarL ND 0.2 0.16 7 88-85-7 DINOSEB ug/L 0.089 500 ND 01 1918-02-1 PICLORAM ug/L **EPA Unregulated** 1918-00-9 DICAMBA NÐ ug/L 0.1 0.045 State Unregulated 0.1 0.089 ND ug/L 1861-32-1 TOTAL (DCPA & Metaboiltes) ND 0.1 0.1 E-14-02-8 DCPA (ACID METABOLITES) ug/L 0.8 0.10 94-82-6 2,4 DB ND ug/L 0.044 ND 0.1 93-76-5 2,4,5 T ug/L 0.2 0.067 25057-89-0 BENTAZON ND ug/L 0.089 DICHLORPROP ND 0.3 120-36-5 ug/L ND 0.1 0.089 50594-66-6 ACIFLUORFEN ug/L 0.2 0.2 133-90-4 CHLORAMBEN ND ug/L 0.044 51-36-5 3,5 - DICHLOROBENZOIC ACID ND ug/L 0.1

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), Il 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. POL - Practical Quantitation Limit is the concertration of the standard analyzed during the initial calibra

MDL - Method Detection Limit is the lab's misimum concentration is greater than zero. J - Estimated value.



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Page 1 of 1

Reference Number: 08-04630

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#### CARBAMATES IN DRINKING WATER

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

Lab Number: 04609998 Project: Locher/Hall Wentland/HBDIC Report Date: 4/21/2008 Field ID: HW-1 Date Analyzed: 4/16/2008 Sample Description: Hall-Wentland Obs 1 Extraction Date: 531\_080416 Sampled By: Analyst: CO K Peer Review: NN Sample Date: 4/8/2008 Source Type: Sampler Phone: Analytical Method: 531.2 Carbarnates MDL MCL COMMENT CAS COMPOUND RESULTS Units PQL **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 0.83 1646-88-4 ALDICARB SULFONE ND ug/L 1.0 16752-77-5 METHOMYL ND ug/L 1.0 0.86 ND 1.0 16655-82-6 3-HYDROXYCARBOFURAN ug/L 1.0 NÐ 1.0 0.88 116-06-3 ALDICARB ug/L 63-25-2 ND 1.0 0.53 CARBARYL ug/L State Unregulated - Other 0.72 114-26-1 PROPOXUR (BAYGON) ND ug/L. 1.0 2032-65-7 ND 0.76 METHIOCARB ug/L 1.0

ND = Not detected above the listed practical quantitation limit (POL) or not above the Method Detection Limit (MDL), 8 requested.

nant Level, maximum persincible level of a contaminant in water establi hed by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compo MCL-Maximum Conte

A blank MCL or SAL value indicates a level is not care POL - Practical Quantitation Limit is the concentration of the sta ntly ( atabiished.

d snelyz d during the initial call

MCL - Method Detection Limit is the latis ministry concentration a compound can be measured and reported with 59% confidence that the compound concentration is greater than 2310 J - Estimated value.



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Page 1 of 1

Reference Number: 08-04630

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# CARBAMATES IN DRINKING WATER

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

	Field ID:	Hall-Wentland Obs				Da Ext	Report Date: te Analyzed:	4/16/2008 531_080416	
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	1	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			
16655-82-8	3-HYDROXYCARBOFU	RAN	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	l - Other							
114-26-1	PROPOXUR (BAYGON)	) )	ND	ug/L	1.0	0.72			
2032-65-7	NETHIOCARB		ND	ug/L	1.0	0.76			
	<u>.</u> .								

ND = Not detected above the ligited practical quantitation limit (POL) at not above the Melinod Detection Limit (MDL), if requested.

MCL- Maximum Containing Lovel, maximum permissible level of a containing in water established by EPA, NPDVWR. State Advisory Level (SAL) for Unregulated compounds. A black MCL or SAL value indicates a level is not correctly statebilished. PQL - Practical Countrication Limit is the concentration of the standard analyzed during the initial calibration. MDL - Mathematical Countrication Limit is the concentration of the standard analyzed during the initial calibration. MDL - Mathematical Countrication Limit is the concentration of the standard analyzed during the initial calibration. MDL - Mathematical Values (Limit is the lab's minimum concentration is compound can be measured and reported with 99% could dence that the compound cencentration is greater than 2550. J - Estimated value.



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Page 1 of 1

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Reference Number: 08-04630

#### CARBAMATES IN DRINKING WATER

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

Project: Locher/Hall Wentland/HBDIC Lab Number: 04610000 Field ID: HW-3 Report Date: 4/21/2008 Date Analyzed: 4/16/2008 Sample Description: Hall-Wentland Obs Extraction Date: 531\_080416 Sampled By: Analyst: CO X Peer Review: N Sample Date: 4/8/2008 Source Type: Sampler Phone: Analytical Method: 531.2 Carbamates COMMENT COMPOUND MDL MCL CAS RESULTS Units PQL **EPA Regulated** 1.0 0.81 200 ND 23135-22-0 OXYMAL ug/L ND ug/L 1.0 0.87 40 1563-66-2 CARBOFURAN **EPA Unregulated** 0.71 1646-87-3 ALDICARB SULFOXIDE ND 1.0 uo/L 1.0 0.83 1646-88-4 ALDICARB SULFONE ND uo/L ND 1.0 0.86 16752-77-5 METHOMYL ug/L 1.0 1.0 16855-82-6 3-HYDROXYCARBOFURAN ND ug/L ND 1.0 0.88 116-06-3 ALDICARB ug/L 63-25-2 ND 1.0 0.53 CARBARYL ug/L State Unregulated - Other PROPOXUR (BAYGON) ND ug/L 1.0 0.72 114-26-1 ND 1.0 0.76 2032-65-7 METHIOCARB ug/L

NO = Not delected above the finited practical quantitation limit (POL) or not above the Method Delection Limit (MOL), if requested

m Contaminant Level, maximum permissiple level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compo MCL- Maximu

MCL: MEMBER CONTINUENTER LETE, Internating periodence even to a contention and the second of A blank MCL or SAL value Indicates a level is not currently established. POL - Practical Quantization Limit is the concentration of the standard analyzed during the initial calibratic

NDL - Method Delection Limit in the lab's minim J - Estimated value. nd can be sured and reported with 95% confidence that the compound concentration is greater than zero



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Page 1 of 1

Reference Number: 08-04630

#### CARBAMATES IN DRINKING WATER

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

Project: Locher/Hall Wentland/HBDIC Lab Number: 04610001 Report Date: 4/21/2008 Field ID: HW-SF Date Analyzed: 4/16/2008 Sample Description: Hall-Wentland SF Extraction Date: 531\_080416 Sampled By: Analyst: CO K Peer Review: N Analytical Method: 581.2 Sample Date: 4/8/2008 Source Type: Sampler Phone: Carbamates COMMENT COMPOUND MDL MCL CAS RESULTS Units PQL **EPA Regulated** 1.0 0.81 200 23135-22-0 OXYMAL ND ug/L ND 1.0 0.87 40 1563-66-2 CARBOFURAN ug/L EPA Unregulated ND 1.0 0.71 1646-87-3 ALDICARB SULFOXIDE ug/L ND 1.0 0.83 1646-88-4 ALDICARB SULFONE ug/L ND 1.0 0.86 16752-77-5 METHOMYL ug/L 16655-82-6 3-HYDROXYCARBOFURAN ND 1.0 1.0 ug/L 116-06-3 ALDICARB ND 1.0 0.88 ug/L 63-25-2 CARBARYL ND ug/L 1.0 0.53 State Unregulated - Other PROPOXUR (BAYGON) ND ug/L 1.0 0.72 114-26-1 ND 2032-65-7 METHIOCARB ug/L 1.0 0.76

ND = Not detected above the insted practical quartitation limit (FOL) or not above the Method Detection Limit (MDL), if requi

MCL- Maximum Contaminant Level, maximum terminalitie level of a contaminant in water established by EPA, NPOWR, State Advisory Level (SAL) for Livergelated comp

A blank MCL or SAL value indicates a level is not currently established. PCL - Practical Countration Limit is the semantistion of the standard analyzed during the initial calif

Mint - Method Detection Limit is the lab's minin nd can b

ed and reported with \$9% confidence that the compound concentration is presser than zero J-Estimated value.



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Page 1 of 1

Reference Number: 08-04630

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## DATA REPORT

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

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	Field ID:	Hall-Wentland Obs				i Dai Extr	Report Date: te Analyzed:	4/23/2008 508_080421 GEB
 CAS	COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene							
1336-36-3	PCBS (Total Aroclors)		ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221		ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232		ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242		ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248		ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254		ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1250		ND	ug/L	<b>0.</b> 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	*

cted above the listed practicel quartitation limit (POL) or not above the Method Delection Limit (NOL), if requested. ND = Nat de

UCL- Maximum Contentitive Level, maximum permissible level of a contaminent in water established by EPA, NPDWR. Bate Advisory Level (SAL) for Lienegulated comparates. A blank MCL or SAL, value indicates a level is not currently established.
PQL - Practical Quantitudes Limit is the concentration of the damberd analyzed during the initial calibration.
NDL - Medical Detection Limit is the later maintain estimates on a comparation a compound can be assumed and reported with \$9% confidence flast the compound concentration is greater than zero. J - Estimated value.



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Page 1 of 1

# DATA REPORT

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

Reference Number: 08-04630

	Field ID:	HW-2 Hall-Wentland Obs 2	Ventland Obs 2				Lab Number: Report Date: Date Analyzed: Extraction Date: Analyst: Peer Review: Analytical Method:				
CAS	COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT			
	PCBs/Toxaphene										
133 <del>6</del> -36-3	PCBS (Total Aroclors)		ND	ug/L	0.2		0.5				
11104-28-2	AROCLOR 1221		ND	ug/L	0.1	0.1^					
11141-16-5	AROCLOR 1232		ND	ug/L	0.1	0.1^					
53469-21-9	AROCLOR 1242		ND	ug/L	0.1	0.1^					
12672-29-6	AROCLOR 1248		ND	ug/L	0.1	0.1^					
1109 <b>7-69-1</b>	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 = Net detected above the listed practical quantilitation limit (PCL) or not above the Method Detection Limit (MDL), if requested.

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ACL- Maximum Contaminant Lovel, maximum permissible level of a contaminant in water established by EPA, NPCIWR. Blate Advisory Level (BAL) for Unregulated compounds. A blank MCL or SAL value indicates a level is not currently selectioned. PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the Milal catorization. MDL - Mailed Detection Limit is the lab's minimum concentration is compound can be masured and reported with 99% confidence that the compound concentration is greater than zero. J - Eslimated value.



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Page 1 of 1

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Reference Number: 08-04630

### DATA REPORT

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

Lab Number: 04610000 Project: Locher/Hall Wentland/HBDIC Report Date: 4/25/2008 Field ID: HW-3 Date Analyzed: 4/23/2008 Sample Description: Hall-Wentland Obs 1 Extraction Date: 508\_080421 Sampled By: Sample Date: 4/8/2008 Analyst: GEB Source Type: Peer Review: Sampler Phone: Analytical Method: 508.1 Synthetic Organics MCL CAS COMPOUND RESULTS MDL COMMENT Units POL **PCBs/Toxaphene** 0.5 1336-36-3 PCBS (Total Arcciors) ND ug/L 0.2 11104-28-2 AROCLOR 1221 ND ug/L 0.1 0.1^ 11141-16-5 AROCLOR 1232 ND 0.1 0.1^ ug/L 53469-21-9 AROCLOR 1242 ND 0.1 0.1^ ug/L 0.1 0.1^ 12672-29-6 AROCLOR 1248 ND ug/L 0.1^ 11097-69-1 AROCLOR 1254 ND 0.1 սց/Լ 0.1 0.08 11096-82-5 AROCLOR 1260 ND ug/L ND 0.1 12674-11-2 AROCLOR 1016 ug/L 0.1 8001-35-2 TOXAPHENE ND υg/L 1 0.5 3

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

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

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A blank MCL or SAL value indicates a favel is not currently established. PQL - Practical Quantization Limit is the concentration of the standard analyzed during the Initial c

MDL - Method Detection Limit is the tab's minimum concentration a compound can be measured and reported with \$9% confidence that the compound concentration is greater than zero. J - Estimated value.



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Page 1 of 1

# DATA REPORT

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

Reference Number: 08-04630

Projec	t Locher/Hall Wentland	HBDIC			L	ab Number:	04610001
Field IC	: HW-SF				I	Report Date:	4/25/2008
Sample Description	: Hall-Wentland SF				Da	te Analyzed:	4/23/2008
Sampled B	с <sub>э</sub>				Extr	action Date:	508_080421
Sample Date	: 4/ <b>8/2008</b>					Analyst:	GEB
Source Type					F	eer Review:	E
Sampler Phone					Analyt	ical Method:	508.1
					-		Synthetic Organics
CAS COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT
PCBs/Toxaphen	e						
1336-36-3 PCBS (Total Arociors)	I	ND	ug/L	0.2		0.5	
11104-28-2 AROCLOR 1221	, I	ND	ug/L	0.1	0.1^		
11141-16-5 AROCLOR 1232	1	ND	ug/L	<b>0.</b> 1	0.1^		
53469-21-9 AROCLOR 1242	I	ND	ug/L	0.1	0.1^		
12672-29-6 AROCLOR 1248	I	ND	ug/L	0.1	0.1^		
11097-69-1 AROCLOR 1254	I	ND	ug/L	0.1	0.1^		
11096-82-5 AROCLOR 1260	I	ND	ug/L	<b>0.</b> 1	0.08		
12674-11-2 AROCLOR 1016	I	ND	ug/L	0.1	0.1		

ug/L

1

0.5

3

ND

ND = Not detected above the listed practical quantitation that (POL) or net above the Method Detection Limit (MOL). If requested

8001-35-2 TOXAPHENE

MCL- Maximum Contaminant Level, maximum penalasistic level of a contaminant in water established by EPA, MPDWR. State Advisory Level (SAL) for Unregulated compounds. A blank MCL or SAL value indicates a leval in not currently established. PQL - Practical Quantitation Limit is the torse aleval in not currently established bare initial calibration. MDL - Method Detection Limit is the tat'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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Page 1 of 2

Reference Number: 08-04630

#### SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Lab Number: 04609998 Project: Locher/Hall Wentland/HBDIC Field ID: HW-1 Report Date: 4/25/2008 Sample Description: Hall-Wentland Obs 1 Date Analyzed: 4/24/2008 Extraction Date: 525\_080421 Sampled By: Analyst: COok Sample Date: 4/8/2008 9 Peer Review: Source Type: Sampler Phone: Analytical Method: 525.2 Synthelic Organics CAS COMPOUND RESULTS MCL COMMENT Units MDL PQL **EPA Regulated** ND 72-20-8 ENDRIN 0.1 0.030 2 սց/Լ 58-89-9 ND 0.028 0.2 LINDANE (BHC - GAMMA) 0.1 ug/L 72-43-5 METHOXYCHLOR ND 01 0.015 40 ug/L 15972-60-8 ALACHLOR ND 0.1 0.044 2 ug/L 1912-24-9 ATRAZINE NÐ 0.1 0.030 3 ug/L 50-32-8 BENZO(A)PYRENE ND 0.1 0.012 0.2 ug/L 57-74-9 CHLORDANE, TECHNICAL ND ua/L 0.1 0.3 2 400 103-23-1 DI(ETHYLHEXYL)-ADIPATE ND uo/L 0.1 0.022 117-81-7 DI(ETHYLHEXYL)-PHTHALATE 1.8D1 ua/L 0.1 0.063 6 0.022 0.4 76-44-8 HEPTACHLOR ND 0.1 ug∧t ND 0.1 0.02 0.2 1024-57-3 HEPTACHLOR EPOXIDE ug/L 118-74-1 HEXACHLOROBENZENE ND 0.025 0.1 1 up/L 77-47-4 HEXACHLOROCYCLO-PENTADIENE ND ug/L 0.1 0.024 50 122-34-9 SIMAZINE ND 0.1 0.030 4 uo/L 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 0.1 0.024 ug/L 60-57-1 DIELDRIN ND ug/L 0.1 0.031 51218-45-2 METOLACHLOR ND 0.1 0.024 ug/L 21087-64-9 METRIBUZIN ND ug/L 0.1 0.030 1918-16-7 PROPACHLOR ND 0.1 0.031 ug/L . ... State Unregulated - Other 314-40-9 BROMACIL ND 0.1 0.031 ug/L 5902-51-2 TERBACIL ND 0.1 0.043 ug/L

10.0

NO - Not detected above the listed practical quantitation limit (POL) or not above the Mathod Detection Limit (MDL), if requ

mucro versions concentrate Level, maximum permissible level of a contention 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 - Product Currentizion Link is the concentration of the standard embyzed during the initial calibration. MCL - Mathematical bank is the labbe minimum concentration a compound can be measured and reported with 95% confidence that the compound concentration is greated then zero. J - Estimated value.



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# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

759-94-4 1 72-54-8 4 72-55-9 4 50-29-3 4	Diazinon EPTC 4,4-DDD 4,4-DDE 4,4-DDT		ND ND ND	ug/L	0.1	0.035	•	Unstable in Acidified Sample Matri
72-54-8 72-55-9 50-29-3	4,4-DDD 4,4-DDE			ug/L				
72-55-9 50-29-3	4,4-DDE		ND	• -	<b>0.</b> 1	0.028		
50-29-3	-		11.0	ug/L	0.1	0.024		
	4,4-DDT		ND	ug/L	0.1	0.024		
21725-46-2 (			ND	ug/L	0.1	0.022		
	CYANAZINE		ND	սց/Լ	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION		ND	ug/L	0.1	0.015		
56-38-2 F	PARATHION		ND	ug/L	D.1	0.022		
1582-09-8 1	TRIFLURALIN		ND	ug/L	0.1	0.024		
-	- PAHs	*						
91 <b>-20</b> -3 N	NAPTHALENE		ND	ug/L	0.1	0.1^		
36-73-7 F	FLUORENE		ND	ug/L	0.1	0.026		
20 <b>6-96-</b> 8 A	ACENAPHTHYLENE		ND	ug/L	0.1	0.025		
3-32-9 A	ACENAPHTHENE		ND	ug/L	0.1	0.1^		
20-12-7 A	ANTHRACENE		ND	ug/L	0.1	0.012		
i6-55-3 B	BENZ(A)ANTHRACENE		ND	ug/L	0.1	0.012		
205-99-2 B	BENZO(B)FLUORANTHENE		ND	ug/L	0.1	0.025		
91-24-2 8	BENZO(G,H,I)PERYLENE		ND	ug/L	0.1	0.025		
:07-08-9 в	ENZO(K)FLUORANTHENE		ND	ug/L	0.1	0.022		
18-01-9 C	CHRYSENE		NÐ	ug/L	0.1	0.022		
i3-70-3 D	DIBENZO(A,H)ANTHRACENE		ND	ug/L	0.1	0.024		
. <b>06-44</b> -0 F	LUORANTHENE		ND	ug/L	0.1	0.1^		
93-39-5 N	NDENO(1,2,3-CD)PYRENE		ND	ug/L	D.1	0.040		
5-01-8 P	PHENANTHRENE		ND	ug/L	0.1	0.015		
29-00-0 P	YRENE		ND .	ug/L	0.1	0.022		•
-	Phthalates							
5-68-7 B	BENZYL BUTYL PHTHALATE		ND	ugiL	0.1	0.022		
4-74-2 D	HN-BUTYL PHTHALATE		ND	ug/L	0.1	0.085		
4-66-2 D	HETHYL PHTHALATE		ND	ug/L	0.1	0.044		
31-11-3 D	METHYL PHTHALATE		ND	ug/L	0.1	0.015		

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ND = Not detected above the lated practical quantizion limit (PCL) or not above the Mathind Detection Limit (MDL), if requested.

MCL: Maximum Containing and the set of the standard unsigned to satisfy a state of the state of

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Page 1 of 2

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# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Reference Number: 08-04630

	Project: Locher/Hall We Field ID: HW-2 Sample Description: Hall-Wentland Sampled By: Sample Date: 4/8/2008 Source Type: Sampler Phone:	Obs 2			Da Ext	Lab Number: Report Date: Ite Analyzed: raction Date: Analyst: Peer Review: tical Method:	5/1/2008 4/22/2008 525_080421 CO /^\/ A 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	-
<b>58-89</b> -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	Q.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74 <del>-</del> 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	· · · ,
<b>118-74-</b> 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	SIMAŽINE	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 <del>9</del> -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	<b>0</b> .1	0.031		
51218-45-2	METOLACHLOR	ND	ugA.	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PRÓPACHLOR	ND	ug/L	0.1	0.031		ب به ا
	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 Island practical quantitation that (POL) or not above the Method Detection Limit (MDL), if requested.

MCL- Maximum Contaminunt Level, maximum permissible level of a contaminant in water existbished by EPA, NPDWR. Blate Advisory Lavel (SAL) for Unregulated compounds. A blant MCL or BAL value indicates a level is not currently established. PCL - Precisional Cuentitation Limit is the concentration of the standard analyzed during the initial calibration. MDL - Method Detection Limit is the lab's reinformation of compound can be measured and reported with 99% considence that the compound concentration is greater than zere.



Reference Number: 08-04630 Page 2 of 2 Lab Number: 04609999 Report Date: 5/1/2008

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# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	· · · ·	ND	ug/L	0.1	0.035		Unstable in Acidified Sample 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/t.	0.1	0.024		
50-29-3	4,4-DDT		ND	ug/L	<b>0.</b> 1	0.022		
21725-46-2	CYANAZINE		ND	u <b>g/l.</b>	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^		
36-73-7	FLUORENE		ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE		ND	ug/L	0.1	0.025		
33-32-9	ACENAPHTHENE		ND	ug/L	0.1	0.1^		
20-12-7	ANTHRACENE		ND	ug/L	0.1	0.012		
6-55-3	BENZ(A)ANTHRACENE		ND	ug/L	0.1	0.012		
05-99-2	BENZO(B)FLUORANTHENE		ND	ug/L	0.1	0.025		
91-24-2	BENZO(G,H,I)PERYLENE		ND	ug/L	0.1	0.025		
07-08-9	BENZO(K)FLUORANTHENE		ND	ug/L	0.1	0.022		
18-01-9	CHRYSENE		ND	ug/L	0.1	0.022		
3-70-3	DIBENZO(A,H)ANTHRACENE		ND	ug/L	0.1	0.024		
06-44-0	FLUORANTHENE		ND	ug/L	0.1	0.1^		
93-3 <b>9-</b> 5	INDENO(1,2,3-CD)PYRENE		ND	ug/L	0.1	0.040		
5-01-8	PHENANTHRENE		ND	ug/L	0.1	0.015		
29-00-0	PYRENE		ND	úg/L	0.1	0.022		
	- Phthalates							-
5-68-7	BENZYL BUTYL PHTHALATE		ND	ug/L	0.1	0.022		•
4-74-2	DHN-BUTYL PHTHALATE		ND	ug/L	0.1	0.085		
4-66-2	DIETHYL PHTHALATE		ND	ug/L	0.1	0.044		
31-11-3	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), # requested.

NCL-Maximum constraints above intraction particul quantation in the (rCL) of the above the Method Detaction Limit (MCL), if requested.
NCL-Maximum constraints Level, matimum permissible level of a contaminant in water established by EPA, NPDWR. Butis Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Querkitation Limit is the concentration of the standard snatyzed desing the initial calibration.
PQL - Practical Querkitation Limit is the lable weighted on the standard snatyzed desing the initial calibration.
FQL - Maximum Detection Limit is the lable weighted on the standard snatyzed desing the initial calibration.
J - Estimated value.



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Page 1 of 2

Reference Number: 08-04630

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Lab Number: 04610000 Project: Locher/Hall Wentland/HBDIC Report Date: 4/25/2008 Field ID: HW-3 Date Analyzed: 4/24/2008 Sample Description: Hall-Wentland Obs Extraction Date: 525\_080421 Sampled By: Analyst: CO X Review: N Sample Date: 4/8/2008 Peer Review: Source Type: Analytical Method: 525.2 Sampler Phone: Synthetic Organics COMMENT Units MDL MCL RESULTS PQL CAS COMPOUND **EPA Regulated** 0.1 0.030 2 ND 72-20-8 ENDRIN ug/L 0.1 0.028 0.2 ND 56-89-9 LINDANE (BHC - GAMMA) ug/L 40 ND ug/L 0.1 0.015 72-43-5 METHOXYCHLOR 0.044 0.1 2 ND u¤/L 15972-60-8 ALACHLOR 0.030 3 ND ug/L 0.1 1912-24-9 ATRAZINE 0.012 0.2 0.1 ND ua/L 50-32-8 **BENZO(A)PYRENE** 0.3 2 ND ua/L 0.1 CHLORDANE, TECHNICAL 57-74-9 0.022 400 ND ua/L 0.1 DI(ETHYLHEXYL)-ADIPATE 103-23-1 0.1 0.063 6 ND ug/L DI(ETHYLHEXYL)-PHTHALATE 117-81-7 0.1 0.022 0.4 ND ug/L 76-44-8 HEPTACHLOR 0,1 0.02 0.2 ND ug/L HEPTACHLOR EPOXIDE 1024-57-3 0.1 0.025 ND ug/L 1 HEXACHLOROBENZENE 118-74-1 0.024 50 HEXACHLOROCYCLO-PENTADIENE ND ug/L 0.1 77-47-4 0.030 0.1 4 SIMAZINE ND ug/L 122-34-9 screening only / compliance by 515.1 0.08 PENTACHLOROPHENOL ND ug/L 0.4 1 87-86-5 EPA Unregulated 0.022 ND ug/L 0.1 309-00-2 ALDRIN 0.024 ND 0.1 23184-66-9 BUTACHLOR ug/L 0.031 ND ug/L 0.1 DIEL DRIN 60-57-1 0.024 NÐ 0.1 51218-45-2 METOLACHLOR ug/L 0.030 21087-64-9 METRIBUZIN ND ug/L 0.1 0.031 ND 0.1 uo/L 1918-16-7 , PROPACHLOR State Unregulated - Other 0.031 ND 0.1 ug/L 314-40-9 BROMACIL 0.1 0.043 NĐ ug/L 5902-51-2 TERBACIL

ND = Not detected above the listed practical quantitation limit (POL) or not above the Melhod Duinction Umit (MDL), if requested

ible lavel of a contaminant in water established by EPA, NPDWRL Sizte Advisory Lavel (SAL) for Veregulated compounds MCL- Maximum Cont ant Level, sac in peri

A blank MCL or EAL value indicates a level is not currently established. - Practical Quentitation Limit is the concentration of the standard analyzed during the Initial calibration. POL - Practical Out

nd can be measured and reported with 99% confidence that the compound concentration is greater than zero MOL - Method Detection Limit is the lab a minimum co J - Estimated value



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# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON		ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matri
759-94-4	EPTC		ND	ug/L	0.1	0.028		
72-54-8	4, <b>4-DOD</b>		ND	սց/Ն	0.1	0.024		
72-55-9	4,4-DDE		ND	ug/l.	0.1	0.024		
50-29-3	4.4-DDT		ND	սց/Լ	0.1	0.022		
21725-46-2	CYANAZINE		ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75 <b>-</b> 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	2						
91-20-3	NAPTHALENE		ND	ug/L	0.1	0.1^		
3 <b>6-7</b> 3-7	FLUORENE		ND	սց/Լ	0.1	0.026		
208-96-8	ACENAPHTHYLENE		ND	ug/L	0.1	0.025		
33-32-9	ACENAPHTHENE		ND	ug/L	0.1	0.1^		
20-12-7	ANTHRACENE		ND	ug/L	Ð.1	0.012		
56-55-3	BENZ(A)ANTHRACENE		ND	ug/L	0.1	0.012		
205-99-2	BENZO(8)FLUORANTHENE		ND	ug/L	0.1	0.025		
91-24-2	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		
18-01-9	CHRYSENE		ND	ug/L	0.1	0.022		
3-70-3	DIBENZO(A,H)ANTHRACENE		NÐ	u <b>g/L</b>	0.1	0.024		
06-44-0	FLUORANTHEME		ND	ug/L	0.1	0.1^		
93-39-5	INDENO(1,2,3-CD)PYRENE		ND	µg/L	0.1	0.040		
5-01-8	PHENANTHRENE		ND	ug/L	0.1	0.015		
29-00-0	PYRENE		ND	ug/L	D.1	0.022		
	- Phthalates							•
5-68-7	BENZYL BUTYL PHTHALATE		ND	ug/L	0.1	0.022		
4-74-2	DI-N-BUTYL PHTHALATE		ND	ug/L	0.1	0.085		
4-66-2	DIETHYL PHTHALATE		ND	ug/L	0.1	0.044		
31-11-3	DINETHYL PHTHALATE		ND	ugA	0.1	0.015	•	

HD = Not detected above the initial practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), @requested.

FID - For informance comprised to be a produced quantitation that (Price) or not assore provided control on the (Price), intropretation.
ECL: Maintaine Contaminate Level, instrume permissions developed on contaminant in water established by EPA, NPDVRR. Bane Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
POL - Practical Quantitation Limit is the concentration of the standard assigned during the initial calibration.
MOL: Matching Detection Limit is the lab's information concentration a compound can be researed and reported with 9% confidence that the compound concentration is greater than zero.
J - Estimated value.

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Page 1 of 2

Reference Number: 08-04630

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#### SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Lab Number: 04610001 Project: Locher/Hall Wentland/HBDIC Field ID: HW-SF Report Date: 4/25/2008 Sample Description: Hall-Wentland SF Date Analyzed: 4/24/2008 Sampled By: Extraction Date: 525\_080421 Analyst: CO Sample Date: 4/8/2008 Peer Review: Source Type: N Analytical Method: 525.2 Sampler Phone: Synthetic Organics COMPOUND MDL MCL COMMENT CAS RESULTS Units POL **EPA Regulated** 72-20-8 ENDRIN ND ug/L 0.1 0.030 2 0.2 58-89-9 LINDANE (BHC - GAMMA) ND ug/L 0.1 0.028 0.015 40 72-43-5 METHOXYCHLOR ND 0.1 ua/L 15972-60-8 ALACHLOR ND 0.1 0.044 2 ua/L ND 0.1 0.030 3 1912-24-9 ATRAZINE ua/L 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 0.1 0.063 6 ug/L 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 ưg/L 0.1 0.025 1 0.024 50 77-47-4 HEXACHLOROCYCLO-PENTADIENE ND ug/L 0.1 122-34-9 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** ND 309-00-2 ALDRIN ug/L 0.1 0.022 23184-66-9 BUTACHLOR ND ug/L 0.1 0.024 ND 0.031 60-57-1 DIELDRIN ug/L 0.1 51218-45-2 METOLACHLOR ND ug/L 01 0.024 ND 21087-64-9 METRIBUZIN 0.1 0.030 ug/L 1918-16-7 ND 0.031 PROPACHLOR ug/L 0.1 State Unregulated - Other ND 0.031 314-40-9 BROMACIL ug/L 0.1 5902-51-2 TERBACIL ND ug/L 0.1 0.043

HD = Not detected above the licted practicel quantitation limit (POL) or not above the Mathod Detection Limit (MDL), if requested,

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

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

POL - Practical Quantization Limit is the concentration of the standard analyzed during the leftial celturation. MDL - Method Detection Limit is the labit minimum concentration is compound can be measured and reported with 69% confidence that the compound concentration is greater than zero. J - Estimated value.



Reference Number: 08-04630 Page 2 of 2 Lab Number: 04610001 Report Date: 4/25/2008

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# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matri
7 <b>59-94-4</b>	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-0DD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-2 <del>9</del> -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*		
1 <b>20-12-7</b>	ANTHRACENE	ND	ug/L	<b>0.</b> 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	<b>0</b> .1	0.022		·•
	- Phthalates						
35-68-7	BENZYL BUTYL PHTHALATE	· ND	ug/L	0.1	0.022		
34-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
34-66-2	DETHYL 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 fated practical quantitation limit (PCI.) or not above the Mathod Detection (Jinit (MDL), If requested.

MCL-Markenen Contanteue Lovel, markene permanent eine prospiel net port eine hentene benannen hente prospiel (BAL) for Unregeleted compounds. A blank MCL or SAL veixe indicates a level is not carrently established. POL-Practicel Canadiation Link is the concentration of the utandami analyzed during the latel calibration. MDL-Method Detection Link is the lab's minimum concentration a compound can be measured and reported with 95% considence that the compound concentration is greater then zero. J - Estimated value.

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	TICAL ATORIES	Burlington WA Corporate Office Bellingham WA Microbiology	800.755.92 805 Orchar	95 - 360.757	.1400 • 360.75 98225	i7.1402fax	<u>.</u>		WSDOE Lab C1251 Page 1 of 1	
		DA		EPOR	т					
Client Name:	Walla Walla Basin Wate 810 S Main Street Milton-Freewater, OR S		il		Refe			08-04630 Locher/Hall	Wentland/HBDIC	
Lab Number:						Repor	t Date:	5/2/2008		
Field ID:	HW-1				1	Date An	alyzed:	4/28/2008		
	Hall-Wentland Obs 1	Analyst:								
Matrix: Collect Date:	Water	Peer Review: Analytical Method:								
Extraction Date: Extraction Method:	4/21/2008 3535	_			Апа	ilyucai iv	ienou:	525.2		
		» Synthetic O	rganics	- Extend	led List					
CAS ID# COMP	OUNDS	RESULT	-	Units	PQL	MDL		Batch	COMMENT	
Othe	r Compounds									
51235-04-2 HEXAZ	NONE (Velpar)	ND		ug/L	0.1	0.05	1.0	525X_080421		

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Result of:

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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 POL or MOL.

POL = Practicel Quantitation Limit is the lowest level that can be achieved within specified limits of practision and accuracy during routine laboratory operating conditions. D.F. - Division Factor.

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Page 1 of 1

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#### DATA REPORT

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

Report Date: 5/2/2008 Date Analyzed: 4/28/2008 Analyst CO Peer Review: MVA Analytical Method: 525.2

810 S Main Street Milton-Freewater, OR 97862 Lab Number: 9998 Field ID: HW-1 Sample Description: Hall-Wentland Obs 1 Matrix: Water Collect Date: 4/8/2008 Extraction Date: 4/21/2008 Extraction Method: 3535

Client Name: Walla Walla Basin Watershed Council

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#### SOC for Walla Walla \* -

			000	/ IVI 116	ALLES AA CTURN						
	CAS ID#	COMPOUNDS	RESULT	Flag	Units	POL	MDL	D.F.	Batch	COMMENT	
	231 <b>2-3</b> 5-8	PROPARGITE	ND		ug/L		-	1.0	525X_080421	Qualitative analysis	
	60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1,0	525X_080421		
	57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0			
	152 <b>99-99-7</b>	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- <b>89-9</b>	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		u <b>g/L</b>	0.1	0.03	1.0			
	115-32-2	DICOFOL	ND		ug/L	1	-	1.0			
	121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0			
	298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0			
	56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0			
	732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0			•
	43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0			
	68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0			
	950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0			
	88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0			
	51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0			

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

Flags are data qualifiers, if there are data qualifiers as your report definitions can be found on an accompanying shelt ND - indicates the compound was not detected above the PQL or MDL.

POL = 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. - Diulion Factor.

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#### DATA REPORT

Ċllent Name:	Walia Walia Basin Wate 810 S Main Street Milton-Freewater, OR S		11		Refe			08-04630 Locher/Hall 1	Wentland/HBDIC
Lab Number:	9999					Report	Date:	5/2/2008	
Field ID:	HW-2					Date Anal	yzed:	4/28/2008	
Sample Description:	Hall-Wentland Obs 2					An	alyst:	CO	
Matrix:	Water					Peer Re	view:	MVA	
Collect Date:	4/8/2008	,			Ana	alytical Me	thod:	525.2	
Extraction Date:	4/21/2008								
Extraction Method:	3535								
		» • ·· · · •		-					
		Synthetic O	rganics	- Extende	d List				
CAS ID# COMP	OUNDS	RESULT	Flag	Units	PQL		D.F.	Batch	COMMENT
Othe	r Compounds								

51235-04-2	HEXAZINONE (Velpar)	ND	ug/L	0.1	0.05	1.0 525X_080421

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

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

ND - indicates like compound was not delected above the POL or MDL.

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



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#### DATA REPORT

Client Name:	Walta Walia Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862
Lab Number:	9999
Field ID:	HW-2
Sample Description:	Hall-Wentland Obs 2
Matrix:	Water
Collect Date:	4/8/2008
Extraction Date: Extraction Method:	

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

Report Date: 5/2/2008 Date Analyzed: 4/28/2008 Analyst: CO Peer Review: MvA Analytical Method: 525.2

ļ, SOC for Walla Walla COMMENT RESULT Flag Units PQL MDL D.F. Batch \_CAS ID# COMPOUNDS 1.0 525x\_080421 Qualitative analysis 2312-35-8 PROPARGITE ND ug/L 0.03 60-51-5 DIMETHOATE ND ug/L 0.5 1.0 525x 080421 57837-19-1 METALAXYL ND ug/L 0.1 1.0 . 15299-89-7 NAPROPAMIDE ND ug/L 0.1 0.05 1.0 0.03 ND 0.1 122-34-9 SIMAZINE ug/L 1.0 **1-NAPHTHALENEACETAMIDE** ND 0.5 86-86-2 ug/L 1.0 0.04 ND 0.1 333-41-5 DIAZINON ug/L 1.0 60168-88-9 FENARIMOL ND ug/L 0.1 0.03 1.0 0.03 ND 0.1 58-89-9 LINDANE (BHC - GAMMA) ug/L 1.0 7786-34-7 MEVINPHOS ND ug/i 0.1 0.03 1.0 ug/L 86-50-0 AZINPHOS-METHYL ND 0.5 0.12 1.0 0.1 0.04 2921-88-2 **CHLORPYRIFOS** ND ug/L 1.0 0.1 0.02 72-54-8 4.4-DDD ND ug/L 1.0 0.02 0.1 72-55-9 4,4-DDE ND ug/L 1.0 50-29-3 4,4-DDT 0.1 0.03 ND ug/L 1.0 DICOFOL ND 1 115-32-2 ug/L 1.0 0.05 121-75-5 MALATHION ND ug/L 0.1 1.0 298-00-0 METHYL PARATHION NÐ 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 0.5 ug/L 1.0 0.1 0.07 43121-43-3 TRIADIMEFON ND ug/L 1.D 1.0 1.0 68694-11-1 TRIFLUMIZOLE ND ug/L 1.0 0.5 0.5 **METHIDATHINON** ND 950-37-8 ug/L 1.0 **MYCLOBUTANIL** 0.5 0.5 88671-89-0 ND ug/L 1.0 0.05 51235-04-2 HEXAZINONE ND ug/L 0.1 1.0

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

Flags are dela qualifiert, il there are data qualifiers en yeur 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 lowent level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

O.F. - Dilution Factor.



Client Name: Walla Walla Basin Watershed Council

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Page 1 of 1

COMMENT

#### DATA REPORT

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

Report Date: 5/2/2008 Date Analyzed: 4/28/2008 Analyst: CO Peer Review: MVA Analytical Method: 525.2

	o iu Simain Street
	Milton-Freewater, OR 97862
Lab Number:	10000
Field (D:	HW-3
Sample Description:	Hall-Wentland Obs
Matrix:	Water
Collect Date:	4/8/2008
Extraction Date:	4/21/2008
Extraction Method:	3535

CAS ID#

Synthetic Organics - Extended List <u>COMPOUNDS</u> <u>RESULT</u> Flag Units PQL MDL D.F. Batch Other Compounds

51235-04-2 HEXAZINONE (Velpar) ND ug/L 0.1 0.05 1.0 525X\_080421

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

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

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

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

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#### DATA REPORT

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

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

Report Date: 5/2/2008 Date Analyzed: 4/28/2008 Analyst: CO Peer Review: MVA Analytical Method: 525.2

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Lab Number:	10000
Field ID;	HW-3
Sample Description:	Hall-Wentland Obs
Matrix:	Water
Collect Date:	4/8/2008
Extraction Date:	4/21/2008
Extraction Method:	3535

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#### SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT Flag	Units	PQL		D.F.	Batch	COMMENT
231 <b>2-3</b> 5-8	PROPARGITE	ND	ug/L		-	1.0	525X_080421	Qualitative analysis
60-51-5	DIMETHOATE	ND	ug/L	0.5	0.03	1.0	525X_060421	
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		
<ul> <li>60168-88-9</li> </ul>	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/i	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND	ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	NÐ	ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.02	1.0		•
72-55-9	4,4-DDE	ND	ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.03	1.0		• .
115-32-2	DICOFOL	ND	ug/L	1	-	1.0		
121-75-5	MALATHION	ND	ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND	ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND	ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND	ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND	ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND	ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND	ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND	ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND	ug/L	0.1	0.05	1.0		
			-					

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

Fings are data qualifiers. If there are data qualifiers on your report definitions can be found on an eccompanying sheet.

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

PGL = 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. - Diktion Factor.

WSDOE	ab	C1251
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Client Name: Walla Walla Basin Watershed Council

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Page 1 of 1

Reference Number: 08-04630

## DATA REPORT

	810 S Main Street	-	Locher/Hall Wentland/HBDIC
	Milton-Freewater, OR	3/002	
Lab Number:	10001	Report Date:	5/2/2008
Field ID:	HW-SF	Date Analyzed:	4/28/2008
Sample Description:	Hall-Wentland SF	Analyst:	CO
Matrix:	Water	Peer Review:	MNA
Collect Date:	4/8/2008	Analytical Method:	525.2
Extraction Date:	4/21/2008		
Extraction Method:	3535		
		\$	•
		Synthetic Organics - Extended List	
CAS ID# COMP	OUNDS	RESULT Flag Units PQL MDL D.F.	Batch COMMENT
Othe	r Compounds		

ug/L

0.1

0.05

1.0 525X\_060421

ND

	Uner Compounds	
51235-04-2	HEXAZINONE (Velpar)	

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

1

Flags are data quelifiers. 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 MOL.

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. - Division Factor.

WSDOE Lab C1261

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Client Name: Walla Walla Basin Watershed Council

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Page 1 of 1

COMMENT

## DATA REPORT

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

Report Date: 5/2/2008 Date Analyzed: 4/28/2008 Analyst: CO Peer Review: MVA Analytical Method: 525.2

POL MDL D.F. Batch

810 S Main Street Milton-Freewater, OR 97862 Lab Number: 10001 Field ID: HW-SF Sample Description: Hall-Wentland SF Matrix: Water Collect Date: 4/8/2008 Extraction Date: 4/21/2008 Extraction Method: 3535

CAS ID# COMPOUNDS

SOC for Walla Walla RESULT Flag Units

2312-35-8	PROPARGITE	ND	ug/L		-	1.0	525X_090421	Qualitative analysis
60-51-5	DIMETHOATE	ND	ug/L	0.5	0.03	1.0	525X_080421	
57837-19-1	METALAXYL	ND	ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND	ug/L	0.1	0.05	1.0		
122-34- <del>9</del>	SIMAZINE	ND	ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND	ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND	ug/L	0.1	0.04	1.0		
~ 60168-88-9	FENARIMOL	ND /	ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND	ug/L	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND	ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND	ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.02	1.0		•
72-55-9	4,4-DDE	ND	ug/L	0.1	0.02	. 1.0		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.03	1.0		· · · ·
115-32-2	DICOFOL	ND	ug/L	1	-	1.0		
121-75-5	MALATHION	ND	ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND	ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND	ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND	ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND	ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND	ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND	ug/L	0.5	0.5	1.0		
88671 <b>-89-</b> 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.

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

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

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			True			%		QC		
Batch	Analyte	Result	Value	Unita	Method	Recovery	Limits	Qualifier Type*	Comment	
200.7-080414A	HARDNESS	73.6	69.5	mg/L	200.7	106	80-120	LFB		
	Ş.									
508_080421	AROCLOR 1260	2.28	2	ug/L	50B.1	114	60-140	LFB		
_	TETRACHLORO-M-XYLENE (SURR)	85		%	508.1		70-130			
615_080415	2,4 - D	1.8	2	ug∕L	515.1	90	<b>70-13</b> 0	LFÐ		
	2,4 - DCAA (SURR)	100		%	515.1		70-130			
	2,4 DB	7.67	8	ug/L	515.1	96	70-130			
	2,4,5 - TP (SILVEX)	1.01	1	ug/L	515.1	101	70-130			
	2,4,5 T	0.94	1	ug/L	515.1	94	<b>70-13</b> 0			
	ACIFLUORFEN	0.95	1	ug/L	<b>515.</b> 1	95	70-130			
	BENTAZON	1.96	2	ug/L.	515.1	98	70-130			
	CHLORAMBEN	0.97	1	ug/L	515.1	97	70-130			
	DALAPON	9.2	13	ug/L	515.1	71	70-130			
	DICAMBA	0.95	1	ug/L	515.1	95	70-130			
	DICHLORPROP	2.51	3	ug/L	515.1	84	70-130			
	DINOSEB	1.9	2	ug/L	515.1	95	70-130			
	PENTACHLOROPHENOL	0.86	1	ug/L	515.1	86	70-130	•		
	PICLORAM	0.92	1	ug/L	515.1	92	70-130			
	TOTAL (DCPA & Metabolites)	1.15	1	ug/L	515.1	115	70-130			
	: ·									÷.,
525_080421	1,3-QIMETHYL-2-NITROBENZENE (Surr)	1 <b>02</b>		%	525.2		70-130	LFB		
	4,4-000	0.99	1	սց/Լ	525.2	99	70-130			
	4,4-DDE	0.94	1	ug/L	525.2	94	70-130			•
	4,4-DDT	0.89	1	ug/L	525.2	89	70-130			
	ACENAPHTHYLENE	0.92	1	ug/L	525.2	92	70-130			
	ALACHLOR	1.96	2	ug/L	525.2	98	70-130			
	ALDRIN	0.67	1	ug/L	525.2	67	70-130	LR		
	ANTHRACENE	0.62	1	ug/L	525.2	62	70-130	LR		
	ATRAZINE	2.13	2	ug/L	525.2	107	<b>70-1</b> 30	1		
	BENZ(A)ANTHRACENE	0.9	1	ugA.	525.2	90	70-130	•		
	BENZO(A)PYRENE	0.76	1	ug/L	525.2	76	70-130	1	· · · ••••	· · · ·
	BENZO(B)FLUORANTHENE	1.04	1	ug/L	525.2	104	70-130	1		

\*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 fortily an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check tab performance.

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





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Page 2 of 10

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

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

			True			%.		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080421	BENZO(G,H,I)PERYLENE	0.88	1	ug/L	525.2	8B	70-130	LFB	
	BENZO(K)FLUORANTHENE	1.05	1	ug/L	525.2	105	70-130		
	BENZYL BUTYL PHTHALATE	1.02	1	ug/L	525.2	102	70-130		
	BROMACIL	1.17	1	ug/L	525.2	117	70-130		
	BUTACHLOR	1.15	1	ug/L	525.2	115	70-130		
	CHLORDANE, TECHNICAL	0.74	1	ug/L	525.2	74	<b>70-13</b> 0		
	CHRYSENE	0.95	1	ug/L	525.2	95	70-130		
	CYANAZINE	0.9	1	u <u>o</u> /L	525.2	90	70-130		
	DI(ETHYLHEXYL)-ADIPATE	0.81	1	ug/L	525.2	61	70-130		
	DI(ETHYLHEXYL)-PHTHALATE	1.09	1	ug/L	525.2	109	70-130		
	DIBENZO(A,H)ANTHRACENE	0.87	1	ug/L	525.2	87	70-130		
	DIELORIN	0.76	1	ug/L	525.2	76	<b>70-</b> 130		
	DIETHYL PHTHALATE	0.97	1	ug/L	525.2	97	70-130		
	DIMETHYL PHTHALATE	1.07	1.	ug/L	525.2	107	70-130		
	DI-N-BUTYL PHTHALATE	0.97	1	ug/L	525.2	97	70-130		
	ENDRIN	1.12	1	ug/L	525.2	112	70-130		
	EPTC	0.82	1	ug/L	525.2	82	70-130		
	FLUORENE	1.03	1	ug/L	525.2	103	70-130		
	HEPTACHLOR	0.92	.1	ug/L	525.2	92	70-130		
	HEPTACHLOR EPOXIDE	0.8	1	ug/L	525.2	80	70-130	•	
	HEXACHLOROBENZENE	1	1	սց/Լ.	525.2	100	70-130		
	HEXACHLOROCYCLO-PENTADIENE	1.01	1	ug/L	525.2	101	70-130		• •
	INDENO(1,2,3-CD)PYRENE	0.99	1	ug/L	525.2	99	70-130		
	LINDANE (BHC - GAMMA)	0.97	1	ug/L	525.2	97	70-130		
	MALATHION	0.95	1	ug/L	525.2	95	70-130		
	METHOXYCHLOR	1.01	1	ug/L	525.2	101	70-130		
	METÓLACHLOR	1.03	1	ug/L	525.2	103	70-130		•
	METŘIBUZIN	0.99	1	ug/L	525.2	99	<b>70</b> -130		
	PARATHION	1	1	ug/L	525.2	100	70-130		
	PENTACHLOROPHENOL	3.86	4	ug/L	525.2	97	70-130		
	PERYLENE-D12 (Surr)	102		*	525.2		70-130		
	PHENANTHRENE	0.94	1	ug/L	525.2	94	70-130		
	PROPACHLOR	0.96	1	ug/L	525.2	96	70-130		
	PYRENE	0.94	1	ug/L	525.2	94	70-130		
	PYRENE-D10 (Sur)	107		%	525.2		70-130		
	SIMAZINE	1.02	1	ug/L	525.2	102	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 teb performance.

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Page 3 of 10

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

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

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			True			%		QC			
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier"	Type*	Comment	
525_080421	TERBACIL	1.05	1	ug/L	525.2	105	70-130	i i	LFB		·
	TRIFLURALIN 🏄	1.01	1	ug/L	525.2	<b>10</b> 1	70-130				
	TRIPHENYLPHOSPHATE (Suit)	100		%	525.2		70-130				
525X_080421	1-NAPHTHALENEACETAMIDE	2.05	2	ug/L	525.2	103	70-130	I	LFB		
	CHLORPYRIFOS	0.94	1	ug/L	525.2	94	70-130				
	DICOFOL	3	2	ug/L	525.2	150	70-130	N1			
	FENARIMOL	0.96	1	ug/L	525.2	96	70-130				
	HEXAZINONE	0.93	1	ug/L	525.2	93	70-130				
	HEXAZINONE (Velpar)	0.93	1	սց/Լ	525.2	93	70-130				
	MALATHION	0.93	1	սց/Լ	525.2	93	70-130				
	METALAXYL	2.08	2	ug/L	525.2	104	70-130				
	METHIDATHINON	2.36	2	ug/L	525.2	118	85-115				
	MEVINPHOS	0.94	1	ug/L	525.2	94	<b>70-13</b> 0				
	MYCLOBUTANIL	2.17	2	ug/L	525.2	109	85-115				
	NAPROPAMIDE	0.86	1	ug/L	525.2	86	70-130				
	PARATHION-ETHYL	0.71	1	սց/Լ	525.2	71	<b>70-</b> 130				
	PHOSMET	2.17	.2	ug/L	525.2	109	70-130				
	PROPARGITE	2.21	2	ug/i.	525.2	111	85-115		•		
	TRIADIMEFON	0.84	1	ug/L	525.2	84	70-130				
	TRIFLUMIZOLE	1.14	2	ug/L	525.2	57	85-115	<b>N</b> 1		· · ·	r
	<del>.</del>										•
31_080416	3-HYDROXYCARBOFURAN	9.1	10	ug/L	531.2	91	70-130	1	lfð		
	ALDICARB	8.9	10	ug/L	531.2	89	70-130				
	ALDICARB SULFONE	8.2	10	ug/L	531.2	82	70-130				
	ALDICARB SULFOXIDE	7.6	10	ug/L	531.2	76	70-130				
	CARBARYL	9.6	10	ug/L	531.2	96	70-130				
	CARBOFURAN	8.3	10	ug/L	531.2	83	70-130				
	METHIOCARB	8.2	10	ug/L	531.2	82	70-130				
	METHOMYL	8.4	10	ug/L.	531.2	84	70-130				
	OXYMAI.	9	10	ug/L	531.2	90	70-130				
	PROPOXUR (BAYGON)	9.1	<b>10</b> ·	ug/L	531.2	91	70-130				
31_080416	3-HYDROXYCARBOFURAN	20	20	սց/Լ	531.2	100	70-130		LFB		
	ALDICARB	21.5	20	ug/L	531.2	108	70-130				

\*Notation:

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Page 4 of 10



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

#### Laboratory Fortified Blank

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

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				True			%		90	
Batch	Analyte		Result	Value	Units	Method	Recover	y Limits	Qualifier Type	Comment
531_080416	ALDICARB SULFONE		19.1	20	ugiL	531.2	96	70-130	LFB	······································
	ALDICARB SULFOXIDE	4×44	16.9	20	ug/L	531.2	85	70-130		
	CARBARYL		21.9	20	ug/L	531.2	110	70-130		
	CARBOFURAN		19	20	ug/L	531.2	95	70-130		
	METHIOCARB		20.3	20	ug/L	531.2	102	70-130		
	METHOMYL		22.8	20	ug/L	531.2	114	70-130		
	OXYMAL		21.9	20	ug/L	531.2	110	70-130		
	PROPOXUR (BAYGON)		19.7	20	ug/L	531.2	99	70-130		
COD_080415	CHEMICAL OXYGEN DEMAND		54	50	mg/L	SM5220 D	108	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY		1 <b>67</b>	169	uS/cm	SM2510 B	99	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY		167	169	uS/cm	SM2510 B	99	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY		170	169	uS/cm	SM2510 B	101	80-120	LFB	
ec_080410	ELECTRICAL CONDUCTIVITY		169	169	uS/cm	SM2510 B	100	80-120	LFB	
OPHOS-080410	ORTHO-PHOSPHATE		1. <b>02</b>	1.00	mg/L	SM450D-P F	102	70-130	LFB	
No. 080411			170	500					1.55	
tds_080411	TOTAL DISSOLVED SOLIDS		472	500	mg/L	SM2540 C	94	80-120	LFB	
lds_080411	TOTAL DISSOLVED SOLIDS		498	500	mg/L	SM2540 C	100	80-120	LFB	
tds_080411	TOTAL DISSOLVED SOLIDS		494	500	mg/L	SM2540 C	89	80-120	LFB	

"Notation:

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

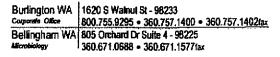
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LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the leb. The LFB is analyzed exectly like a sample, and its purpose is to determine whether method performance is within accepted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

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





Page 5 of 10

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

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

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		True	ł		%	90	
Batch	Analyte	Resutt Valu	e Units	Melhod	Recovery Limits	Qualifier Type*	Comment
200.7-080414A	HARDNESS	ND	mg/L	200.7	10.000	)CLRB	
	ě.						
COD_060415	CHEMICAL OXYGEN DEMAND	ND	mg/L	SM5220 D	4.00000	) L <b>RB</b>	
D080423A	BROMATE	ND	mg/L	300.1	0.00500	) LRB	
D080425A	BROMATE	ND	mg/L	300.1	0.00500	LRB	
(08D410A	CHLORIDE NITRATE-N	ND ND	mg/L mg/L	300.0 300.0	0.10000		
OPHOS-080410	ORTHO-PHOSPHATE	ND	mg/L	SM4500-P F	D. 10000	) LRB	
TURB_080410	TURBIDITY	ND	NTU	180.1	0.02000	) LRB -	

"Notation:

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

NA = Indicales % Recovery could not be calculated.

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Page 6 of 10



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

. .

			True			%	QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limits	Qualifier Type*	Comment
200.7-0B0414A	HARDNESS	ND		mg/L	200.7	0.8200	0 MB	······ · · · · · · · · · · · · · · · ·
	*							
508_090421	AROCLOR 1016	ND		ug/L	508.1	0.0200	0 MB	
	AROCLOR 1221	ND		-g	508.1	0.1200		
	AROCLOR 1232	ND		-g.= ug/L	508.1	0.0200		
	AROCLOR 1242	ND		ug/L	508.1	0.0200		
	AROCLOR 1248	ND		-g ug/L	508.1	0.0200	_	
	AROCLOR 1254	ND		ug/L	508.1	0.0200		
	AROCLOR 1260	ND		ug/L	508.1	0.0200		
	TETRACHLORO-M-XYLENE (SURR)	83		%	508.1	0.0000		
515_080415	2,4 - D	ND		ug/L	<b>515</b> .1	0.0500	D MB	
	2,4 - DCAA (SURR)	107		%	515.1			
	2,4 DB	ND		սցչ	515.1	0.2500	נ	
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1	0.1000	2	
	<b>2,4,5</b> T	ND		ug/L	515.1	0.1000	)	
	ACIFLUORFEN	ND		ug/L	515.1	0.5000	)	
	BENTAZON	ND		ug/L	515.1	0.1200	<b>)</b> -	
	CHLORAMBEN	ND		ug/L	515.1	0.2000	)	
	DALAPON	ND		ug/L	515.1	0.5000	ו	- ,
	DCPA (ACID METABOLITES)	ND		ugiL	515.1	0.1000	)	_
	DICAMBA	ND		ug/L	515.1	0.0500	)	
	DICHLORPROP	ND		ug/L	515.1	0.1200	1	
	DINOȘEB	ND		ug/L	515.1	0.1000	)	
	PENTACHLOROPHENOL	ND		ug/L	515.1	0.0200	)	
	PICLORAM	ND		ug/L	515.1	0.0500	3	
	TOTAL (DCPA & Metabolites)	ND		υ <b>g/L</b>	<b>51</b> 5.1	0.0200	)	
25_080421	1,3-DIMETHYL-2-NITROBENZENE (Surr)	104		%	525.2		100	
	4,4-DDD	ND			525.2 525,2	A 45-00	MB	Trip Blank 08-04583
	4,4-DDE	ND		ug/L	525.2 525.2	0.05000		Trip Blank 08-04583
	4,4_DDT	ND		ug/L		0.05000		Trip Blank 08-04583
	ACENAPHTHENE			ug/L	525.2	0.05000		Trip Blank 08-04583
	, termine of a fill that the	ND		ug/L	525.2	0.05000	1	Trip Blank 08-04583

\*Notation:

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

NA = Indicates % Recovery could not be calculated.

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Page 7 of 10

## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

			True			%		QC	
Balch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080421	ALACHLOR	ND		ug/L	525.2		0.02000	MB	Trip Blank 08-04583
	ALDRIN >>	ND		ug/L	525.2		0.05000	l	Trip Blank 08-04583
	ANTHRACENE	ND		ug/L	525.2		0.05000	l i i i i i i i i i i i i i i i i i i i	Trip Blank 06-04583
	ATRAZINE	ND		ug/L	525.2		0.02000	•	Trip Blank 08-04583
	BENZ(A)ANTHRACENE	ND		ug/L	525.2		0.02000	•	Trip Blank 08-04583
	BENZO(A)PYRENE	ND		ug/L	525.2		0.02000	F	Trip Blank 08-04583
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2		0.05000	1	Trip Blank 08-04583
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2		0.05000	) – <sup>1</sup>	Trip Blank 06-04583
	BENZO(K)FLUORANTHENE	, ND		ug/L	525.2		0.05000	)	Trip Blank 08-04583
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2		0.60000	)	Trip Blank 08-04583
	BROMACIL	ND		ug/1.	525.2		0.05000	•	Trip Blank 08-04583
	BUTACHLOR	ND		ug/L	525.2		0.10000	1	Trip Blank 08-04583
	CHLORDANE, TECHNICAL	ND		ug/L	525.2		0.02000	<b>)</b>	Trip Blank 08-04583
	CHRYSENE	ND		ug/L	525.2		0.05000	)	Trip Blank 08-04583
	CYANAZINE	ND		ug/L	525.2		0.05000	)	Trip Blank 08-04583
	DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2		0.02000	)	Trip Blank 08-04583
	DI(ETHYLHEXYL)-PHTHALATE	0.14		ug/L	525.2		0.60000	)	Trip Blank 08-04583
	DIAZINON	ND		ug/L	525.2		0.05000	1	Trip Blank 08-04583
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2		0.05000	<b>)</b>	Trip Blank 08-04583
	DIELDRIN	NÐ		ug/L	525.2		0.05000	1 <sup>.</sup> • •	Trip Blank 08-04583
	DIETHYL PHTHALATE	ND		ug/L	525.2		0.60000	1	Trip Elenk 06-04583
	DIMETHYL PHTHALATE	ND		ug/L	525.2		0.60000	1	Trip Blank 08-04583
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2		0.60000	1	Trip Blank 08-04583
	ENDRIN	ND		ug/L	525.2		0.02000	)	Trip Blank 06-04563
	EPTC	ND		ug/L	525.2		0.07000	)	Trip Blank 08-04583
	FLUORANTHENE	ND		ug/L	525.2		0.05000	)	Trip Blank 08-04583
	FLUORENE	ND		ug/L	525.2		0.05000	)	Trip Blank 08-04583
	HEPTACHLOR	ND		ug/L	525.2		0.02000	)	Trip Blank 08-04583
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2		0.02000	)	Trip Elank 08-04583
	HEXACHLOROBENZENE	NĐ		ug/L	525.2		0.02000	)	Trip Blank 08-04563
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2		0.0200	)	Trip Blank 08-04563
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2		0.05000	)	Trip Blank 06-04583
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.0200	)	Trip Blank 08-04583
	MALATHION	ND		ug/L	525.2		0.0500	נ	Trip Blank 08-04583
	MÉTHOXYCHLOR	ND		ug/L	525.2		0.0200	)	Trip Blank 08-04583
	METOLACHLOR	ND		ug/L	525.2		0.2500	)	Trip Blank 08-04583

\*Notation:

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

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Page 8 of 10

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

				True			%		ac	
Batch	Analyle		Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
525_080421	METRIBUZIN		ND		ug/L	525.2		0.05000	MB	Trip Blank 06-04583
	NAPTHALENE	<b>à</b>	ND		ug/L	525.2		0.02000		Trip Blank 08-04583
	PARATHION		ND		ug/L	525.2		0.05000		Trip Blank D8-04583
	PENTACHLOROPHENOL		ND		ug/L	525.2		0.04000		Trip Blank 08-04583
	PERYLENE-D12 (Surr)		100		%	525.2				Trip Blank 06-04583
	PHENANTHRENE		ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	PROPACHLOR		ND		ug/L	525.2		0.05000		Trip Blank 06-04583
	PYRENE		ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	PYRENE-D10 (Surr)		105		%	525.2				Trip Blank OS-04583
	SIMAZINE		ND	-	ug/L	525.2		0.02000		Trip Blank 08-04583
	TERBACIL		ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	TRIFLURALIN		ND		ug/L	525.2		0.05000		Trip Blank 08-04583
	TRIPHENYLPHOSPHATE (Surr)		102		%	525.2				Trip Blank 08-04583
525X_080421	1-NAPHTHALENEACETAMIDE AZINPHOS-METHYL CHLORPYRIFOS DICOFOL DIMETHOATE FENARIMOL HEXAZINONE (Velpar) MALATHION METALAXYL METHIDATHINON METHIDATHINON METHYL PARATHION MEVINPHOS MYCLOBUTANIL NAPROPAMIDE PARATHION-ETHYL PHOSMET PROPARGITE		ND ND ND ND ND ND ND ND ND ND ND ND ND N		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	525.2 525.2		0.10000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000		
	TRIADIMEFON		ND		ug/L	525.2		0.00000		
	TRIFLUMIZOLE		ND		ug/L	525.2		1.00000	)	and the second second

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Page 9 of 10

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

			True			<b>%</b>	QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limits	Qualifier Type*	Comment
531_080416	3-HYDROXYCARBOFURAN	» ND		ug/L	531.2	0.50000	MB	
	ALDICARB	ND		ug/L	531.2	0.25000	I.	
	ALDICARB SULFONE	ND		ug/L.	531.2	0.40000	I	
	ALDICARB SULFOXIDE	ND		ug/L	531.2	0.25000	I	
	CARBARYL	ND		ug/L	531.2	0.50000	I	
	CARBOFURAN	ND		ug/L	531.2	0.45000	I	
	METHIOCARB	ND		ug/L	531.2	1.00000	I	
	METHOMYL	ND		υ <b>g/L</b>	531.2	0.25000		
	OXYMAL	ND		ug/L	531.2	1.00000	I.	
	PROPOXUR (BAYGON)	ND		ug/L	531.2	0.25000		
ec_080410		ND		uS/cm	SM2510 B	2.50000	MB	
ec_080410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000	МВ	
ec_060410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000	MB	
ec_060410	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B	2.50000	MB	
OPHOS-080410	ORTHO-PHOSPHATE	ND						
0FH03-000410	CRINCERUSPRATZ	ND		mgA.	SM4600-P F	0.10000	MB	•
ids_080411	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000	MB	
tds_080411	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000	MB	•
tds_080411	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000	МВ	

"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 tab performance.

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Page 10 of 10

## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

**Quality Control Sample** 

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

				True			%		ac	
Balch	Analyle		Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
200.7-080414A	HARDNESS		134	132.3	mg/L	200.7	101	80-120	QCS	
		ANTI-								
COD_080415	CHEMICAL OXYGEN DEMAND		128	133	mg/l.	SM5220 D	96	80-120	QCS	
D080423A	BROMATE		0.0176	0.0184	mg/L	300.1	96	75-125	acs	
D080425A	BROMATE		0.018	0.0184	mg/L	300.1	98	75-125	QCS	
1060410A	CHLORIDE		29 .	30.0	mg/L	300.0	97	80-120	QCS	
	NITRATE-N		2.42	2.50	mg/L	300.0	97	60-120		
OPHOS-080410	ORTHO-PHOSPHATE		0.49	0.49	mg/L	SM4500-P F	100	70-130	QCS	
TURB_080410	TURBIDITY		0.95	1.00	NTU	180.1	95	70-130	QCS .	

\*Notation:

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

NA = indicates % Recovery could not be calculated.

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Page 1 of 6

## QUALITY CONTROL REPORT

Reference Number: 08-04630

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Report Date: 5/9/2008

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## Duplicate

-				Duplicate				ac	
Balch	Sample	Analyte	Result	Result	Units	%RPD	Limits	Qualifier	Comments
200.7-08041	4A				, 746-94-14 , <b>, , , , , , , , , , , , , , , , , ,</b>				
	9884	HARDNESS	39.0	38.8	mg CaCO3/L	0.5	0-45	DUP	
	10101	HARDNESS	60.1	60.0	mg CaCO3/L	0.2	0-45	DUP	
515_080415	l								
525 080421									
-	9998	1,3-DIMETHYL-2-NITROBENZENE (Surr	108	104	*	3.8	0-45	DUP	
	9998	PYRENE-D10 (Suπ)	101	101	%	0.0	0-45	DUP	
	9998	PERYLENE-D12 (Surr)	103	101	%	2.0	0-45	DUP	
	9998	TRIPHENYLPHOSPHATE (Surr)	110	102	%	7.5	0-45	DUP	
COD_08041	5								
_	10025	CHEMICAL OXYGEN DEMAND	12	11	mg/L	8.7	0-45	DUP	
	10035	CHEMICAL OXYGEN DEMAND	15	14	mg/L	6.9	0-45	DUP	
	10199	CHEMICAL OXYGEN DEMAND	15	14	mg/L	6.9	0-45	DUP	
D080423A									
D080425A									
ec_080410									
	9999	ELECTRICAL CONDUCTIVITY	182	181	uS/cm	0.6	0-45	DUP	
	10001	ELECTRICAL CONDUCTIVITY	115	116	uS/cm	0.9	0-45	DUP	
EC_080410									
<b></b>		ELECTRICAL CONDUCTIVITY	208	206	uS/cm	0.0	0-45	DUP	
1080410A									
	10022	CHLORIDE	3.9	3.9	mg/L	0.0	0-45	DUP	
	10023	CHLORIDE	31	32	mg/L	3.2	0-45	DUP	
	10030	CHLORIDE	122	122	mg/L	0.0	0-45	DUP	
	10058	CHLORIDE	17	17	mg/L	0.0	0-45	DUP	
OPHOS-080	410								
		ORTHO-PHOSPHATE	0.04	0.04	• mg/L	0.0	0-50	DUP	

%RPD = Relative Percent Difference

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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.

Only Duplicate sample with detections are listed in this report



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#### Page 2 of 6 Reference Number: 08-04630 Report Date: 5/9/2008

### Duplicate

			or the second	Duplicate				OC	
Batch	Sample	Analyte	Result	Result	Units	%RPD	Limits	Qualifier	Comments
	10018	ORTHO-PHOSPHATE	0.04	0.04	mg/L	0.0	0-50	DUP	
PH_080410									
	10051	HYDROGEN ION (pH)	7.47	7.48	pH Units	0.1	0-45	DUP	
TDS_080411									
_	9794	TOTAL DISSOLVED SOLIDS	265	282	mg/L	6.2	0-45	DUP	
	10001	TOTAL DISSOLVED SOLIDS	85	86	mg/L	1.2	0-45	DUP	
TURB_080410	)								
_	10022	TURBIDITY	0.20	0.20	NTU	0.0	<sup>**</sup> 0-50	DUP	

%RPD = Relative Percent Difference

\$

NA = Indicates %RPD could not be calculated



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Page 3 of 6 Reference Number: 08-04630 Report Date: 5/9/2008

### Matrix Spike

200.7-080414A 515_080415		•	······································	Spike	Spike	Spike		Percer	t Recovery				QC	
515_080415	Sampla	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Umits	%RPD	Limits	Quelifier	Comments
515_080415		······································												
515_080415	9884	HARDNESS	39.0	110	111	69.5	mg CaCO3/L	102	104	80-120	1.4	0-60	ĹF	-
	10101	HARDNESS	60.1	130	132	69.5	mg CaCO3/L	101	103	80-120	2.8	0-60	LF	
							-						<b>L</b> ,	141
	10217	2,4 - D	ND	1.9		2	mg/L	95	NA	65-135	NA	0-60	LF	34
	10217	2,4,5 - TP (SILVEX)	ND	1.1		1	mg/L	110	NA	65-135	NA	0-60	LF	
	10217	PENTACHLOROPHENOL	ND	0.94		1	ug/L	94	NA	65-135	NA	0-60	LF	
	10217	DALAPON	ND	10.2		13	mg/L	78	NA	65-135	NA 🤝	0-60	LF	
	10217	DINOSEB	ND	2.27		2	mg/L	114	NA	65-135	NA	0-60	_, LF	
	10217	PICLORAM	ND	0.94		1	mg/L	94	NA	65-135	NA	0-60	LF	
	10217	DICAMBA	ND	0.94		1	ug/L	94	NA	65-135	NA	0-60	LF	
	10217	TOTAL (DCPA & Metabolites)	ND	1.21		1	ug/L	121	NA	65-135	NA	0-60	LF	
	10217	2,4 DB	ND	8.39		8	ug/L	105	NA	65-135	NA	0-60	LF	
	10217	2,4,5 T	ND	1		1	ug/L	100	NA	65-135	NA	0-60	LF	
	10217	BENTAZON	ND	2.01		2	ug/L	101	NA	65-135	NA	0-60	LP	
	10217	DICHLORPROP	ND	2.74		3	ug/L	91	NA	65-135	NA	0-60	LF	
	10217	ACIFLUORFEN	ND	1.1		1	ug/L	110	NA	65-135	NA	0-60	LF	
	10217	CHLORAMBEN	ND	0.91		1	ug/L	91	NA	65-135	NA	0-50	LF	
	10217	2,4 - DCAA (SURR)	102	107			%		NA	70-130	NA	0-60	LF	
525_080421														
	10001	ENDRIN	ND	1.09		1	ug/L	109	NA	70-130	NA	0-60	LF	M
	10001	LINDANE (BHC - GAMMA)	ND	0.93		1	ug/L	93	NA	70-130	NA	0-60	LF	
	10001	METHOXYCHLOR	ND	1.13		1	ug/L	113	NA	70-130	NA	0-60	LF	M
·	10001	ALACHLOR	ND	1.94		2	ug/L	97	NA	70-130	NA	0-60	LF	M
	10001	ATRAZINE	ND	2.28		2	ug/L	114	NA	70-130	NA	0-60	LF	M
	10001	BENZO(A)PYRENE	ND	0.36		1	ug/L	36	NA	70-130	NA	0-60	ME LF	M
-	10001	CHLORDANE, TECHNICAL	ND	0.69		1	ug/L	69	NA	70-130	NA	0-60	LR LF	M
1	10001	DI(ETHYLHEXYL)-ADIPATE	ND	0.83		1	ug/L	83	NA	70-130	NA	0-60	LF	м
	10001	DI(ETHYLHEXYL)-PHTHALATE	NØ	1.04		1	ug/L	104	NA	70-130	NA	0-60	LF	M
•	10001	HEPTACHLOR	ND	0.92		1	ug/L	92	NA	70-130	NA	0-60	LF	M
•	10001	HEPTACHLOR EPOXIDE	ND	0.76		1	ug/L	76	NA	70-130	NA	0-50	LF	M
٩	10001	HEXACHLOROBENZENE	ND	0.99		1	ug/L	99	NA	70-130	NA	0-60	LF	M
1	10001	HEXACHLOROCYCLO-PENTADIENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60	LF	M
1	10001	SIMAZINE	ND	1.03		1	ug/L	103	NA	70-130	NA	0-60	LF	М
1	10001	PENTACHLOROPHENOL	ND	4.6		4	ug/L	115	NA	70-130	NA	0-50	LF	M
1	10001	ALDRIN	NÐ	0.67		1	ug/L	67	NA	70-130	NA	0-60	LR LF	M

Duplicate

#### %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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#### Page 4 of 6 Reference Number: 08-04630 Report Date: 5/9/2008

### **Matrix Spike**

		-		Spike	Spike	Spike		Percen	1 Recover	¥			QC	
Balch	Sample	Analyte	Result	Result	Result	Conc	Units "	MS	MSD	Limits	%RPD	Limits	Qualifier	Comments
	10001	BUTACHLOR	ND	1.2		1	ug/L	120	NA	70-130	NA	0-60	LFM	······
	10001	DIELDRIN	ND	0.78		1	ug/L	78	NA -	70-130	NA	0-60	LFM	
		METOLACHLOR	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60	LFM	
	10001		ND	1.04		1	ug/L .	104	NA	70-130	NA	0-60	LFM	
	10001		ND	1.03		1	ug/L	103	NA	70-130	NA	0-60	LFM	
	10001	BROMACIL	ND	1.23		1	ug/L	123	NA	70-130	NA	0-60	LFM	
	10001		ND	1.12		1	ug/L	112	NA	70-130	NA	0-60	LFM	
	10001	DIAZINON	ND	0.74		1	ug/L	74	NA	70-130	NA	<b>_0-6</b> 0	LFM	
	10001	SIMAZINE	ND	1.03		1 -	ug/L	103	NA	70-130	NA	0-60	LFM	
	10001	EPTC	ND	0.88		1	ug/L	88	NA	70-130	NA	0-60	LFM	
	10001	DIAZINON	ND	0.74		1	ug/L	74	NA	70-130	NA	0-60	LFM	
	10001	4,4-DDD	ND	0.96		1	ug/L	96	NA	70-130	NA	0-60	LFM	
	10001	4,4-DDE	ND	0.86		1	ug/L	86	NA	70-130	NA	0-60	LFM	
	10001	LINDANE (BHC - GAMMA)	ND	0.93		1	ug/L	<del>9</del> 3	NA	70-130	NA	0-60	LFM	
	10001	4,4-DDT	ND	0.87		1	ug/L	87	NA	70-130	NA	0-60	LFM	
	10001	CYANAZINE	ND	0.84		1	vg/L	84	NA	70-130	NA	0-80	LFM	
	10001	MALATHION	ND	0.99		1	ug/L	99	NA	70-130	NA	0-80	LFM	
	10001	PARATHION	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60	LFM	
	10001	TRIFLURALIN	ND	1.12		1	ug/L	112	NA	70-130	NA	0-60	LFM	
	10001	4,4-DDD	ND	0.96		1	ug/L	96	NA	70-130	NA	0-60	LFM	
	10001	4,4-DDE	ND	0.86		1	ug/L	86	NA	70-130	NA	0-60	LFM	
	10001	4,4-DDT	ND	0.87		1	ug/L	87	NA	70-130	NA	0-60	LFM	
	10001	MALATHION	ND	0.99		1	ug/L	99	NA	70-130	NA	0-60	LFM	
	10001	PARATHION-ETHYL	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60	LFM	
	10001	FLUORENE	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60	LFM	
	10001	ACENAPHTHYLENE	ND	0.87		1	ug/L	87	NA	70-130	NA	0-60	LFM	
	10001	BENZ(A)ANTHRACENE	ND	0.53		1	ug/L	53	NA	70-130	NA	0-60	ME LFM	
	10001	BENZO(B)FLUORANTHENE	ND 1	1.02		1	ug/L	102	NA	70-130	NA	0-60	LFM	
	10001	BENZO(G,H,I)PERYLENE	ND	0.81		1	ug/L	81	NA	70-130	NA	0-60	LFM	
	10001	BENZO(K)FLUORANTHENE	ND	0.93		1	ug/L	93	NA	70-130	NA	0-60	LFM	
	10001	CHRYSENE	ND	0.93		1	ug/L	93	NA	70-130	NA	0-60	LFM	
	10001	DIBENZO(A,H)ANTHRACENE	ND	0.87		1	ug/L	87	NA	70-130	NA	0-60	LFM	
	10001	INDENO(1,2,3-CD)PYRENE	ND	1.03		1	ug/L	103	NA	70-130	NA	0-60	LFM	
	10001	PHENANTHRENE	ND	0.91		1	ug/L	91	NA	70-130	NA	0-60	LFM	
	10001	PYRENE	ND	0.8		1	ug/L	80	NA	70-130	NA	0-60	LFM	
	10001	BENZYL BUTYL PHTHALATE	ND	1.05	•	1	ug/L	105	NA	70-130	NA	0-60	LFM	

Duolicate

%RPD = Relative Parcent Difference

NA = Indicates %RPD could not be calculated



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#### Page 5 of 6 Reference Number: 08-04630 Report Date: 5/9/2008

### **Matrix Spike**

		·		Spike	Spike	Spike		Percer	<u>it Recovery</u>				OC	
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	M6D	Limits	%RPD	Limits	Qualifier	Comments
	10001	DI-N-BUTYL PHTHALATE	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60	L	FM
	10001	DIETHYL PHTHALATE	ND	0.99		1	ug/L	99	NA	70-130	NA	0-60	ł	FM
	10001	DIMETHYL PHTHALATE	ND	1.05		1	ug/L	105	NA	70-130	NA	0-60	L	FM
	10001	1,3-DIMETHYL-2-NITROBENZENE (Surr	107	104			%		NA	70-130	NA	0-80	L	FM
	10001	PYRENE-D10 (Surr)	99	94 -			%		NA	70-130	NA	0-60	1	FM
	10001	PERYLENE-D12 (Sun)	105	99			%		NA	70-130	NA	0-60	1	FM
	10001	TRIPHENYLPHOSPHATE (Surr)	109	108			%		NA	70-130	NA	0-60	i	FM
525X_080421									٠		•	\$°		
	10001	HEXAZINONE	ND	1.21		1	ug/L	121	NA	70-130	NA	0-50	1	FM
	10001	HEXAZINONE (Velpar)	ND	1.21		1	ug/L	121	NA	70-130	NA	0-60	Ŀ	FM
	10001	PROPARGITE	ND	2.48		2	ug/L	124	NA	70-130	NA	0-50	E	FM
	10001	METALAXYL	ND	2.02		2	ug/L	101	NA	70-130	NA	0-50	t	FM
	10001	NAPROPAMIDE	ND	1.03		1	ug/L.	103	NA	70-130	NA	0-50	L	FM
	10001	1-NAPHTHALENEACETAMIDE	ND	2.15		2	ug/L	108	NA	70-130	NA	0-50	E	FM
	10001	FENARIMOL	ND	1.26		1	ug/L	126	NA	70-130	NA	0-50	t	FM
	10001	MEVINPHOS	ND	1.08		2	ug/L	54	NA	70-130	NA	0-50	N1 L	FM
	10001	MALATHION	ND	1 <b>.04</b>		1	ug/L	104	NA	70-130	·NA	0-60	. ·	ЕМ
	10001	CHLORPYRIFOS	ND	1.04		1	ug/L	104	NA	70-130	NA	0-50	L	FM
	10001	PARATHION	ND	0.88		1	ug/L	88	NA	70-130	NA	0-60	L	FM
	10001	DICOFOL	ND	3.65		2	ug/L	183	NA	70-130	NA	0-50	N1 L	,FM
	10001	MALATHION	ND	1.04		1 .	ug/L	104	NA	70-130	NA	0-60	l	FM
	10001	PARATHION-ETHYL	ND	0.88		1	ug/L	88	NA	70-130	NA	0-60	L	.FM
	10001	PHOSMET	ND	2.39		2	ug/L	120	NA	70-130	NA	0-50	L	FM
	10001	TRIADIMEFON	ND	0.92		1	ug/L	92	NA	70-130	NA	0-50	t	FM
	10001	TRIFLUMIZOLE	ND	1.35		2	ug/L,	68	NA	70-130	NA	0-50	N1 I	.FM
	10001	METHIDATHINON	ND	2.95		2	ug/L	148	NA	70-130	NA	0-50	N1 I	.FM
	10001	MYCLOBUTANIL	ND	2.52		2	ug/L	126	NA	70-130	NA	0-50	1	.FM
531_080416														
-	9810	OXYMAL	ND	9.2	9.1	10	ug/L	92	91	70-130	1.1	0-50	· 1	FM
	9810	CARBOFURAN	ND	7.8	8	10	ug/L	78	80	70-130	2.5	0-50	l	FM
	9810	ALDICARB SULFOXIDE	ND	7	7.2	10	ug/L	70	72	70-130	2.8	0-50	l	FM
	9610	ALDICARB SULFONE	NĎ	8.1	8.3	10	ug/L	81	83	70-130	2.4	0-50	l I	FM
	9610	METHOMYL	ND	8.8	8.7	10	ug/L	88	87	70-130	1.1	0-50	I	.FM
	9810	3-HYDROXYCARBOFURAN	ND	8.3	9	10	ug/L	83	90	70-130	8.1	0-50	I	FM
	9810	ALDICARB	ND	8.3	8.6	10	ug/L	83	88	70-130	5.8	0-50	I	.FM
	9810	CARBARYL	ND	9.6	9.9	10	ug/L	96	99	70-130	3.1	0-50	I	.FM

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%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated



Matrix Spike

Page 6 of 6 Reference Number: 08-04630 Report Date: 5/9/2008

matrix	Spike	•			Duplical	le								
		•	المادين بر مو يعيده ا	Spike	Spike	Spike		Perce	nt Recovery				QC	
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Qualifier	Comments
	9810	PROPOXUR (BAYGON)	ND	8.5	9	10	ug/L	85	90	70-130	5.7	0-50	LFM	
	9810	METHIOCARB	ND	8.6	6.9	10	ug/L	86	89	70-130	3,4	0-50	LFM	
COD_08041	5													
	10025	CHEMICAL OXYGEN DEMAND	12	65	64	50	mg/L	106	104	80-120	1.9	0-60	LFM	•
	10035	CHEMICAL OXYGEN DEMAND	15	63	61	50	mg/L	96	92	80-120	4.3	0-60	LFM	
	10199	CHEMICAL OXYGEN DEMAND	15	61	63	50	mg/L	92	96	80-120	4.3	0-60	LFM	
	10205	CHEMICAL OXYGEN DEMAND	ND	51	52	50	mg/L	102	104	80-120	1.9	0-60	LFM	
D080423A												*		
	9787	BROMATE	ND	0.0106		0.010	mg/L	106	NA	75-125	NA	0-60	LFM	
D080425A														
	10113	BROMATE	0.0025	0.0126J	I	0.010	mg/L	101	NA	75-125	NA	0-60	LFM	
1080410A														
	10022	NITRATE-N	ND	0.99		1.00	mg/L	- 99	NA	80-120	NA	0-60	LFM	
	10022	CHLORIDE	3.9	4.6		1.00	mg/L	90	NA	80-120	NA	0-60	LFM	
	10023	CHLORIDE	31	51		20.00	mg/L	100	NA	80-120	NA	0-60	LFM	
	10030	CHLORIDE	122	139		20.00	mg/L	85	NA	80-120	NA	0-60	LFM	
	10058	NITRATE-N	ND	1.03	÷	1.00	mg/L	103	NA	80-120	NA	0-60	LFM	
OPHOS-080	410													
		ORTHO-PHOSPHATE	0.04	1.08	1.06	1.00	mg/L	104	102	70-130	1.9	0-50	LFM	
	10018	ORTHO-PHOSPHATE	0.04	1.11	1.11	1.00	mg/L	107	107	70-130	0.0	0-50	LFM	

Devoltante

%RPD = Relative Percent Difference

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NA = Indicates %RPD could not be calculated



Qualifier Definitions

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

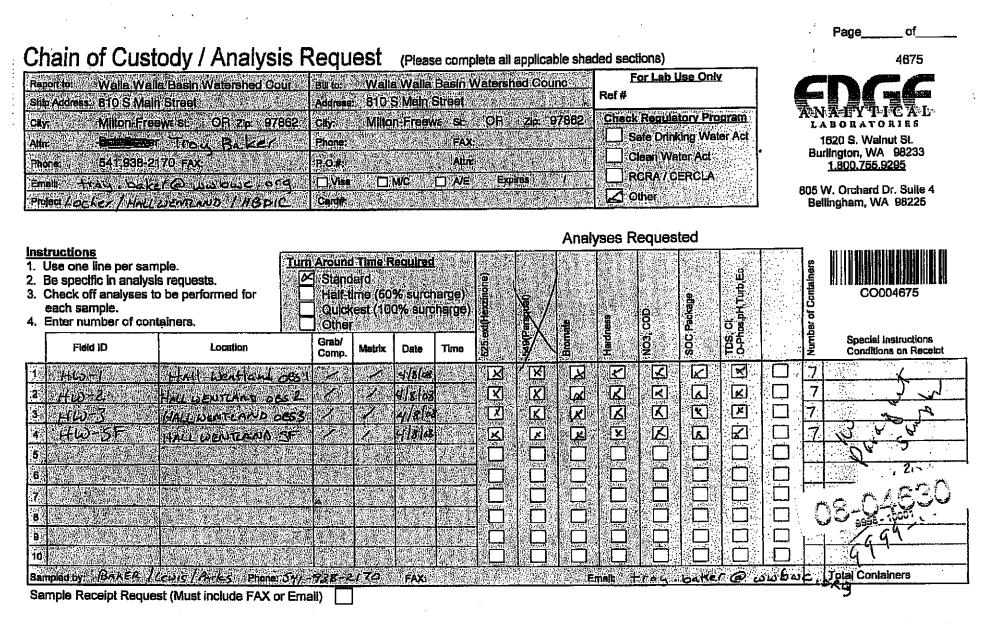
Page 1 of 1

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Definition
Data is "suspect", the field duplicate sample does not agree.
Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
Low recovery can not be accounted for. No sample detections so no further action for this analysis batch.
Matrix spike shows a possible matrix induced bias. The LFB was within acceptance limits, results for this compound are suspect.
Acceptance limits have not been established, the limits listed are for guidance only.

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



Relinguished by	Date	Time	Received by		Date	Time	Custody seals intact	Yes	No	N/A
		1480 (C. 1999) 1997 - Maria Maria	-1/hu	10L	4/ 10/0	19:36	Sample tempC satisfactory			
			enter anno 1997. Riske anno 1997 a Pri				Samples received intact			
			1.94.10.10.10.10.10.10				Chain of custody & labels agree			

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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 Nun	nber: 15130					•		Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analysi	Betch	Comme
14797-55-8	NITRATE-N	0.87	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	50	ND3NO2-080528	
16887-00-6	CHLORIDE	4.6	0.1	0.012	mg/L	1.0	300.0	6/28/2008	Ы	ID80528A	
E-10173	TOTAL DISSOLVED SOLIDS	188	10		mg/L	\$.0	SM2540 C	6/2/2006	CCN	TD6_080602	
15541 -45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/11/2008	MVP	317_960611A	
E-11778	HARDNESS	112	3.30	0.055	mg CaCt	1.0	200.7	5/30/2008	e)	200.7-080530A	
E-101 17	CHEMICAL OXYGEN DEMAND	21	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2000	MAK	COD_080504	
E-10139	HYDROGEN ION (pH)	7.50			pH Units	1.0	SM4500-H+ 8	67211/2008	CCN	PH_050528	
E-101 84	ELECTRICAL CONDUCTIVITY	298	10		uS/cm	1.0	SM2510 B	8/2/2008	CCN	EC_080502	
E-10617	TURBIDITY	4.11	0.05	0.02	NTU	1.0	18D.1	\$/28/2008	CCN	TURB_000528	
1 <b>4265-44-</b> 2	ORTHO-PHOSPHATE	0.24	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	\$C	OPHOS-080525	
Lab Nun	nber: 15131 Sam	ole Descripti	on: HW#1	- Hall Wet	land			Sample	Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Batch	Comme
14797-55-8	NITRATE-N	1.03	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/25/2006	80	ND3NO2-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.D	6/12/2008	MVP	317_080612A	
E-11778	HARDNESS	61.2	3.30	0.055	mg CaC	( 1.0	200.7	6/30/2008	₿J	200.7-080530A	
E-101 17	CHEMICAL OXYGEN DEMAND	ND	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_050504	
E-10139	HYDROGEN ION (pH)	6.75			pH Units	i 1.0	SM4500-H+ B	6/28/2008	CCN	PH_060526	
E-10184	ELECTRICAL CONDUCTIVITY	163	10		uS/cm	\$.Q	SM2510 B	6/2/2008	CCN	EC_080902	
E-10617	TURBIDITY	0.56	0.05	0.02	NTU	1.0	160.1	6/28/2008	CEN	TURB_000520	
16887-00-8	CHLORIDE	2.4	0.1	0.012	mg/L	1.0	300.0	5/28/2008	B1	1060528A	
E-10173	TOTAL DISSOLVED SOLIDS	122	10		mg/L	1.0	8M2540 C	5/2/2008	ÇCN	TD6_080802	
14265-44-2	ORTHO-PHOSPHATE	0.24	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	80	OPHO6-060528	
Lab Nun	 nber: : 15132 Sam	ple Descripti	ion: HW #	2 - Hall We	atiand			Sample	e Date:	5/27/2008	
CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analy	st Batch	Comm
14797-55-8	NITRATE-N	0.84	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2005	90	NO3NO2-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/12/2008	MVP	317_080612A	
E-11778	HARDNESS	48.6	3.30	0.055	mg CaC	X 1.0	200.7	5/30/2008	ÐJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	12	8.0	2.0	mg/L	1.0	SM5220 D	644/2000	MAK	COD_080804	
E-10139	HYDROGEN ION (pH)	6.61			pH Units	5 1.0	SM4500-H+ B	5/28/2008	CCN	PH_060526	
E-10184	ELECTRICAL CONDUCTIVITY	135	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080502	
E-10617	TURBIDITY	1.24	0.05	0.02	NTU	1,0	180.1	5/26/2008	CCN	TUR8_080528	
16887-00-6	CHLORIDE	1.6	0.1	0.012	mg/L	1.0	300.0	6/26/2009	Ð	105052BA	
E-10173	TOTAL DISSOLVED SOLIDS	112	10		mg/L	1.0	SM2540 C	6/2/2005	CCN	TDS_060602	
		0.25	0.01	0.005	mg/L	10	SM4500-P F	5/28/2008	80	OPHOS-060528	

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine feboratory operating conditions. WSDOE Lab C1251 ND = Not detected above the listed practical quantilation limit (PQL) or not above the Method Detection Limit (MDL), if requested. WSDOH Lab 046 D.F. - Dilution Factor



Page 4 of 4 Reference Number: 08-07095 Report Date: 6/16/2008

## Data Report

Collected By: T. Baker

Date Received: 5/28/2008

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CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analys	t Baich	Comme
14797-55-8	NITRATE-N	1.11	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	6D	N03N02-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.D	0/12/2008	MVP	317_000612A	
E-11778	HARDNESS	61.8	3.30	0.055	mg CaCi	1.0	200.7	5/30/2906	BJ	200,7-080550A	
E-10117	CHEMICAL OXYGEN DEMAND	10	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2005	MAK	COD_680604	
E-10139	HYDROGEN ION (pH)	6.74	•		pH Units	1.0	SM4500-H+ B	5/29/2008	CCN	PH_080528	
E-10617	TURBIDITY	8.45	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
16887-00-6	CHLORIDE	2.3	0.1	0.012	mg/L	1.D	300.0	5/26/2006	ព	1080528A	
E-10173	TOTAL DISSOLVED SOLIDS	120	10		mg/L	1.0	SM2540 C	6/2/2006	CCN	TD5_080602	
14265-44-2	ORTHO-PHOSPHATE	0.23	0.01	0.005	mg/L	10	SM4500-P F	6/28/2008	50	OPH08-030528	
E-10184	ELEGTRICAL CONDUCTIVITY	152	10		uS/cm	1.C	SM2510 B	8/13/2008	CCN	EC_080613	

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 fisted practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested. WSDOE Lab C1251 WSDOH Lab 048 -D.F. - Dilution Factor

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Page 1 of 1

Reference Number: 08-07095

## DATA REPORT

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

Lab Number: 04615131 Project: Locker/Hall Wetland/HBBIC Report Date: 6/10/2008 Field ID: HW#1 Date Analyzed: 6/9/2008 Sample Description: Hail Wetland Extraction Date: 508\_080609-Sampled By: T. Baker Analyst: GEB Sample Date: 5/27/2008 Peer Review: Source Type: Analytical Method: 508.1 Sample: Phone: Synthetic Organics COMMENT MDL MCL CAS COMPOUND RESULTS Units PQL PCBs/Toxaphene 0.5 0.2 1336-36-3 PCBS (Total Arociors) ND ug/L 0.1 0.1^ 11104-28-2 AROCLOR 1221 ND ug/L ND 0.1 0.1^ 11141-16-5 AROCLOR 1232 ug/L 0.1 0.1^ 53469-21-9 AROCLOR 1242 ND ug/L 0.1^ ND 0.1 ug/L 12672-29-6 AROCLOR 1248 0.1 0.1^ 11097-69-1 AROCLOR 1254 NÐ ug/L 0.08 0.1 ND ug/L 11096-82-5 AROCLOR 1260 0.1 0.1 12674-11-2 AROCLOR 1016 ND ug/L 0.5 3 1 8001-35-2 TOXAPHENE ND ug/L ÷

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

MCL- Maximum Contaminent Level, maximum permissible level of a contermental 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 concertation of the standard enalyzed during the initial calibra

ad can be measured and reported with B9% confidence that the compound concentration is greater than zero. MDL - Method Detection Limit is the lab's minimum concentration a comp J - Estimated value,



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Page 1 of 1

Reference Number: 08-07095

## DATA REPORT

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

Lab Number: 04615132 Project: Locker/Hall Wetland/HBBIC Report Date: 6/10/2008 Field ID: HW #2 Date Analyzed: 6/9/2008 Sample Description: Hall Wetland Extraction Date: 508\_080609 Sampled By: T. Baker Analyst: GEB Sample Date: 5/27/2008  $\overline{\sim}$ Peer Review: Source Type: Analytical Method: 508.1 Sampler Phone: Synthetic Organics MDL MCL COMMENT CAS COMPOUND RESULTS Units PQL PCBs/Toxaphene ND 0.2 0.5 1336-36-3 PCBS (Total Aroclors) ug/L 0.1^ 0.1 11104-28-2 AROCLOR 1221 ND ug/L 0.1 0.1^ ND 11141-16-5 AROCLOR 1232 ug/L 0.1 0.1^ 53469-21-9 AROCLOR 1242 ND ug/L ; ND **0.**1 0.1^ 12672-29-6 AROCLOR 1248 ug/L 0.1^ ND 0.1 11097-69-1 AROCLOR 1254 ug/L 11096-82-5 AROCLOR 1260 ND ug/L 0.1 0.08 0.1 0.1 ND 12674-11-2 AROCLOR 1016 ug/L 0.5 3 8001-35-2 TOXAPHENE ND 1 ug/L

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, NPDVRL. State Advisory Level (SAL) for Unregulated compounds.

A blank MCL or SAL value indicates a level is not currently established. POL - Prectical Quantitation Limit is the concentration of the standard analyzed during the initial calibration. MDL - Mathed 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.



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Page 1 of 1

Reference Number: 08-07095

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## DATA REPORT

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

ų	Project: Field ID: Sample Description: Sampled By: Sample Date: Source Type: Sampler Phone:	Hall Wetland T. Baker	I/HBBIC			i Da Extr	Report Date: te Analyzed: raction Date:	
CAS	COMPOUND		RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene							
1336-36-3	PCBS (Total Araciors)		ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221		ND	ug/L	0.1	0.1^		
11141-1 <del>6-</del> 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	ид/L	0.1	0.1^	•	
1109 <b>7-69</b> -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	ŧ	ND	ug/L	1	0.5	3	

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

MEL- Maximum Centantina M Level, maximum permissible level of a contaminant in water established by EPA, NPDVR. 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 like concentration of the standard analyzed during the Initial calibration. MDL - Mathed Detection Limit is the tab's minimum concentration a compound can be measured and reported with 99% candidence that the compound concentration is gnater than zero. J - Enimated value.



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Page 1 of 1

Reference Number: 08-07095

1

## CARBAMATES IN DRINKING WATER

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

Project: Locker/Hall Wetland/HBBIC Lab Number: 04615131 Field ID: HW#1 Report Date: 6/16/2008 Sample Description: Hall Wetland Date Analyzed: 6/11/2008 Sampled By: T. Baker Extraction Date: 531 080611 Sample Date: 5/27/2008 Analyst: CO Source Type: Peer Review: MVA Sampler Phone: Analytical Method: 531.2 Carbamates CAS COMPOUND RESULTS Units MDL COMMENT POL MCL **EPA Regulated** 23135-22-0 OXYMAL ND 1.0 . 0.81 200 ug/L 1563-66-2 CARBOFURAN ND 40 ug/L 1.0 0.87 **EPA Unregulated** 1646-87-3 ALDICARB SULFOXIDE ND սց/Լ 1.0 0.71 1646-88-4 ALDICARB SULFONE ND 1.0 0.83 ug/L 16752-77-5 METHOMYL ND 1.0 0.86 ug/L 16655-82-6 3-HYDROXYCARBOFURAN ND 1.0 1.0 ug/L 116-06-3 ALDICARB ND 1.0 0.88 ug/L 63-25-2 CARBARYL ND ug/L 1.0 0.53 State Unregulated - Other 1**14-26-1** PROPOXUR (BAYGON) ND 1.0 0.72 ug/L 2032-65-7 METHIOCARB ND 1.0 0.76 ug/L

NO = Not detected above the Ested practical quantitation limit (POL) or solt above the Method Detection Limit (MDL). If requested,

MCL- Maximum Centerniment Level, maximum permissible tevel of a contactinent in water established by EPA, NPCVR, State Advisory Level (SAL) for Unregulated compounds. MCL. Maximum Centeminent Level, maximum permassion revel of a conservation at wave execution of a A blank MCL or SAL value indicates a level is not currently established. POL - Practical Quantitation Limb is the concentration of the standard analyzed during the Initial calibration

MDL - Method Delection Limit is the lab's minimum conc bund can be measured and reported with 99% confidence that the compound concentration is cuester than zero J - Estimated value.



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Page 1 of 1

Reference Number: 08-07095

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## CARBAMATES IN DRINKING WATER

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

<b>х</b>	Project: Field ID: Sample Description: Sampled By: Sample Date: Source Type: Sampler Phone:	Hall Wetland T. Baker	d/HBBIC			Da Ext	Report Date: ate Analyzed:	6/11/2008 531_080611 CO MVA	
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	L	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-HYDROXYCARBOFU	RAN	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	l - 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 Dataction Limit (MDL), if requested.

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. 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. MCL - Method Detection Limit is the latis minimum concentration a compound can be measured and reported with 89% confidence that the compound concentration b greater than zero. J - Estimated value.



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Page 1 of 1

Reference Number: 08-07095

- 5

## CARBAMATES IN DRINKING WATER

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

Project: Locker/Hall Wetland/HBBIC Lab Number: 04615133 Field ID: HW #3 Report Date: 6/16/2008 Sample Description: Hall Wetland Date Analyzed: 6/11/2008 Sampled By: T. Baker Extraction Date: 531 080611 Sample Date: 5/27/2008 Analyst: CO Source Type: Peer Review: MUA Sampler Phone: Analytical Method: 531.2 Carbamates COMPOUND COMMENT CAS RESULTS Units MDL MCL PQL **EPA Regulated** 23135-22-0 OXYMAL ND 0.81 200 ug/L 1.0 . 1563-66-2 CARBOFURAN ND ug/L 1.0 0.87 40 **EPA Unregulated** 1646-87-3 ALDICARB SULFOXIDE ND 1.0 0.71 ug/L 1.0 0.83 1646-88-4 ALDICARB SULFONE ND ug/L 0.86 16752-77-5 METHOMYL 1.0 ND ug/L 16655-82-6 3-HYDROXYCARBOFURAN 1.0 ND 1.0 ug/L 116-06-3 ALDICARB ND 1.0 0.88 ug/L 63-25-2 CARBARYL 1.0 0.53 ND ug/L State Unregulated - Other 114-26-1 0.72 PROPOXUR (BAYGON) ND ug/L 1.0 2032-65-7 METHIOCARB ND 1.0 0.76 ug/L

NO = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), it 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 currantly established. POL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibrati

MOL - Method Delection Limit is the lab's minimum or und can be measured and reported with 99% confidence that the compound concentration is preater than zero. J - Estimated value,



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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: 08-07095

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	•	Project: Field ID: Sample Description: Sampled By: Sample Date: Source Type: Sampler Phone:	Hall Wetland T. Baker	I/HBBIC			R Data Extra Pi	eport Date: e Analyzed:	6/17/2008 515_080602~ CO	
_	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	PENTACHLOROPHENO	L.	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 & Metabo	liles)	ND	ug/L	0.1	0.089			
	E-14-02-8	DCPA (ACID METABOLI	TES)	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 - DICHLOROBENZOI	C ACID	ND	ug/L	0.1	0.044			

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

MCL- Maximum Contaminant Level, maximum pomissible level of a contaminant in water established by EPA, NPOWR. 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 utandard analyzed during the initial calibration. NDL - Method Detection 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. J - Estimated value.



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Page 1 of 1

Reference Number: 08-07095

- 1

## HERBICIDES IN DRINKING WATER

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

> Project: Locker/Hall Wetland/HBBIC Lab Number: 04615132 Field ID: HW #2 Report Date: 6/26/2008 Sample Description: Hall Wetland Date Analyzed: 6/18/2008 Sampled By: T. Baker Extraction Date: 515 080602 Sample Date: 5/27/2008 Analyst: CO Source Type: Peer Review: MVA Sampler Phone: Analytical Method: 515.1 Chlorophenoxy Herbicides COMPOUND RESULTS MDL COMMENT Units MCL PQL **EPA Regulated** 2,4 - D ND 70 0.2 0.11 ug/L

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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
7 <b>5-99</b> -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	ua/L	0.1	0.044	

ND = 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. Blate Advisory Level (BAL) for Unregulated compounds A blank MCL or SAL value indicates a level is not currently established. POL - Predictal Classifiation Limit is the concentration of the standard analyzed during the initial calibration. MDL- Method Detection Limit is the table minimum concentration is compound can be measured and reported with 99% confidence that the compound concentration is greater that nce that the compound concentration is greater than zero J - Failmated value.

CAS

94-75-7



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Page 1 of 1

Reference Number: 08-07095

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## HERBICIDES IN DRINKING WATER

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

Project: Locker/Hall Wetland/HBBIC Leb Number: 04615133 Report Date: 6/19/2008 Field ID: HW #3 Date Analyzed: 6/17/2008 Sample Description: Hall Wetland Extraction Date: 515 080602<sup>-</sup> Sampled By: T. Baker Analyst: CO Sample Date: 5/27/2008 Peer Review: MVA Source Type: Sampler Phone: Analytical Method: 515.1 Chlorophenoxy Herbicides COMMENT MDL MCL. CAS COMPOUND RESULTS Units POI. EPA Regulated 70 94-75-7 2,4 - D ND ug/L 0.2 0.11 50 0.1 0.02 93-72-1 2,4,5 - TP (SILVEX) ND ug/L 0.1 0.044 1 87-86-5 PENTACHLOROPHENOL ND ug/L 0.80 200 DALAPON ND 1.3 75-99-0 ua/L 0.16 7 0.2 88-85-7 ND DINOSEB ug/L 0.1 0.089 500 1918-02-1 PICLORAM ND ug/L **EPA Unregulated** 0.045 ND ug/L 0.1 1918-00-9 DICAMBA State Unregulated 0.1 0.089 ND ug/L 1861-32-1 TOTAL (DCPA & Metabolites) 0.1 0.1 ND E-14-02-8 DCPA (ACID METABOLITES) ug/L 0.8 0.10 94-82-6 2,4 DB ND ug/L 0.044 93-76-5 ND ug/L 0.1 2.4.5 T 0.2 0.067 25057-89-0 BENTAZON ND ug/L 0.3 0.089 120-36-5 DICHLORPROP ND ug/L 0.1 0.089 ND 50594-66-6 ACIFLUORFEN ug/L 0.2 0.2 ND 133-90-4 CHLORAMBEN ug/L 0.044 **D** 1 51-36-5 3.5 - DICHLOROBENZOIC ACID ND ug/L

ND = Net detected abave the lated practical geometration finit (PCL) or net above the Method Detection Linet (MDL), If requested.

MCL- Mindment Contentionent Level, maximum permissible level of a contentionent in water established by EPA, NPOWIR. Basie Advisory Level (BAL) for Unregulated co

A blank MCL or SAL value indicates a level is not currently established. PQL - Practical Quantization Limit is the concentration of the standard analyzed during the lettle) culturation.

MDL - Method Detection Limit is the lab's minimum concentr nd can be n easured and reported with 99% confidence that the compound concentration is greater than zero. dien a co J - Estimated value.



 
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Page 1 of 1

## DATA REPORT

Client Name:	Walla Walia Basin Wate 810 S Main Street Milton-Freewater, OR 9		il		Refe			08-07095 Locker/Hall	Wetland/HBBIC	
Lab Number:	15131 -					Repor	t Date:	6/16/2008		
Field ID:	HW#1					Date Ana	alyzed:	6/13/2008		
Sample Description:	Hall Wetland					A	nalyst	GEB	Э	
Matrix:	Water					Peer R	eview:			
Collect Date:	5/27/2008				An	alytical M	ethod:	549.2 🤇		
Extraction Date: Extraction Method:										
٠.			Paraq	uat					-	
CAS ID#COMP	DUNDS	RESULT	_Flag	Units	PQL	MDL	<u>D.F.</u>	Batch	COMMENT	
1910-42-5 PARAQ	UAT	ND		ug/L	2	1.0	1.0	549_080603		

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

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Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet. ND - indicates the compound way not delected above the POL or NOL.

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



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Page 1 of 1

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## DATA REPORT

Client Name:	Walla Walla Basin Wate 810 S Main Street Milton-Freewater, OR 9		iſ		Refe			08-07095 Locker/Hall	Wetland/HBBIC
Lab Number;	15132					Report	t Date:	6/16/2008	
Field ID:	HW #2				1	Date Ana	alyzed:	6/13/2008	
Sample Description:			•				-	GEB	•
Matrix:	Water					Peer R		$\sim$	
Collect Date:	5/27/2008				Ana	ilytical M	ethod:	549.2	
Extraction Date:	6/3/2008								
Extraction Method:	3535								-
			Parag	uat					
CAS ID# COMP	OUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
1910-42-5 PARAQ	UAT	ND		ug/L	· 2	1.0	1.0	549_080603	

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

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

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ND - indicates the compound was not detected above the POL 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. - Dikution Factor.



 
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WSDOE Lab C1251

Page 1 of 1

## DATA REPORT

Client Name:	Walla Walla Basin Water 810 S Main Street Milton-Freewater, OR 97		il		Refe			08-07095 Locker/Hall	Wetland/HBBIC	
Lab Number:	15133					Repor	t Date:	6/16/2008		
Field iD:	HW #3					-		6/13/2008		
Sample Dascription:	Hall Wetland					A	nalyst:	GEB	>	
Matrix:	Water					Peer R	-	<u></u>		
Collect Date:	5/27/2008				An	alytical M	lethod:	549.2		
Extraction Date: Extraction Method:						-				
ι			Parag	uat					-	-
CASID# COMP	OUNDS	RESULT	_Flag	Units	PQL	MDL	D.F.	Batch	COMMENT	
1910-42-5 PARAQ	UAT	ND		ug/L	2	1.0	1.0	549_080603		

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 $\omega_{ij}^{*}$ .

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

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

Flags are total qualities, 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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Page 1 of 2

Reference Number: 08-07095

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

> Lab Number: 15131 Project: Locker/Hall Wetland/HBBIC Report Date: 7/3/2008 Field ID: HW#1 Date Analyzed: 6/16/2008 Sample Description: Hall Wetland Extraction Date: 525\_080609 Sampled By: T. Baker Analyst: CO Sample Date: 5/27/2008 Peer Review: MVA Source Type: Analytical Method: 525.2 Sampler Phone: Synthetic Organics COMMENT LAPSI MACI -----

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 51
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	<b>0.</b> 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	وأنعا	
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 = Het detected above the isled practical quantitation limit (POL) or not above the Method Detection Limit (MDL), if requested

AHCL- Meximum Contaminent Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. Bate Advisory Level (BAL) for Unrepulsied campounds.

A blank MCL or GAL value indicates a level is not currently established. POL - Practicel Countriation Limit is the concentration of the standard analyzed during the initial calibration.

MEL - 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: 15131 Report Date: 7/3/2008

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# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

333-41-5         DAZINON         ND         upt         0.1         0.025         Unstable in Actified Sample Metrix,           769-04-4         EPTC         ND         upt         0.1         0.028           725-44         44-DDD         ND         upt         0.1         0.024           72-55-9         44-DDE         ND         upt         0.1         0.022           21725-46-2         CYANAZINE         ND         upt         0.1         0.024           50-28-3         44-DDT         ND         upt         0.1         0.024           50-28-3         44-DDT         ND         upt         0.1         0.022           21725-5         MALATHION         ND         upt         0.1         0.022           1582-09-8         TRIFLURALIN         ND         upt         0.1         0.024           -         -         PAHs         -         -         -           81-20-3         NAPTHALENE         ND         upt         0.1         0.025           208-96-8         ACENAPHTHYLENE         ND         upt         0.1         0.025           205-99-2         BENZQINFLINGRANTHENE         ND         upt         0.1	CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
72-54-84.4-DDCNDUQA0.10.02472-55-94.4-DDENDUQA0.10.02450-28-34.4-DDTNDUQA0.10.02221725-64-2C'AMAZNENDUQA0.10.13Cualitative Analysis Only121-75-5MALATHIONNDUQA0.10.02265:38-2PARATHIONNDUQA0.10.0221582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.0241582-06-8TRIFLURALINNDUQA0.10.026208-96-8ACENAPHTHYLENENDUQA0.10.012158-55-3BENZO(K)FLUCRANTHENENDUQA0.10.022205-99-2BENZO(K)FLUCRANTHENENDUQA0.10.022206-99-2BENZO(K)FLUCRANTHENENDUQA0.10.022207-99BENZO(K)FLUCRANTHENENDUQA0.10.022207-99BENZO(K)FLUCRANTHENENDUQA0.10.022207-99BENZO(K)FLUCRANTHENENDUQA <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 Acidilled Sample Matrix</td></td<>	333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidilled Sample Matrix
72-85-9       4.4-DDE       ND       ugL       0.1       0.024         50-29-3       4.4-DDT       ND       ugL       0.1       0.022         21725-46-2       CYANAZINE       ND       ugL       0.1       0.13       Cualitative Analysis Only         121-75-5       MALATINEN       ND       ugL       0.1       0.022         1582-06-3       TIRI-URALIN       ND       ugL       0.1       0.022         1582-06-3       NAPTHALENE       ND       ugL       0.1       0.022         1582-06-3       NAPTHALENE       ND       ugL       0.1       0.026         6673-7       FLUORENE       ND       ugL       0.1       0.026         20696-8       ACENAPHTHYLENE       ND       ugL       0.1       0.021         2012-7       ATTRACENE       ND       ugL       0.1       0.012         205-99-2       BENZO(G) HUPERVLENE       ND       ugL       0.1       0.022         206-99-2       BENZO(G) HUPERVLENE       ND       ugL       0.1       0.022         207-09-3       BENZO(G) HUPERVLENE       ND       ugL       0.1       0.022         207-09-3       BENZO(G) HUPERVLENE <td< td=""><td>759-<b>9</b>4-4</td><td>EPTC</td><td>ND</td><td>ug/L</td><td>0.1</td><td>0.028</td><td></td><td></td></td<>	759- <b>9</b> 4-4	EPTC	ND	ug/L	0.1	0.028		
50-28-3       4.4 DD       ND       ug1,       0.1       0.022         21725-46-2       CYANAZINE       ND       ug1,       0.1       0.015         56-38-2       PARATHION       ND       ug1,       0.1       0.022         1582-08-8       TRIFLURALIN       ND       ug1,       0.1       0.022         1582-08-8       TRIFLURALIN       ND       ug1,       0.1       0.024         -       -       -       -       -       -         91-20-3       NAPTHALENE       ND       ug1,       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug1,       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug1,       0.1       0.012         66-73-7       FLUORENE       ND       ug1,       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug1,       0.1       0.012         56-55-3       BENZ(AMTHRACENE       ND       ug1,       0.1       0.012         207-694       BENZO(S/FLUORANTHENE       ND       ug1,       0.1       0.022         219-1242       BENZO(S/FLUORANTHENE       ND       ug1,       0.1	72-54-8	4,4-DDD	ND	ugA.	0.1	0.024		
21725-46-2       CYANAZINE       ND       ug/L       0.1       0.13       Gualitative Analysis Only         121-75-5       MALATIHION       ND       ug/L       0.1       0.015         563-82-2       PARATHION       ND       ug/L       0.1       0.022         1582-08-8       TRIFLURALIN       ND       ug/L       0.1       0.024         -       -       -       -       -       -         91-20-3       NAPTHALENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHENE       ND       ug/L       0.1       0.012         208-96-8       ACENAPHTHENE       ND       ug/L       0.1       0.012         208-96-9       BENZQ(AJUNTHRACENE       ND       ug/L       0.1       0.026         207-08-9       BENZQ(ASPLUCRANTHENE       ND       ug/L       0.1       0.022         218-01-9       GRNYOSPLUCRANTHENE <td< td=""><td>72-55-9</td><td>4,4-DDE</td><td>ND</td><td>ug/L</td><td>0.1</td><td>0.024</td><td></td><td></td></td<>	72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
121-75-5       MALATHION       ND       ugL       0.1       0.015         56-38-2       PARATHION       ND       ugL       0.1       0.022         1582-09-8       TRIFLURALIN       ND       ugL       0.1       0.024         -       -PAHs       -       -       -         81-20-3       NAPTHALENE       ND       ugL       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ugL       0.1       0.026         208-96-8       ACENAPHTHENE       ND       ugL       0.1       0.026         208-97-7       FLUCRENE       ND       ugL       0.1       0.026         208-96-8       ACENAPHTHENE       ND       ugL       0.1       0.025         83-32-9       ACENAPHTHENE       ND       ugL       0.1       0.012         206-99-2       BENZO(GH)/IPERYLENE       ND       ugL       0.1       0.022         206-99-2       BENZO(GH,IJPERYLENE       ND       ugL       0.1       0.022         219-04-2       BENZO(GH,IJPERYLENE       ND       ugL       0.1       0.022         219-04-2       BENZO(GH,IJPERYLENE       ND       ugL       0.1       0.024 <td>50-29-3</td> <td>4,4-DDT</td> <td>ND</td> <td>ug/L</td> <td>0.1</td> <td>0.022</td> <td></td> <td></td>	50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
56-38-2       PARATHION       ND       ug/L       0.1       0.022         1582-09-3       TRIFLURALIN       ND       ug/L       0.1       0.024         91-20-3       NAPTHALENE       ND       ug/L       0.1       0.026         86-73-7       FLUORENE       ND       ug/L       0.1       0.025         83-32-9       ACEMAPHTHYLENE       ND       ug/L       0.1       0.025         83-32-9       ACEMAPHTHENE       ND       ug/L       0.1       0.012         56-55-3       BENZAMATHRACENE       ND       ug/L       0.1       0.012         56-55-3       BENZAGE/LUORANTHENE       ND       ug/L       0.1       0.025         207-08-9       BENZOG/KJLUORANTHENE       ND       ug/L       0.1       0.022         205-09-2       BENZOG/KJLUORANTHENE       ND       ug/L       0.1       0.025         207-08-9       BENZOG/KJLUORANTHENE       ND       ug/L       0.1       0.022         205-09-2       BENZOG/KJLUORANTHENE       ND       ug/L       0.1       0.022         207-08-9       BENZOG/KJLUORANTHENE       ND       ug/L       0.1       0.024         206-44-0       FLUORANTHENE	21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
1582-09-8       TNIFLURALIN       ND       ugL       0.1       0.024         1       -PAHs       -       -       -         81-20-3       NAPTHALENE       ND       ugL       0.1       0.14         86-73-7       FLUORENE       ND       ugL       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ugL       0.1       0.025         83-32-9       ACENAPHTHYLENE       ND       ugL       0.1       0.14         120-12-7       ANTHRACENE       ND       ugL       0.1       0.012         56-55-3       BENZ(AJANTHRACENE       ND       ugL       0.1       0.012         205-99-2       BENZO(A)HJPERYLENE       ND       ugL       0.1       0.012         205-99-2       BENZO(A)HJPERYLENE       ND       ugL       0.1       0.012         205-99-2       BENZO(A)HJPERYLENE       ND       ugL       0.1       0.025         207-08-9       BENZO(A)HJPERYLENE       ND       ugL       0.1       0.022         218-01-9       CHRYSENE       ND       ugL       0.1       0.024         205-44-0       FLUORANTHENE       ND       ugL       0.1       0.041 <td>121-75-5</td> <td>MALATHION</td> <td>ND</td> <td>ug/L</td> <td>0.1</td> <td>0.015</td> <td></td> <td></td>	121-75-5	MALATHION	ND	ug/L	0.1	0.015		
- PAHs       -         81-20-3       NAPTHALENE       ND       ugl.       0.1         86-73-7       FLUORENE       ND       ugl.       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ugl.       0.1       0.025         83-32-9       ACENAPHTHYLENE       ND       ugl.       0.1       0.14         120-12-7       ANTHRACENE       ND       ugl.       0.1       0.012         56-55-3       BENZ(AJANTHRACENE       ND       ugl.       0.1       0.012         205-99-2       BENZO(S)FLUORANTHENE       ND       ugl.       0.1       0.025         207-08-9       BENZO(G,H,I)PERYLENE       ND       ugl.       0.1       0.022         218-01-9       CHRYSENE       ND       ugl.       0.1       0.022         218-01-9       BENZO(A,HJANTHRACENE       ND       ugl.       0.1       0.024         218-01-9       CHRYSENE       ND       ugl.       0.1       0.024         218-01-9       FLUORANTHENE       ND       ugl.       0.1       0.040         313-30       IDBENZO(A,HJANTHRACENE       ND       ugl.       0.1       0.024         218-01-9       <	56-3 <b>8</b> -2	PARATHION	ND	ug/L	0.1	0.022		
91-20-3       NAPTHALENE       ND       ug/L       0.1       0.14         66-73-7       FLUORENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHENE       ND       ug/L       0.1       0.026         202-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         56-55-3       BENZQAJANTHRACENE       ND       ug/L       0.1       0.025         205-99-2       BENZQGJEJLUORANTHENE       ND       ug/L       0.1       0.026         207-06-9       BENZQAJANTHRACENE       ND       ug/L       0.1       0.022         218-01-9       CHRYSENE       ND       ug/L       0.1       0.024         218-01-9       GHRZO(A,HJANTHRACENE       ND       ug/L       0.1       0.024         205-44-0       FLUORANTHENE       ND       ug/L       0.1       0.024         205-44-0       FLUORANTHENE       ND       ug/L       0.1       0.024         205-44-0       FLUORANTHENE       ND	1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
66-73-7       FLUORENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.025         83-32-9       ACENAPHTHYLENE       ND       ug/L       0.1       0.012         120-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         56-55-3       BENZ(AJANTHRACENE       ND       ug/L       0.1       0.012         205-92-2       BENZO(BJFLUORANTHENE       ND       ug/L       0.1       0.025         191-24-2       BENZO(G,H,J)PERYLENE       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         218-01-9       CHRYSENE       ND       ug/L       0.1       0.022         218-01-9       CHRYSENE       ND       ug/L       0.1       0.024         206-44-0       FLUORANTHENE       ND       ug/L       0.1       0.040         85-01-6       PHENANTHRENE       ND       ug/L       0.1       0.022         129-00-0       PRENE       ND       ug/L	ι.	- PAHs						-
208-96-8         ACENAPHTHYLENE         ND         ug/L         0.1         0.025           83-32-9         ACENAPHTHENE         ND         ug/L         0.1         0.1^A           120-12-7         ANTHRACENE         ND         ug/L         0.1         0.012           56-55.3         BENZ(A)ANTHRACENE         ND         ug/L         0.1         0.012           205-92.2         BENZO(B)FLUORANTHENE         ND         ug/L         0.1         0.025           191-24.2         BENZO(G)H, UORANTHENE         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           218-01-9         BENZO(K)FLUORANTHENE         ND         ug/L         0.1         0.022           218-01-9         CHRYSENE         ND         ug/L         0.1         0.024           206-440         FLUORANTHENE         ND         ug/L         0.1         0.040           85-01-8         PHENANTHRENE         ND         ug/L         0.1         0.022           129-00-0         PYRENE         ND	91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
A3-32-9       ACENAPHTHENE       ND       ug/L       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       0.022         207-08-9       BENZO(A,HJANTHENE       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         205-44-0       FLUORANTHENE       ND       ug/L       0.1       0.024         206-44-0       FLUORANTHENE       ND       ug/L       0.1       0.040         85-01-8       INDENC(1,2,3-CD)PYRENE       ND       ug/L       0.1       0.015         129-00       PYRENE       ND       ug/L       0.1       0.016         129-00       PYRENE       ND       ug/L       0.1       0.022         - Phthalates       ND       ug/L       0.1       0.022 </td <td>86-73-7</td> <td>FLUORENE</td> <td>ND</td> <td>ug/L</td> <td>0.1</td> <td>0.026</td> <td></td> <td></td>	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(G,H,I)PERYLENE       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         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       0.040         85-01-8       PHENANTHRENE       ND       ug/L       0.1       0.040         85-01-8       PHENANTHRENE       ND       ug/L       0.1       0.022         -       PHTHAILATE       ND       ug/L       0.1       0.022         -       PHTHAL       ND       ug/L<	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(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,HJANTHRACENE       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       0.024         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       ug/L       0.1       0.022         85-68-7       BENZYL BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022         84-66-2       DIETHYL PHTHALAT	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)ANTHENACENE       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       0.022         129-00-0       PYRENE       ND       ug/L       0.1       0.040         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       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022	120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
191-24-2       BENZQ(G,H,I)PERYLENE       ND       ug/L       0.1       0.025         207-08-9       BENZQ(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       0.024         206-44-0       FLUORANTHENE       ND       ug/L       0.1       0.024         193-39-5       INDENC(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       0.022         84-76-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022         84-66-2       DIETHYL PHTHALATE       ND	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       0.040         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         85-68-7       BENZYL BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-74-2       DI-BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022	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^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       0.040         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       0.015         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       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022	191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
53-70-3       DIBENZO(A,H)ANTHRACENE       ND       ugA       0.1       0.024         206-440       FLUORANTHENE       ND       ugA       0.1       0.1^A         193-39-5       INDENO(1,2,3-CD)PYRENE       ND       ugA       0.1       0.040         85-01-8       PHENANTHRENE       ND       ugA       0.1       0.040         129-00-0       PYRENE       ND       ugA       0.1       0.015         129-00-0       PYRENE       ND       ugA       0.1       0.022         - Phthalates       ND       ugA       0.1       0.022         85-68-7       BENZYL BUTYL PHTHALATE       ND       ugA       0.1       0.022         64-74-2       DIN-BUTYL PHTHALATE       ND       ugA       0.1       0.022         84-66-2       DIETHYL PHTHALATE       ND       ugA       0.1       0.022	207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
206-44-0       FLUORANTHENE       ND       ug/L       0.1       0.1^4         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       0.022         84-74-2       DIN-BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022	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       ND       ug/L       0.1       0.022         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       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022	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       ND       ug/L       0.1       0.022         85-68-7       BENZYL BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-74-2       DIN-BUTYL PHTHALATE       ND       ug/L       0.1       0.025         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.044	206-44-0	FLUORANTHENE	NÐ	ug/L	0.1	0.1^		
129-00-0     PYRENE     ND     ugfL     0.1     0.022       - Phthalates     ND     ugfL     0.1     0.022       85-68-7     BENZYL BUTYL PHTHALATE     ND     ugfL     0.1     0.022       84-74-2     DI-N-BUTYL PHTHALATE     ND     ugfL     0.1     0.085       84-66-2     DIETHYL PHTHALATE     ND     ugfL     0.1     0.044	193-3 <del>9</del> -5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
- Phthalates     ND     ug/L     0.1     0.022       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		
- 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	1 <b>29-00-0</b>		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 ugn. 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		

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

NCL- Maximum Containing the two records quantitation many perphysical even of a containing in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds. A blank MCL or SAL value indicates a level is not commit yearbilished. PQL - Practical Committation Limit is the concentration of the standard analyzed during the initial calibration. NDL- Melhod Detection Limit is the tab's minimum concentration a compound can be theasured and reported with 99% confidence that the compound concentration is greater than zero. J - Estimated value.



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Page 1 of 2

Reference Number: 08-07095

## SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Lab Number: 15132 Project: Locker/Hall Wetland/HBBIC Report Date: 7/3/2008 Field ID: HW #2 Date Analyzed: 6/16/2008 Sample Description: Hall Wetland Extraction Date: 525\_080609 Sampled By: T. Baker Analyst: CO Sample Date: 5/27/2008 Peer Review: MVA Source Type: Analytical Method: 525.2 Sampler Phone: Synthetic Organics MDI. MCL. COMMENT CAS COMPOUND RESULTS Units POL **EPA Regulated** ND 0.1 0.030 2 72-20-8 ENDRIN ua/L 0.028 0.2 58-89-9 LINDANE (BHC - GAMMA) ND 0.1 ug/L 0.015 40 72-43-5 ND 01 METHOXYCHLOR ug/L 0.044 2 15972-60-8 ALACHLOR ND 0.1 ug/L 1912-24-9 0.1 0.030 3 ATRAZINE ND ug/L 0.1 0.012 0.2 50-32-8 **BENZO(A)PYRENE** ND ug/L 57-74-9 CHLORDANE, TECHNICAL ND ug/L 0.1 0.3 2 0.1 0.022 400 103-23-1 ND DI(ETHYLHEXYL)-ADIPATE ua/L 0.063 0.1 6 117-81-7 DI(ETHYLHEXYL)-PHTHALATE NO ug/L i 0.022 76-44-8 HEPTACHLOR ND սց/Լ 0.1 04 1024-57-3 HEPTACHLOR EPOXIDE ND ug/L 0.1 0.02 0.2 0.1 0.025 1 118-74-1 HEXACHLOROBENZENE ND ug/L 0.024 50 77-47-4 HEXACHLOROCYCLO-PENTADIENE ND ug/L 0.1 0.030 122-34-9 ND 0.1 4 SIMAZINE ug/L 0.4 0.08 screening only / compliance by 515.1 87-86-5 PENTACHLOROPHENOL ND ug/L 1 **EPA Unregulated** ND 0.1 0.022 309-00-2 ALDRIN ug/L 23184-66-9 BUTACHLOR ND 0.1 0.024 uo/L 0.031 0.1 60-57-1 DIELDRN ND uq/L 0.024 0.1 51218-45-2 METOLACHLOR ND ug/L ug/L 0.030 21087-64-9 METRIBUZIN ND 0.1  $\sim 1$ 1918-16-7 PROPACHLOR ND 0.1 0.031 ug/L State Unregulated - Other ND 0.1 0.031 314-40-9 BROMACIL սց/Լ 0.043 5902-51-2 TERBACIL ND ug/L 0.1

ND \* Not detected above the listed practical quantitation time (PQL) or not above the Method Detection Limit (HDL), if requested.

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

A blank MCL or SAL value indicates a level is not currently established. PQL - Practical Guarditation Limit is the concentration of the standard aselyzed during the initial calibration. MDL - Method Detection Limit is the laba minimum concentration is greater than zero. J - Estimated value



Reference Number: 08-07095 Page 2 of 2 Lab Number: 15132 Report Date: 7/3/2008

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## SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample 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- <b>29</b> -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- <b>38-2</b>	PARATHION	ND	ug/L	<b>0.</b> 1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
1	- PAHs						-
91-20-3	NAPTHALENE	ND	սց/Լ	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 <sup>·</sup>	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	<b>0.</b> 1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	<b>0.</b> 1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	<b>0.</b> 1	0.040		
85-01-8	PHENANTHRENE	NÐ	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		ND	ug/L	0.1	0.015		

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

MCL- Maximum Contaminant Level, reactinum 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. POL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial catibration. NDL - Method Detection Limit is the tat's minimum concentration is greater than zero. J - Estimated value.

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Page 1 of 2

Reference Number: 08-07095

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## SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

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

Lab Number: 15133 Project: Locker/Hall Wetland/HBBIC Report Date: 7/3/2008 Field ID: HW #3 Date Analyzed: 6/16/2008 Sample Description: Hall Wetland Extraction Date: 525\_080609 Sampled By: T. Baker Analyst: CO Sample Date: 5/27/2008 Peer Review: MVA Source Type: Analytical Method: 525.2 Sampler Phone: Synthetic Organics MDL MCL COMMENT CAS COMPOUND RESULTS Units PQL **EPA Regulated** ND 0.1 0.030 2 72-20-8 ENDRIN ug/L 0.028 0.2 58-89-9 LINDANE (BHC - GAMMA) ND 0.1 ug/L 0.015 40 0.1 72-43-5 METHOXYCHLOR ND ug/L 0.044 2 15972-60-8 ALACHLOR ND 0.1 ug/L 1912-24-9 0.1 0.030 З ATRAZINE ND ug/L 50-32-8 0.012 0.2 BENZO(A)PYRENE ND ug/L 0.1 57-74-9 ND ug/L 0.1 0.3 2 CHLORDANE, TECHNICAL 0.1 0.022 400 ND 103-23-1 DI(ETHYLHEXYL)-ADIPATE ug/L 0.063 117-81-7 0.1 6 DI(ETHYLHEXYL)-PHTHALATE ND ug/L ÷ 0.022 76-44-8 HEPTACHLOR ND ug/L 0.1 04 1024-57-3 HEPTACHLOR EPOXIDE ND ug/L 0.1 0.02 0.2 0.1 0.025 118-74-1 HEXACHLOROBENZENE ND ug/L 1 0.024 50 77-47-4 HEXACHLOROCYCLO-PENTADIENE ND ug/L 0.1 0.030 4 122-34-9 ND 0.1 SIMAZINE ug/L 0.4 0.08 1 87-86-5 PENTACHLOROPHENOL ND ug/L screening only / compliance by \$15.1 **EPA Unregulated** 0.1 0.022 309-00-2 ALDRIN ND ug/L ND 0.1 0.024 23184-66-9 BUTACHLOR ua/L 0.031 60-57-1 DIELDRIN ND ug/L 0.1 0.024 0.1 ND 51218-45-2 METOLACHLOR ug/L 0.030 21087-64-9 METRIBUZIN ND ug/L 0.1 1 PROPACHLOR ND 0.1 0.031 1918-16-7 ug/L State Unregulated - Other ND 0.1 0.031 314-40-9 BROMACIL ug/L 0.1 0.043 5902-51-2 TERBACIL ND ug/L

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

um Contaminent Level, maximum permissiple level of a contaminant in water established by EPA, NPOWR. State Advisory Level (SAL) for Unregulated compounds. MCL- Maxte

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: 08-07095 Page 2 of 2 Lab Number: 15133 Report Date: 7/3/2008

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## SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

759-944EPTCNDugl.0.10.02872-8434.4-DDNDugl.0.10.02472-8544.4-DDNDugl.0.10.02450-29.34.4-DDNDugl.0.10.022217254622YANAZINENDugl.0.10.13Cualibitive Analysis Only217255MALATHICNNDugl.0.10.13Cualibitive Analysis Only217255MALATHICNNDugl.0.10.0221882-09-8TRIFLURALINNDugl.0.10.0241862-09-8TRIFLURALINNDugl.0.10.0241862-09-8ACENAPHTHENENDugl.0.10.0241862-09-8CENAPHTHENENDugl.0.10.024208-09-8ACENAPHTHENENDugl.0.10.024208-09-8ACENAPHTHENENDugl.0.10.026208-09-8ACENAPHTHENENDugl.0.10.026208-09-8BENZQIGHLUGRANTHENENDugl.0.10.012208-09-9BENZQIGHLUGRANTHENENDugl.0.10.022218-01-9CHUCRANTHENENDugl.0.10.022218-01-9CHUCRANTHENENDugl.0.10.022218-01-9CHUCRANTHENENDugl.0.10.022218-01-9CHUCRANTHENENDugl.0.10.022218-01-9CHUCRANTHENENDugl.<	CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
72-54-8       4.4 DD       ND       upl.       0.1       0.024         72-55-9       4.4 DDE       ND       upl.       0.1       0.024         50-29-3       4.4 DDT       ND       upl.       0.1       0.022         21725-66-2       CYANAZINE       ND       upl.       0.1       0.015         21725-67-2       CYANAZINE       ND       upl.       0.1       0.022         21725-67-2       CYANAZINE       ND       upl.       0.1       0.015         66-38-2       PARATHION       ND       upl.       0.1       0.022         182-08-5       TRIFLURALIN       ND       upl.       0.1       0.024         *       -       PAHS       -       -       -         91-20-3       NAPTHALENE       ND       upl.       0.1       0.14         86-73-7       FLUORENE       ND       upl.       0.1       0.025         208-98-8       ACENAPHTHENE       ND       upl.       0.1       0.012         205-53-3       BENZQKB/FLUORANTHENE       ND       upl.       0.1       0.022         206-99-2       BENZQKB/FLUORANTHENE       ND       upl.       0.1       0.022	333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
72-57-9       4,4-DD       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       Gualitative Analysis Only         121-75-5       MALATHION       ND       ug/L       0.1       0.015         56-38-2       PARATHION       ND       ug/L       0.1       0.022         182-09-8       TIFLURALIN       ND       ug/L       0.1       0.024         66-73-7       FLUORENE       ND       ug/L       0.1       0.025         208-098-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.012         66-73-7       FLUORENE       ND       ug/L       0.1       0.025         208-098-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.012         205-09-2       BENZQIGFLUORANTHENE       ND       ug/L       0.1       0.025         207-08-9       BENZQIGFLUORANTHENE       ND       ug/L       0.1       0.022         207-09-9       BENZQIGFLUORANTHENE       ND       ug/L       0.1       0.022         218-01-9       CHRYSENE	759-94-4	EPTC	ND	ug/L	0.1	0.028		
SD-29-3       AL-DOT       ND       ugi.       0.1       0.022         21725-46-2       CYANAZINE       ND       ugi.       0.1       0.015         121-75-5       MALATHION       ND       ugi.       0.1       0.022         1262-09-8       TRIFLURALIN       ND       ugi.       0.1       0.022         1682-09-8       TRIFLURALIN       ND       ugi.       0.1       0.024         171-75-5       ARATHION       ND       ugi.       0.1       0.024         1682-09-8       TRIFLURALIN       ND       ugi.       0.1       0.024         1682-09-8       TRIFLURALIN       ND       ugi.       0.1       0.026         208-08-8       ACENAPHTHENE       ND       ugi.       0.1       0.025         208-09-8       ACENAPHTHENE       ND       ugi.       0.1       0.012         206-90-8       BENZ2(AMTHRACENE       ND       ugi.       0.1       0.025         207-09-9       BENZ2(AMTHRACENE       ND       ugi.       0.1       0.022         219-24-2       BENZ2(AMTHRACENE       ND       ugi.       0.1       0.022         219-04-9       CHRYSENE       ND       ugi.	72-54-8	4,4-DDD _	ND	ug/L	0.1	0.024		
ND       ug/L       0.1       0.13       Ousiliative Analysis Only         121725462       CYANAZINE       ND       ug/L       0.1       0.015         1217555       MALATHION       ND       ug/L       0.1       0.022         1582-09-8       TRIFLURALIN       ND       ug/L       0.1       0.024         *       -       PAHs        0.1       0.024         *       -       PAHs       0.1       0.024       0.14       0.024         *       -       PAHs        0.1       0.024       0.14       0.024         208-968       ACENAPHTHYLENE       ND       ug/L       0.1       0.025       0.14         201-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         205-99-2       BENZQIGHUBCRANTHENE       ND       ug/L       0.1       0.025         205-99-2       BENZQIGHUBCRANTHENE       ND       ug/L       0.1       0.022         205-99-2       BENZQIGHUBCRANTHENE       ND       ug/L       0.1       0.022         219-04-9       DENZQIGHUBCRANTHENE       ND       ug/L       0.1       0.022         219-04-9       DENZQIGHUBCRANTHENE	72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
121-75-5       MALATHION       ND       ug/L       0.1       0.015         565-3B-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         208-08-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.025         33-32-9       ACENAPHTHYLENE       ND       ug/L       0.1       0.012         65-53       BENZQIGH-LUORANTHENE       ND       ug/L       0.1       0.012         205-09-9       BENZQIGH-LUORANTHENE       ND       ug/L       0.1       0.012         205-09-9       BENZQIGH-LUORANTHENE       ND       ug/L       0.1       0.012         205-09-9       BENZQIGH-LUORANTHENE       ND       ug/L       0.1       0.025         207-08-9       BENZQIGH-LUORANTHENE       ND       ug/L       0.1       0.022         216-01-9       CHRYSENE       ND       ug/L       0.1       0.024         206-40       FULUORANTHENE       ND       ug/L<	50-2 <b>9</b> -3	4,4-DDT	ND	и <b>д/</b> L	0.1	0.022		
65-38-2       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       FLUDRENE       ND       ug/L       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.026         63-32-9       ACENAPHTHENE       ND       ug/L       0.1       0.026         63-32-9       ACENAPHTHENE       ND       ug/L       0.1       0.026         63-53       BENZ(AJANTHRACENE       ND       ug/L       0.1       0.012         205-96-2       BENZ(GJELUORANTHENE       ND       ug/L       0.1       0.022         207-06-3       BENZO(K)FLUORANTHENE       ND       ug/L       0.1       0.022         218-01-9       CHRYSENE       ND       ug/L       0.1       0.022         218-01-9       IDENZO(A,HJANTHRACENE       ND       ug/L       0.1       0.022         218-01-9       IDENZO(A,HJANTHRACENE       ND       ug/L	21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
1582-098       TRIFLURALIN       ND       ug/L       0.1       0.024         - PAHs       -	121-75-5	MALATHION	ND	սց/Լ	0.1	0.015		
· PAHs         91-20-3       NAPTHALENE       ND       ug/L       0.1       0.1^A         88-73-7       FLUORENE       ND       ug/L       0.1       0.026         208-96.8       ACENAPHTHYLENE       ND       ug/L       0.1       0.025         83-32-9       ACENAPHTHYLENE       ND       ug/L       0.1       0.14         120-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         66-55-3       BENZ(AJANTHRACENE       ND       ug/L       0.1       0.012         205-99-2       BENZO(GJ-LUORANTHENE       ND       ug/L       0.1       0.025         207-08-9       BENZO(GJ-LUORANTHENE       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       0.024         206-440       FLUORANTHENE       ND       ug/L       0.1       0.024         206-440       FLUORANTHENE       ND       ug/L       0.1       0.040         85-01-8       PHENANTHRENE       ND       ug/L       0.1       0.015         129-00-0       PYRENE	5 <b>6-38-</b> 2	PARATHION	ND	ug/L	0.1	0.022		
P1-20-3       NAPTHALENE       ND       ugA       0.1       0.1^A         86-73-7       FLUORENE       ND       ugA       0.1       0.026         208-96-8       ACENAPHTHYLENE       ND       ugA       0.1       0.025         83-32-9       ACENAPHTHENE       ND       ugA       0.1       0.1^A         120-12-7       ANTHRACENE       ND       ugA       0.1       0.012         66-55-3       BENZ(AJANTHRACENE       ND       ugA       0.1       0.025         205-99-2       BENZO(G,H.J)PERYLENE       ND       ugA       0.1       0.025         207-08-9       BENZO(G,H.J)PERYLENE       ND       ugA       0.1       0.025         218-01-9       CHRYSENE       ND       ugA       0.1       0.022         218-01-9       CHRYSENE       ND       ugA       0.1       0.024         205-440       FLUORANTHENE       ND       ugA       0.1       0.024         206-440       FLUORANTHENE       ND       ugA       0.1       0.040         85-01-8       PHENANTHENE       ND       ugA       0.1       0.040         85-01-8       PHENANTHENE       ND       ugA       0.1 </td <td>1582-09-8</td> <td>TRIFLURALIN</td> <td>ND</td> <td>ug/L</td> <td>0.1</td> <td>0.024</td> <td></td> <td></td>	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       ACENAPHTHYLENE       ND       ug/L       0.1       0.1^A         120-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         56-55-3       BENZ(GA)ANTHRACENE       ND       ug/L       0.1       0.012         205-92-2       BENZO(G,H,I)PERYLENE       ND       ug/L       0.1       0.025         191-24-2       BENZO(G,H,I)PERYLENE       ND       ug/L       0.1       0.022         207-08-9       BENZO(A,H)ANTHRACENE       ND       ug/L       0.1       0.022         218-01-9       CHRYSENE       ND       ug/L       0.1       0.022         206-44-0       FLUORANTHENE       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         -       -       DHENO(1.2.3-CD)PYRENE <td>•</td> <td>- PAHs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>	•	- PAHs						-
208-96-8       ACENAPHTHYLENE       ND       ug/L       0.1       0.025         83-32-9       ACENAPHTHENE       ND       ug/L       0.1       0.14         120-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         66-55.3       BENZ(AJANTHRACENE       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       0.022         207-08-9       BENZO(G,H,I)PERYLENE       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         207-08-9       BENZO(A,H)ANTHRACENE       ND       ug/L       0.1       0.022         218-01-9       CHRYSENE       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       0.022         -       -       PHENANTHENE       <	91 <b>-20-</b> 3	NAPTHALENE	ND	ug/L	0.1	0.1^		
83-32-9       ACENAPHTHENE       ND       ug/L       0.1       0.1^A         120-12-7       ANTHRACENE       ND       ug/L       0.1       0.012         56-55-3       BENZ(AJANTHRACENE       ND       ug/L       0.1       0.012         205-99-2       BENZO(BJFLUORANTHENE       ND       ug/L       0.1       0.025         191-24-2       BENZO(GJ,H,I)PERYLENE       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         218-01-9       CHRYSENE       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       0.040         85-01-8       PHENANTHRENE       ND       ug/L       0.1       0.040         86-01-8       PHENANTHRENE       ND       ug/L       0.1       0.022         -       -       ND       ug/L       0.1       0.022         -       -       ND       ug/L       0.1	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(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       0.040         86-01-8       PHENANTHRENE       ND       ug/L       0.1       0.040         86-01-8       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       0.021         86-68-7       BENZYL BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-66-2       DIETHYL PHTHALATE <td< td=""><td>208-96-8</td><td>ACENAPHTHYLENE</td><td>ND</td><td>u<b>g/i</b>.</td><td><b>0.</b>1</td><td>0.025</td><td></td><td></td></td<>	208-96-8	ACENAPHTHYLENE	ND	u <b>g/i</b> .	<b>0.</b> 1	0.025		
56-65-3       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       0.040         85-01-8       PHENANTHRENE       ND       ug/L       0.1       0.012         129-00-0       PYRENE       ND       ug/L       0.1       0.021         129-00-0       PYRENE       ND       ug/L       0.1       0.022         -       -       ND       ug/L       0.1       0.040         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<	83-32-9	ACENAPHTHENE	ND	սց/Լ	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       0.040         85-01-8       PHENANTHRENE       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         -       -       ND       ug/L       0.1       0.040         85-68-7       BENZYL BUTYL PHTHALATE       ND       ug/L       0.1       0.022         -       -       -       -       -       -       -         84-76-2       DI-N-BUTYL PHTHALATE       ND       ug/L       0.1       0.044	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       0.040         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       0.040         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       0.044         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.044	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       0.14         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       0.021         86-68-7       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       0.040         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         -       -       ND       ug/L       0.1       0.015         129-00-0       PYRENE       ND       ug/L       0.1       0.022         -       -       ND       ug/L       0.1       0.022         -       -       ND       ug/L       0.1       0.022         -       -       -       -       -       -         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       0.044	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^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       ND       ug/L       0.1       0.022         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       0.022         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.022	207-08-9	BENZO(K)FLUORANTHENE	ND	u <b>g/L</b>	0.1	0.022		
206-44-0       FLUORANTHENE       ND       ug/L       0.1       0.1^A         193-39-5       INDENO(1,2,3-CD)PYRENE       ND       ug/L       0.1       0.040         85-01-8       PHENANTHRENE       ND       ug/L       0.1       0.015         129-00-0       PYRENE       ND       ug/L       0.1       0.022         - Phthalates         85-68-7       BENZYL BUTYL PHTHALATE       ND       ug/L       0.1       0.022         84-74-2       DI-N-BUTYL PHTHALATE       ND       ug/L       0.1       0.085         84-66-2       DIETHYL PHTHALATE       ND       ug/L       0.1       0.044	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		
- 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	129-00-0		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								
84-66-2 DIETHYL PHTHALATE ND ug/L 0.1 0.044	85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	<b>0.</b> 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	<b>0.</b> 1	0.044		
	131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

ND = Not delected above the listed practical quantitation and (PCN.) or not above the Method Detection Listii (MCN.), if requested,

NCL - Maximum Contaminant Level, maximum permissible level of a contaminant is write established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds. A blank MCL or SAL verke indicates a level is not currently established. PQL - Practical Quantitation Umit 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 95% confidence that the compound concentration is granier than zero.

J - Estimated value.



 
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WSDOE Lab C1261

Page 1 of 1

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## DATA REPORT

Client Name:	Waila Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862	Reference Number: Project:	08-07095 Locker/Hall Wetland/HBBIC
Lab Number:	15131	Report Date:	7/9/2008
Field ID:	HW#1	Date Analyzed:	6/25/2008
Sample Description:	Hall Wetland	Analyst:	
Matrix:	Water	Peer Review:	MVA
Collect Date:	5/27/2008	Analytical Method:	525.2
Extraction Date:			
Extraction Method:	0000		-

SOC for Walla Walla											
CAS ID#	COMPOUNDS	RESULT Flag	Units	PQL	MDL	D.F.	Batch	COMMENT			
312-35-8	PROPARGITE	ND .	ug/L.		-	1.0	525X_080609	Qualitative analysis			
0-05-7	BISPHENOL-A	ND	ug/L	<b>0</b> .1	-	1.0	525X_080609				
0-51-5	DIMETHOATE	ND	ug/L	0.5	0.03	1.0					
7837-19-1	METALAXYL	ND	ug/L	0.1	-	1.0					
5299-99-7	NAPROPAMIDE	ND	ug/L	0.1	0.05	1.0					
22-34-9	SIMAZINE	ND	ug/L	0.1	0.03	1.0					
6-86-2	1-NAPHTHALENEACETAMIDE	ND	ug/L	0.5	-	1.0					
33-41-5	DIAZINON	ND	ug/L	0.1	0.04	' 1.0					
0168-88-9	FENARIMOL	ND	ug/L	0.1	0.03	\$.0					
8-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.03	1.0					
786-34-7	MEVINPHOS	ND	ug/l	0.1	0.03	1.0					
6-50-0	AZINPHOS-METHYL	ND	ug/L	0.5	0.12	1.0					
921-88-2	CHLORPYRIFOS	ND	ug∕t_	0.1	0.04	1.0					
2-54-8	4,4-DDD	ND	ug/L	0.1	0.02	1.0					
2-55-9	4,4-DDE	ND	ug/L	0.1	0.02	1.0					
0-29-3	4,4-DDT	ND	ug/L	0.1	0.03	1.0					
15-32-2	DICOFOL	ND	ug/L	1	-	1.0					
21-75-5	MALATHION	ND	ug/L	0.1	0.05	1.0					
98-00-0	METHYL PARATHION	ND	ug/L	0.5	0.1	1.0					
6-38-2	PARATHION-ETHYL	ND	ug/L	0.1	0.05	1.0					
32-11-6	PHOSMET	ND	ug/L	0.5	-	1.D					
3121-43-3	TRIADIMEFON	ND	սց/Լ	0.1	0.07	1.0					
3694-11-1	TRIFLUMIZOLE	ND	ug/L	1.0	1.0	1.0					
50-37-8	METHIDATHINON	ND	ug/L	0.5	0.5	1.0					
3671-89-0	MYCLOBUTANIL	ND	ug/L	0.5	0.5	1.0					
1235-04-2	HEXAZINONE	ND	ug/L	0.1	0.05	1.0					

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

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

Flags are data qualities. 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.

WSDOE Lab C1251



COMPOUNDS

PROPARGITE

CAS ID#

2312-35-8

 
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Page 1 of 1

COMMENT

1.0 525X\_080609 Qualitative analysis

### DATA REPORT

Client Name:	Walla Walla Basin Watershed Council 810 S Main Street Milton-Freewater, OR 97862	Reference Number: Project:	08-07095 Locker/Hall Wetland/HBBIC
Lab Number:	15132	Report Date:	7/9/2008
Field ID:	HW #2	Date Analyzed:	6/25/2008
Sample Description:	Hall Wetland	Analyst:	
Matrix:	Water	Peer Review:	MVA
Collect Date:	5/27/2008	Analytical Method:	525.2
Extraction Date: Extraction Method:			-

 RESULT_	Flag	Units	PQL	MDL	D.F.	Batch
ND		ug/L		-		525X_0800

SOC for Walla Walla

2012-00-0	THO PROFIL						<u>-</u>
80-05-7	BISPHENOL-A	0.6	ug/L	0.1	-	1.0	525X_080609
60-51-5	DIMETHOATE	ND	ug/L	0.5	0.03	1.0	
57837-19-1	METALAXYL	ND	ug/L	0.1	-	1.D	
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	
50-2 <del>9-</del> 3	4,4-DDT	ND	ug/L	0.1	0.03	1.0	
115-32-2	DICOFOL	ND	ug/L	1	-	1.0	
121-7 <del>5-</del> 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 <b>.0</b>	
51235-04-2	HEXAZINONE	ND	ug/L	0.1	0.05	1.0	
					-	~ ).	

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

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 PQL or MDL.

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

WSDOE Lab C1251

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**BISPHENOL-A** 

DIMETHOATE

NAPROPAMIDE

**1-NAPHTHALENEACETAMIDE** 

ì

LINDANE (BHC - GAMMA)

AZINPHOS-METHYL

METHYL PARATHION

PARATHION-ETHYL

**CHLORPYRIFOS** 

METALAXYL

SIMAZINE

DIAZINON

FENARIMOL

MEVINPHOS

4.4-DDD

4,4-DDE

4,4-DDT

DICOFOL

MALATHION

PHOSMET

TRIADIMEFON

TRIFLUMIZOLE

METHIDATHINON

**MYCLOBUTANIL** 

HEXAZINONE

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Page 1 of 1

#### DATA REPORT

Client Name:	Walla Walla Basin Watershed 810 S Main Street Milton-Freewater, OR 97862		1		Refer			08-07095 Locker/Hall V	Vetland/HBBIC
Lab Number,	15133					Report	Date:	7/9/2008	
Field ID:	HW #3				ť	Date Anal	yzed:	6/25/2008	
Sample Description: Matrix:	Hall Wetland Water					An Peer Re	alyst: :view:		
Collect Date:					Ana	lytical Me		f	
Extraction Date: Extraction Method:									-
		soc	for Wa	<b>lla Walla</b>					
CASID# COMP	OUNDS	ESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8 PROPA	RGITE	ND		ug/L		-	1.0	525X_080609	Qualitative analysis

ug/L

ND

0.1

0.5

0.1

0.1

0.1

0.5

0.1

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1

-

-

-

0.03

0.05

0.03

0.04

0.03

0.03

0.03

0.12

0.04

0.02

0.02

0.03

0.05

0.1

0.05

0.07

1.0

0.5

0.5

0.05

-

1.0 525X\_080609

1.0

1.0

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 $\mathcal{A}_{\mathcal{A}}$ 

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

80-05-7

60-51-5

57837-19-1

15299-99-7

122-34-9

333-41-5

58-89-9

86-50-0

72-54-8

72-55-9

50-29-3

115-32-2

121-75-5

298-00-0

56-38-2

732-11-6

43121-43-3

68694-11-1

88671-89-0

51235-04-2

950-37-8

7786-34-7

2921-88-2

60168-88-9

86-86-2

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

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





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Page 1 of 12

## 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
200.7-080530A	HARDNESS	70	69.5	mg/L	200.7	101	80-120	LFB	
508_080609	AROCLOR 1260	2.3	<b>2</b> ·	ug/L	508.1	115	60-140	LFB	
	TETRACHLORO-M-XYLENE (SURR)	93		%	508.1		70-130		
515_080602	2,4 - D	2.08	2	ug/L	515.1	104	70-130	LFB	
	2,4 - DCAA (SURR)	113		%	515.1		70-130		
	2,4 DB	9.55	8	ug/L	516.1	119	70-130		
	2,4,5 - TP (SILVEX)	1.11	1	ug/L	515.1	111	70-130		
	<b>2,4,5</b> T	1	1	ug/L	515.1	100	70-130		
	ACIFLUORFEN	1.22	1	ug/L	515.1	122	70-130		
	BENTAZON	2.17	2	ug/L	515.1	109	70-130		
	CHLORAMBEN	0.91	1	ug/L	515.1	91	70-130		
	DALAPON	12.5	13	ug/L	515.1	96	70-130		
	DICAMBA	1.03	. 1	ug/L	515.1	103	70-130		
	DICHLORPROP	2.78	3	ug/L	515.1	93	70-130		
	DINOSEB	2.66	2	ug/L	515.1	133	70-130	AH	
	PENTACHLOROPHENOL	0.99	1	ug/L	515.1	99	70-130		
	PICLORAM	0.95	1	ug/L	515.1	95	70-130		
	TOTAL (DCPA & Metabolites)	1.16	1	ug/L	515.1	116	70-130		
525_080609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2		70-130	LFB	
	4, <b>4-DDD</b>	1.02	1	ug/L	525.2	102	70-130		
	4,4-DDE	1.03	1	ug/L	525.2	103	70-130		
	4, <b>4-</b> DDT	1.05	1	ug/L	525.2	105	70-130		
	ACENAPHTHYLENE	0.98	1	ug/L	525.2	98	70-130		
	ALACHLOR	2	2	ug/L	525.2	100	70-130		
	ALDRIN	0.98	1	ug/L	525.2	98	70-130		
	ANTHRACENE	0.68	1	ug/L	525.2	68	70-130	CC	
	ATRAZINE	2.09	2	ug/L	525.2	105	70-130		
	BENZ(A)ANTHRACENE	0.92	1	ug/L	525.2	<b>92</b> %	7 <b>0-</b> 130		
	BENZO(A)PYRENE	0.75	1	ug/L	525.2	75	<b>70-13</b> 0		
	BENZO(B)FLUORANTHENE	0.88	1	ug/L	525.2	88	70-130	)	

\*Notation:

% Recovery = (Result of Analysis)(True Value) \* 100 NA = indicates % Recovery could not be calculated.

QCS: Quality Control Semple, 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 Fontified 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.

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





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Page 2 of 12

## 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	BENZO(G,H,I)PERYLENE	0.92	1	ug/L	525.2	92	70-130	LFB		<del></del>
,	BENZO(K)FLUORANTHENE	0.96	1	ug/L	525.2	96	70-130	-		
	BENZYL BUTYL PHTHALATE	1.05	1	ug/L	525.2	105	70-130			
	BROMACIL	1.03	1	ug/L	525.2	103	70-130			
	BUTACHLOR	1.02	1	ug/L	525.2	102	<b>70-</b> 130			
	CHLORDANE, TECHNICAL	0.97	1	ug/L	525.2	97	<b>70-1</b> 30			
	CHRYSENE	1.03	1	ug/L	525.2	103	<b>70-</b> 130			
	CYANAZINE	0.85	1	ug/L	525.2	85	<b>70-</b> 130			
	DI(ETHYLHEXYL)-ADIPATE	1.04	1	ug/L	525.2	104	<b>70-</b> 130			
	DI(ETHYLHEXYL)-PHTHALATE	1.23	1	ug/L	525.2	123	70-130			
	DIAZINÔN	1	1	ug/L	525.2	100	70-130			
	DIBENZO(A,H)ANTHRACENE	0.96	1	ug/L	525.2	96	70-130			
	DIELDRIN	0.99	1	ug/L	525.2	99	70-130			
	DIETHYL PHTHALATE	1.1	1	ug/L	525.2	1.10	70-130			
	DIMETHYL PHTHALATE	1. <b>06</b>	1	ug/L	525.2	106	70-130			
	DI-N-BUTYL PHTHALATE	1.14	1	ug/L	525.2	114	70-130			
	ENDRIN	0.96	1	ug/L	525.2	96	70-130			
	EPTC	0.96	1	սց/Լ	525.2	96	<b>70-</b> 130			
	FLUORENE	1.04	1	ug/L	525.2	104	70-130			
	HEPTACHLOR	0.96	1	ug/L	525.2	96	70-130			
	HEPTACHLOR EPOXIDE	0.94	1	ug/L	525.2	94	70-130			
	HEXACHLOROBENZENE	0.97	1	ug/L	525.2	97	70-130			
	HEXACHLOROCYCLO-PENTADIENE	0.92	1	ug/L	525.2	92	70-130			
	INDENO(1,2,3-CD)PYRENE	0.95	1	ug/L	525.2	95	70-130			
	LINDANE (BHC - GAMMA)	0.97	1	ug/L	525.2	97	70-130			
	MALÁTHION	1.01	1	ug/L	525.2	101	70-130	•		
	METHOXYCHLOR	1.08	1	ug/L	525.2	108	<b>70</b> -130	ł.		
	METOLACHLOR	1.06	1	ug/L	525.2	106	<b>70-</b> 130	ł.		
	METRIBUZIN	0.81	1	ug/L	525.2	81	<b>70-13</b> 0	•		
	PARATHION	0.83	1	ug/L	525.2	83	<b>70-</b> 130	)		
	PENTACHLOROPHENOL	4.87	4	ug/L	525.2	122	70-130	)		
	PERYLENE-D12 (Surr)	101		%	525.2		70-130	)		
	PHENANTHRENE	1	1	ug/L	525.2	100	70-130	I		
	PROPACHLOR	1.02	1	ug/L	625.2	102	70-130	)		
	PYRENE	1	1	ug/L	525.2	100	70-130	) ^		•
	PYRENE-D10 (Surr)	94		%	525.2		7 <b>0-</b> 130	)		
	•									

\*Notation:

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

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Page 3 of 12

### 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_080809	SIMAZINE	0.96	1	vg/L	525.2	96	70-130	ĹFB	······································
,	TERBACIL	0.99	1	ug/L	525.2	99	70-130	_	
	TRIFLURALIN	0.91	1	ug/L	525.2	91	70-130		
	TRIPHENYLPHOSPHATE (Surr)	100		%	525.2		70-130		
525X_080609	1-NAPHTHALENEACETAMIDE	2.37	2	ug/l.	525.2	119	70-130	LFB	
	CHLORPYRIFOS	0.84	1	ug/L	525.2	84	70-130		
	DICOFOL	2.09	2	ug/L	525.2	105	70-130		
	FENARIMOL	0.9	1	ug/L	525.2	90	70-130		
	HEXAZINONE	1.2	1	ug/L	525.2	120	70-130		
	METALAXYL	2.01	2	ug/L	525.2	101	70-130		
	METHIDATHINON	2.18	2	ug/L	525.2	109	85-115		
	MEVINPHOS	0.99	1	ug/L	525.2	99	70-130		
	MYCLOBUTANIL	2.54	2	ug/L	525.2	127	85-115		
	NAPROPAMIDE	0.59	.1	ug/L	525.2	59	<b>70-1</b> 30		
	PHOSMET	2.04	2	nð\f	525.2	102	<b>70-1</b> 30		
	PROPARGITE	2.16	2	ug/L	525.2	108	<b>85-11</b> 5		
	TRIADIMEFON	0.73	1	ug/L	525.2	73	70-130		
	TRIFLUMIZOLE	1.68	2	ug/L	525.2	84	85-115		
531_080611	3-HYDROXYCARBOFURAN	9.3	10	ug/L	531.2	93	70-130	LFB	
	ALDICARB	8.5	10	ug/L	531.2	85	70-130		
	ALDICARE SULFONE	8.8	10	ug/L	531.2	88	70-13D		
	ALDICARB SULFOXIDE	8.3	10	ug/L	531.2	83	70-130		
	CARBARYL	9.3	10	ug/L	531.2	93	70-130		
	CARBOFURAN	9.4	10	ug/L	531.2	94	70-130		
	METHIOCARB	9.1	10	ug/L	531.2	<b>9</b> 1	70-130		
	METHOMYL.	10	10	ug/L	531.2	100	70-130		
	OXYMAL	9.3	10	ug/L	531.2	93	70-130	1	
	PROPOXUR (BAYGON)	9.5	10	ug/L	531.2	95	70-130		
531_080611	3-HYDROXYCARBOFURAN	20	20	ug/L	531.2	100	70-130	LFB	
	ALDICARB	19	20	ug/L	531.2	95	70-130		
	ALDICARB SULFONE	19	20	· ug/L	531.2	95	70-130	•	
	ALDICARB SULFOXIDE	18	20	ug/L	531.2	90	70-130	l .	

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Page 4 of 12

### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

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

			True			%		QC	
Batch	Analyte	Result	Value	Units	Melhod	Recover	ry Limits	Qualifier Type*	Comment
531_060611	CARBARYL	19.5	20	ug/L	531.2	98	70-130	LFB	
ţ	CARBOFURAN	20	20	ug/L	531.2	100	70-130	-	
	METHIOCARB	19	20	ug/L	531.2	95	70-130		
	METHOMYL	21	20	ug/L	531.2	105	70-130		
	OXYMAL	19.5	20	ug/L	531.2	98	70-130		
	PROPOXUR (BAYGON)	20	20	ug/L	531.2	100	70-130		
531_080611	3-HYDROXYCARBOFURAN	1 -	1	ug/L	531.2	100	<b>70-1</b> 30	LFB	
	ALDICARB	0.6	1	ug/L	531.2	60	70-130		Limits 50-150% at PC
	ALDICARB SULFONE	0.75	1	ug/L	531.2	75	70-130		
	ALDICARB SULFOXIDE	1	1	ug/L	531.2	100	<b>70-1</b> 30	·	
	CARBARYL	0.9	1	ug/L	531.2	90	<b>70</b> -130		
	CARBOFURAN	1	1	ug/L	531.2	100	70-130		
	METHIOCARB	1	1	ug/L	531.2	100	<b>70-</b> 130		
	METHOMYL	0.8	1	ug/L	531.2	80	<b>70-13</b> 0		
	OXYMAL	1	1	ug/L	531.2	100	70-130		
	PROPOXUR (BAYGON)	1	1	ug/L.	531.2	100	70-130		
549_080603	PARAQUAT	14.1	20	ug/L	549.2	71	70-130	LFB	
COD_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	<b>60-12</b> 0	LFB	
tds_080602	TOTAL DISSOLVED SOLIDS	523	500	mg/L	SM2540 C	105	60-120	LFB	

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Page 5 of 12

## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

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

			True			%	QC	
Batch	Analyte	Result	Value	Units	Method	<b>Recovery</b> Limits	Qualifier Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7	10.000	DC L.RB	
317_080606A	BROMATE	ND		ug/L	317.0	0.0000	0 LRB	
317_080611A	BROMATE	ND		ug/L	317.0	0.0000	0 LRB	
317_080612A	BROMATE	ND		ug/L	317.0	0.0000	O LRB	
COD_080604	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D	4.0000	0 LRB	
1080528A	CHLORIDE	ND		mg/∟	300.0	0.1000	io LRB	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0.1000	IO LRB	

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Page 6 of 12

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### SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

			True			%		QC	
Batch	Anaiyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
200,7-080530A	HARDNESS	ND		mg/L	200.7		0.82000	MB	<u>, , , , , , , , , , , , , , , , , , , </u>
508_080609	AROCLOR 1016	ND		ug/L	508.1		0.02000	MB	
	AROCLOR 1221	ND		ug/L	508.1		0.12000	I	
	AROCLOR 1232	ND		ug/L	508.1		0.02000	I	
	AROCLOR 1242	ND		ug/L	508.1		0.02000	I	
	AROCLOR 1245	ND		ug/L	508.1		0.02000	I	
	AROCLOR 1254	ND		ug/L	508.1		0.02000	I	
	AROCLOR 1260	ND		ug/L	506.1		0.02000	I	
	TETRACHLORO-M-XYLENE (SURR)	86		%	508.1		0.00000	I	
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	i i i i i i i i i i i i i i i i i i i	
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.10000	ł.	
	2,4,5 T	ND		ug/L	515.1		0.10000	ł.	
	ACIFLUORFEN	ND		ug/L	515.1		0.50000	ŧ.	
	BENTAZON	ND		បg/L	515.1		0.12000	i i i i i i i i i i i i i i i i i i i	
	CHLORAMBEN	ND		սց/Լ	515.1		0.20000	•	
	DALAPON	ND		ug/L	<b>515</b> .1		0.50000	F	
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.10000	¢	
	DICAMBA	ND		ug/L	515.1		0.05000	•	
	DICHLORPROP	ND		ug/L	515.1		0.12000	•	
	DINOSEB	ND		ug/L	515.1		0.10000	)	
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.02000	F	
	PICLORAM	ND		ug/L	515.1		0.05000	1	
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.02000	)	
525_08060 <del>9</del>	1,3-DIMETHYL-2-NITROBENZENE (Surr)	97		%	525.2			MB	
	4,4-DDD	ND		ug/L	525.2		0.05000	ł	
	4,4-DDE	ND		ug/L	525.2		0.05000	}	
	4,4-DDT	ND		ug/L	525.2		0.05000	}•	
	ACENAPHTHENE	ND		ug/L	525.2		0.05000	)	

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Page 7 of 12

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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	<b>Recovery Limits</b>	Qualifier Type*	Comment
525_080609	ALACHLOR	ND		ug/L	525.2	0.0200	0 MB	
	ALDRIN	ND		ug/L	525.2	0.0500	o -	
	ANTHRACENE	ND		ug/L	525.2	0.0500	0	
	ATRAZINE	ND		ug/L	525.2	0.0200	0	
	BENZ(A)ANTHRACENE	ND		ug/L	525.2	0.0200	0	
	BENZO(A)PYRENE	ND		ug/L	525.2	0.0200	0	
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2	0.0500	0	
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2	0.0500	0	
	BENZO(K)FLUORANTHENE	· ND		ug/L	52 <del>5</del> .2	0.0500	0	
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2	0.6000	0	
	BROMACIL	ND		ug/L	525.2	0.0500	0	
	BUTACHLOR	ND		ug/L	525.2	0.1000	0	
	CHLORDANE, TECHNICAL	ND		ug/l.	525.2	0.0200	0	
	CHRYSENE	ND		ug/L	525.2	. 0.0500	0	
	CYANAZINE	ND		ug/L	525.2	0.0500	0	
	DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2	0.0200	0	
	DI(ETHYLHEXYL)-PHTHALATE	0.13		ug/L	525.2	0.6000	0	
	DIAZINON	ND		ug/L	525.2	0.0500	0	
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2	0.0500	0	•
	DIELDRIN	ND		ug/L	525.2	0.0500	0	
	DIETHYL PHTHALATE	ND		ug/L	525.2	0.6000	0	
	DIMETHYL PHTHALATE	ND		ug/L	525.2	0.6000	0	
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2	0.6000	O	
	ENDRIN	ND		ug/L	525.2	0.0200	le l	
	EPTC	ND		ug/L	525.2	0.0700	0	
	FLUÖRANTHENE	ND		ug/L	525.2	0.0500	0	
	FLUORENE	ND		ug/L	525.2	0.0500	ю	
	HEPTACHLOR	ND		ug/L	525.2	0.0200	0	
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2	0.0200	ю	
	HEXACHLOROBENZENE	ND		ug/L	525.2	0.0200	ю	
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2	0.0200	0	
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2	0.0500	0	
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2	0.0200	0	
	MALATHION	ND		ug/L	525.2	0.0500	0	
	METHOXYCHLOR	ND		ug/L	525.2	0.0200	ю	
	METOLACHLOR	ND		ug/L	525.2	0.2500	ю	

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Page 8 of 12

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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
525_080609	METRIBUZIN	ND		ug/L	525.2		0.05000	MB	
•	NAPTHALENE	ND		ug/L	525.2		0.02000	• -	
	PARATHION	ND		ug/L	525.2		0.05000	)	
	PENTACHLOROPHENOL	ND		ug/L	525.2		0.04000	)	
	PERYLENE-D12 (Surr)	95		%	525.2				
	PHENANTHRENE	ND		ug/L	525.2		0.05000	)	
	PROPACHLOR	ND		ug/L	525.2		0.05000	)	
	PYRENE	ND		ug/L	525.2		0.05000	1	
	PYRENE-D10 (Surr)	98		%	525.2				
	SIMAZINE	ND		ug/L	525.2		0.02000	1	
	TERBACIL	ND		ug/L	525.2		0.05000	1	
	TRIFLURALIN	ND		ug/L '	525.2		0.05000	1	
	TRIPHENYLPHOSPHATE (Surr)	106		%	525.2				
					·				
525X_080609	1-NAPHTHALENEACETAMIDE	ND		ug/L	525.2		0.10000	) MB	
_	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000	}	
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000	}	
	DICOFOL	ND		ug/L	525.2		0.00000	)	
	DIMETHOATE	ND		ug/L	525.2		0.00000	)	
	FENARIMOL	ND		ug/L	525.2		0.00000	)	
	HEXAZINONE	ND		ug/L	525.2		0.00000	)	
	MALATHION	ND		ug/L	525.2		0.05000	)	
	METALAXYL	ND		ug/L	525.2		0.10000	)	
	METHIDATHINON	ND		ug/L	525.2		0.50000	)	
	METHYL PARATHION	ND		ug/L	525.2		0.00000	נ	
	MEVINPHOS	ND		ug/L	525.2		0.00000	נ	
	MYCLOBUTANIL	ND		ug/L	525.2		0.50000	נ	
	NAPROPAMIDE	ND		ug/L	525.2		0.00000	3	
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000	ט	
	PHOSMET	ND		ug/1_	525.2		0.10000	0	
	PROPARGITE	ND		ug/L	525.2		0.0000	D	
	TRIADIMEFON	ND		ug/L	525.2		0.0000	D	
	TRIFLUMIZOLE	ND		ug/L	525.2	× .	1.00000		
				- <u>u</u>					

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<sup>%</sup> Recovery = (Result of Analysis)/(True Value) \* 100





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Page 9 of 12

## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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

			Тгиа			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
531_060611	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000	MB	
	ALDICARB	ND		ug/L	531.2		0.25000	-	
	ALDICARB SULFONE	ND		ug/L	531.2		0.40000		
	ALDICARB SULFOXIDE	ND		ug/L	531.2		0.25000		
	CARBARYL	ND		ug/L	531.2		0.50000		
	CARBOFURAN	ND		ug/L	531.2		0.45000		
	METHIOCARB	ND		ug/L	531.2		1.00000		
	METHOMYL	ND		ug/L	531.2		0.25000		
÷	OXYMAL	ND		ug/L	531.2		1.00000		
	PROPOXUR (BAYGON)	ND		ug/L	531.2		0.25000		
549_080803	PARAQUAT	ND		ug/L	549.2	ı	0.50000	MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080802	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	•
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000	MB	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000	MB	
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	an la	2.50000	мв	
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000	) ÁB	

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 fortily an allouot 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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Page 10 of 12

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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	<b>Recovery Limits</b>	Qualifier Type*	Comment
ids_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C	2.50000	) MB	
turb_080528	TURBIDITY	ND		NTÚ	180.1	0.02000	) MB	

"Notation:

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NA = Indicates % Recovery could not be calculated.

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<sup>%</sup> Recovery = (Result of Analysis)/(True Value) \* 100

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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Page 11 of 12

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## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

**Quality Control Sample** 

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	129	132.3	тgAL	200.7	98	80-120	QCS		
(								-		
						94	70-130	QCS		
317_080606A	BROMATE	38.2	40.8	ug/L	317.0	84	70-130	403		
317_060611A	BROMATE	37.8	40.8	ug/L	317.0	93	70-130	QCS		
017_0000111										
317_080612A	BROMATE	39	40.8	ug/L	317.0	96	70-130	QCS		
624 000844	3-HYDROXYCARBOFURAN	36.7	34.2	ug/L	531.2	107	70-130	QCS		
531_080611	ALDICARB	27.4	26	ug/L	531.2	105	70-130			
	ALDICARB SULFONE	33.8	30	ug/L	531.2	113	70-130			
		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	<b>60</b> .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			
			4.0	#	549.2	67	70-130	QCS		
549_080603	PARAQUAT	3.2	4.8	ug/L	049.2	01	/0~100	200		
COD_080604	CHEMICAL OXYGEN DEMAND	138	133	mg/L	SM5220 D	104	<b>80-12</b> 0	QCS		
ec_080602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-120	) acs		
ec_060602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-120	) QCS		
ec_060602	ELECTRICAL CONDUCTIVITY	173	169	uS/cm	SM2510 B	102	80-120	) QCS		
-					CHOELO P	102	80-120	, acs		
ec_060602	ELECTRICAL CONDUCTIVITY	172	169	uS/cm	SM2510 B	102	00*121	, 200		

\*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 tab 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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Page 12 of 12

## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

**Quality Control Sample** 

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

			True			%		QC .	
Batch /	Analyte	Result	Value	Units	Method	Recovery	Limits	Qualifier Type*	Comment
1	· · · · ·							-	
ec_080613 6	ELECTRICAL CONDUCTIVITY	168	1 <b>69</b>	uS/cm	SM2510 B	99	80-120	QCS	
ec_080613 6	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120	QCS	
ec_060613 6	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	
1080528 <b>A</b>	CHLORIDE	<b>29</b> .1	30.0	mg/L	300.0	97	80-120	QCS	
OPHOS-080528	ORTHO-PHOSPHATE	0.50	0.49	mg/L	SM4500-P F	102	70-130	acs	
ph_080528 H	HYDROGEN ION (pH)	8.09	8.00	pH Units	SM4500-H+ B	101	60-120	QCS	
H	HYDROGEN ION (pH)	8.20	8.00	pH Units	SM4500-H+ B	103	<b>80-</b> 120		
ph_080528 H	HYDROGEN ION (pH)	8.19	8.00	pH Units	SM4500-H+ B	102	80-120	QCS	
-	ì								
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 allquol of reagent matrix. The QCS is obtained from an external source and is used to check tab performance.

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LFB: Laboratory Fontified 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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Page 1 of 6

#### QUALITY CONTROL REPORT

Reference Number: 08-07095

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Report Date: 7/9/2008

Duplicat	e			<del>64</del> *					
-				Duplicate				ac	
Batch	Sample	Analyle	Result	Result	Units	%RPD	Limits	Qualifier	Comments
200.7-080530	A								
	15125	HARDNESS	156	156	mg CaCO3/L	0.0	0-45	DU	P
	15169	HARDNESS	79.8	<b>81.</b> 1	mg CeCO3/L	1.6	0-45	DU	P
317_080606A									
317_080611A									
317_080612A									
-		BROMATE	6.5	6.7	ug/L	3.0	0-50	DU	P
515_080602									
525_080609									
	15132	1,3-DIMETHYL-2-NITROBENZENE (Sum	98	96	%	2.1	0-45	DU	P
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45	DŲ	P
	15132	PERYLENE-D12 (Surr)	103	102	%	1.0	0-45	DŲ	P
	15132	TRIPHENYLPHOSPHATE (Surr)	108	112	%	3.6	0-45	DU	P
	15132	1,3-DIMETHYL-2-NITROBENZENE (Sur	98	96	%	2.1	0-45	DU	P
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45	DU	P
	15132	PERYLENE-D12 (Surr)	103	102	%	1.0	0-45	DU	P
	15132	TRIPHENYLPHOSPHATE (Surr)	108	112	%	3.6	0-45	DU	P
525X_080609					•				
_	15132	BISPHENOL-A	0.6	0.6	ug/L	0.0	0-20	DU	P
COD_080604									
-		CHEMICAL OXYGEN DEMAND	8900	8850	mg/L	0.6	0-45	DU	P
EC_080602									
	15127	ELECTRICAL CONDUCTIVITY	129	129	uS/cm	0.0	0-45	DU	P
	15147	ELECTRICAL CONDUCTIVITY	400	403	uS/cm	0.7	0-45	DU	P
	15483	ELECTRICAL CONDUCTIVITY	732	732	uS/cm	0.0	0-45	DU	Þ
EC_080613							F		
	16828	ELECTRICAL CONDUCTIVITY	3D1	301	uS/cm	0.0	0-45	DU	P

%RPD = Relative Percent Difference

NA = Indicates % RPD could not be calculated



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#### Duplicate

				Duplicate				ac	
Batch	Sampie	Analyte	Result	Result	Units	%RPD	Limits	Quelifier	Comments
	16978	ELECTRICAL CONDUCTIVITY	237	237	u\$/cm	0.0	0-45	DU	
	17042	ELECTRICAL CONDUCTIVITY	744	743	uS/cm	0.1	0-45	DUF	, <sup>'</sup>
1080528A									
	15147	CHLORIDE	31	31	mg/L	0.0	0-45	DUF	•
	15169	CHLORIDE	26	26 ~	mg/L	D.0	0-45	DUF	,
NO3NO2-0	80528								
	15050	NITRATE-N	0.54	0.54	mg/L	0.0	0-20	DUG	1
	15060	NITRATE-N	0.04	0.04	mg/L	0.0	0-20	DUF	•
	15133	NITRATE-N	1.11	1.10	mg/L	0.9	0-20	DUI	,
OPHOS-08	0528								н. 
	15060	ORTHO-PHOSPHATE	0.32	0.33	mg/L	3.1	0-50	DUF	ı
	15128	ORTHO-PHOSPHATE	0.12	0.12	mg/L	0.0	0-50	סטנ	•
	15133	ORTHO-PHOSPHATE	0.23	0.23	mg/L	0.0	0-50	DUf	•
PH_080528									
		HYDROGEN ION (pH)	6.75	6.70	pH Units	0.7	0-45	DU	•
	15169	HYDROGEN ION (pH)	8.10	8.06	pH Units	0.2	0-45	DUF	,
TDS_08060	12								
		TOTAL DISSOLVED SOLIDS	120	117	mg/L	2.5	0-45	DUF	•
	15509	TOTAL DISSOLVED SOLIDS	50	53	mg/L	5.8	0-45	DUR	1
TURB_080	528								
-		TURBIDITY	8.45	8.22	NTU	2.8	0-50	DUI	•
	15147	TURBIDITY	4.74	5.15	NTU	8.3	0-50	DU	1

%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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#### Page 3 of 6 Reference Number: 08-07095 Report Date: 7/9/2008

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Matrix S	pike				Duplicate	•									
			-	Spike	Spike	Spike		Percent	Recovery				QC		
Betch	6ample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limãs	%RPD	Limits	Qualifier		Comments
200.7-080530	A														
	15125	HARDNESS	156	220	221	69.5	mg CaCO3/L	. 92	94	80-120	1.6	0-60		LFM	4
	15169	HARDNESS	79.8	146	146	69.5	mg CaCO3/L	95	95	80-120	0.0	0-60		LFM	
317_080606A															
_	14879	BROMATE	ND	9.3		10.0	ug/L	93	NA	70-130	NA	0-50		LFM	
317_080611A															
_	15130	BROMATE	ND	7.6		10	ug/L	76	NA	70-130	NA	0-50		LFM	
317_080612A															
-		BROMATE	6.5	18		10	ug/L	115	NA	70-130	NA	0-50		LFM	
	15512	BROMATE	ND	10.9		10	ug/L	109	NA	70-130	NA	0-60		LFM	
515_080602															
	14221	2,4 - D	ND	2.16		2	ug/L	108	NA	65-135	NA	0-60		LFM	
	14221	2,4,5 - TP (SILVEX)	ND	1.19		1	ug/L	119	NA	65-135	NA	0-60		LFM	
		PENTACHLOROPHENOL	ND	1.06		1	ug/L	106	NA	85-135	NA	0-60		LFM	
	14221	DALAPON	ND	1 <b>2.1</b>		13	ug/L	93	NA	65-135	NA	0-60		LFM	
	14221	DINOSEB	ND	2.81		2	ug/L	141	NA	65-135	NA	0-60	AH	LFM	
	14221	PICLORAM	ND	0.96		1	ug/L	96	NA	65-135	NA	0-60		LFM	
	<b>1422</b> 1	DICAMBA	ND	1.05		1	ug/1.	105	NA	65-135	NA	0-60		LFM	
	14221	TOTAL (DCPA & Metabolites)	ND	1,19		1	ug/L	119	NA	65-135	NA	0-60		LFM	
	14221	2,4 DB	ND	10,6		8	ug/L	133	NA	65-135	NA	0-60		LFM	
	14221	2,4,5 T	ND	1.06		1	ug/L	106	NA	65-135	NA	0-60		LFM	
	14221	BENTAZON	ND	2.28		2	ug/L	113	NA	65-135	NA	0-60		LFM	
	14221	DICHLORPROP	ND	2.89		3	ug/L	96	NA	65-135	NA	0-60		LFM	
	14221	ACIFLUORFEN	ND	1.29		1	ug/L	129	NA	65-135	NA	0-60		LFM	
	14221	CHLORAMBEN	ND	0.76		1	ug/L	76	NA	65-135	NA	0-50		LFM	
	14221	2,4 - DCAA (SURR)	108	116			% ·		NA	70-130	NA	0-60		LFM	
525_080609															
	15133	ENDRIN	ND	0.99		1	ug/L	39	NA	70-130	NA	0-60		LFM	
		LINDANE (BHC - GAMMA)	ND	1		1	ug/L	100	NA	70-130	NA	0-60		LFM	
		METHOXYCHLOR	ND	1.14		1	ug/L	114	NA	70-130	NA	0-60	•	LFM	
		ALACHLOR	ND	2.08		2	ug/L	104	NA	70-130	NA	0-60		LFM	
		ATRAZINE	ND	2.25		2	ug/L	113	NA .	70-130	NA	0-60		LFM	
		BENZO(A)PYRENE	ND	0.75		1	ug/L	75	NA	70-130	NA	0-60		LFM	
		CHLORDANE, TECHNICAL	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	DI(ETHYLHEXYL)-ADIPATE	ND	1.09		1	ug/L	109	NA	70-130	NA	0-60		LFM	

%RPD = Relative Percent Difference

NA = indicates %RPD could not be calculated



#### Page 4 of 6 Reference Number: 08-07095 Report Date: 7/9/2008

Matrix Spike						-									
Spike						ie Spike		Parcer	Percent Recovery QC						
Balch	Sampia	Analyte	Result	Result	Spike Result	Conc	Units	MS	MSD	Limits	%RPD	Limits	Queliñ:	Ir	Comments
·····	15133	DI(ETHYLHEXYL)-PHTHALATE	ND	1.33		1	u <b>g/L</b>	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	<b>70-13</b> 0	NA	0-50		LFM	
	15133	HEXACHLOROBENZENE	ND	1.05		ſ	ug/L	105	NA	<b>70-13</b> 0	NA	0-60		LFM	
	15133	HEXACHLOROCYCLO-PENTADIENE	ND	1.1	a.	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	NÐ	0.96		1	ug/L	96	NA	70-130	NA	0-60		LFM	
	15133	BUTACHLOR	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	15133	DIELDRIN	ND	1.02		1	u <b>g/l.</b>	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	SIMAZINË	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	EPTC	ND	1.01		1	ug/L	101	NA	70-130	NA	0-60		LFM	
	15133	DIAZINON	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDD	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM	
	15133	LINDANE (BHC - GAMMA)	ND	1		1	ug/L	100	NA	70-130	NA	0-60		LFM	
		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	<b>70-13</b> 0	NA	0-60		LFM	
	15133	MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	15133	PARATHION	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM	
	15133	TRIFLURALIN	ND	1.06		1	ug/L ·	106	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDD	ND	1. <b>06</b>		1	ug/L	106	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDE	ND	1.04		1	ug/L	104	NA	70-13D	NA	0-80		LFM	
	15133	4,4-DDT	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	15133	MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	15133	PARATHION-ETHYL	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM	
	15133	FLUORENE	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60		LFM	
		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	
	15133	BENZ(A)ANTHRACENE	ND	0.91		1	ug/L	91	NA	70-130	NA	0-80		LFM	

%RPD = Relative Percent Difference

NA = indicates %RPD could not be calculated



#### Page 5 of 6 Reference Number: 08-07095 Report Date: 7/9/2008

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#### Matrix Spike

	-			Spike	Spike	Spike		Percen	t Recovery				oc	
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limita	%RPD	Limits	Qualifier	Comments
	15133	BENZO(B)FLUORANTHENE	ND	0.96		1	ug/L	96	NA	70-130	NA	0-60	LFM	· · · · · · · · · · · · · · · · · · ·
	15133	BENZO(G,H,I)PERYLENE	ND	1		1	ug/L	100	NA	70-130	NA	0-60	LFM	
	15133	BENZO(K)FLUORANTHENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60	LFM	
	15133	CHRYSENE	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60	LFM	
	15133	DIBENZO(A.H)ANTHRACENE	ND	1.01		1	սց/Լ	101	NA	70-130	NA	0-60	LFM	
	15133	INDENO(1,2,3-CD)PYRENE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60	LFM	
	15133	PHENANTHRENE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60	LFM	
	15133	PYRENE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60	LFM	
	15133	BENZYL BUTYL PHTHALATE	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60	LFM	
	15133	DI-N-BUTYL PHTHALATE	ND	1.23		1	ug/L	123	NA	70-130	NA	0-60	LÉM	
	15133	DIETHYL PHTHALATE	ND	1.2		1	ug/L	120	NA	70-130	NA	0-60	LFM	
	15133	DIMETHYL PHTHALATE	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60	LFM	
	15133	1,3-DIMETHYL-2-NITROBENZENE (Sum	98	98			%		NA	70-130	NA	0-60	LFM	
	15133	PYRENE-D10 (Surr)	95	94			%		NA	70-130	NA	0-60	LFM	
	15133	PERYLENE-D12 (Surr)	102	99			%		NA	70-130	NA	0-60	LFM	
	15133	TRIPHENYLPHOSPHATE (Surr)	108	102			%		NA	70-130	NA	0-60	LFM	
525X_080609														
-	15133	PROPARGITE	ND	2.3		2	ug/L	115	NA	70-130	NA	0-50	LFM	
	15133	METALAXYL	ND	2.06		2	ug/L	103	NA	70-130	NA	0-50	LFM	
	15133	NAPROPAMIDE	ND	0.61		1	ug/L	61	NA	70-130	NA	0-50	LFM	
	15133	1-NAPHTHALENEACETAMIDE	ND	2.64		2	ug/L	132	NA	70-130	NA	0-50	LFM	
	15133	FENARIMOL	ND	0.99		1	ug/L	99	NA	70-130	NA	0-50	LFM	
	15133	MEVINPHOS	ND	1.08		2	ug/L	54	NA	7 <b>0-</b> 130	NA	0-50	LFM	
	15133	CHLORPYRIFOS	ND	0.94		1	ug/L	94	NA	7 <b>0</b> -130	NA	0-50	LFM	
	15133	DICOFOL	ND	2.24		2	ug/L	112	NA	70-130	NA	0-50	LFM	
	15133	PHOSMET	ND	2,26		2	ug/L	113	NA	70-130	NA	0-50	LFM	
	15133	TRIADIMEFON	ND	0.8		1	ug/L	80	NA	70-130	NA	0-50	LFM	
	15133	TRIFLUMIZOLE	ND	1.81		2	ug/L	91	NA	70-130	NA	0-50	LFM	
	15133	METHIDATHINON	ND	2.32		2	ug/L	116	NA	70-130	NA	0-50	LFM	
	15133	MYCLOBUTANIL	ND	2.65		2	ug/L	133	NA	70-130	NA	0-50	LFM	
	15133	HEXAZINONE	ND	1.25		1	ug/L	125	NA	70-130	NA	0-50	LFM	
531 080611														
<u> </u>	13899	OXYMAL	ND	8.7		10	ug/L	87	NA	70-130	NA	0-50	LFM	
	13899	CARBOFURAN	ND	8.8		10	ug/L	88	NA	70-130	NA	0-50	LFM	
	13899	ALDICARB SULFOXIDE	ND	7.8		10	ug/L	78	NA	70-130	NA	0-50	LFM	
	13899	ALDICARB SULFONE	ND	8.5		10	ug/L	85	NA	70-130	NA	0-50	LFM	

Duplicate

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated



#### Page 6 of 6 Reference Number: 08-07095 Report Date: 7/9/2008

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#### Matrix Spike

				Spike	Spike	Spike		Percen	IL Recovery				QC	
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	MS	MŞD	Limits	%RPD	Umits	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	89	NA	70-130	NA	0-50	LFM	3
	13899	ALDICARE	ND	8		10	ug/L	80	NA	70-130	NA	0-50	LFM	
	13899	CARBARYL	ND	8.8		10	ug/L	88	NA	70-130	NA	0-50	LFM	
	13899	PROPOXUR (BAYGON)	ND	9	•• *	10	ug/L	90	NA	70-130	NA	0-50	LFM	
	13899	METHIOCARB	ND	8.1		10	ug/L	81	NA	70-130	NA	0-50	LFM	
	151 <b>28</b>	OXYMAL	ND	8.5	7.6	10	ug/L	86	76	70-130	11.2	0-50	LFM	
	15128	CARBOFURAN	ND	8.8	7.9	10	ug/L	88	79	70-130	10.B	0-50	LFM	
	15128	ALDICARB SULFOXIDE	ND	7.8	7	10	ug/L	78	70	70-130	10.8	0-50	LFM	
	15128	ALDICARB SULFONE	ND	8.7	7.2	10	ug/L	87	72	70-130	18.9	0-50	LFM	
	15128	METHOMYL	ND	8.8	8.2	10	ug/L	88	82	70-130	7.1	0-50	LFM	
	15128	3-HYDROXYCARBOFURAN	ND	9.6	8.6	10	ug/L	96	86	70-130	11.0	0-50	LFM	
	15128	ALDICARB	ND	8.3	7	10	ug/L	83	78	70-130	17.0	0-50	LFM	
	15128	CARBARYL	ND	8.8	7.6	10	ug/L	86	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 080504														
-	15131	CHEMICAL OXYGEN DEMAND	ND	57	57	50	mg/L	114	114	80-120	0.0	0-60	LFM	
	15260	CHEMICAL OXYGEN DEMAND	6900	11300	11300	2500	mg/L	96	96	80-120	0.0	0-60	LFM	
1080528A														
	15147	CHLORIDE	31	32		1.00	mg/L	100	NA	80-120	NA	0-60	LFM	•
	15169	CHLORIDE	26	47		20.00	mg/L	105	NA	80-120	NA	0-60	LFM	
NO3NO2-080	528													
		NITRATE-N	0.54	1.56	1.54	1.00	mg/L	102	100	90-110	2.0	0-50	LFM	
	15080	NITRATE-N	0.04	1.07	1.05	1.00	ոց/Լ	103	101	90-110	2.0	0-50	LFM	
	15061	NITRATE-N	0.56	1.59	1.58	1.00	mg/L .	103	100	90-110	3.0	0-50	LFM	
	15133	NITRATE-N	1.11	2.11	2.09	1.00	mg/L	100	98	90-110	2.0	0-50	LFM	
OPHOS-0805	28													
	15050	ORTHO-PHOSPHATE	ND	1.09	1.06	1.00	mg/L	109	106	70-130	2,8	0-50	LFM	
	15080	ORTHO-PHOSPHATE	0.32	1.39	1.36	1.00	mg/L	107	104	70-130	2,8	0-50	LFM	
	15128	ORTHO-PHOSPHATE	0.12	1,17	1.16	1.00	mg/L	105	104	70-130	1.0	0-50	LFM	
	15133	ORTHO-PHOSPHATE	0.23	1.27	1.30	1.00	mg/L	104	107	70-130	2.8	0-50	LFM	

Duplicate

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated





## QUALITY CONTROL REPORT SURROGATE REPORT

Page 1 of 2

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

Lab No	Analyte	Result Qualifier	Units	Method	1 1 14
5 080602	Analyte		UINS	INCUIVO	Limit
15124	2,4 - DCAA (SURR)	108	%	515.1	Acceptance Range is 70 - 130%
8_080609					
15124 25 080609	TETRACHLORO-M-XYLENE (SURR)	86	%	508.1	Acceptance Limits 70%-130%
15124	1,3-DIMETHYL-2-NITROBENZENE (Surr)	100	%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	96	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	106	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108	₩		Acceptance Range is 70% to 130%
5_080602					
15125	2,4 - DCAA (SURR)	112	<b>%</b> .	515.1	Acceptance Range is 70 - 130%
5 080602					
15126	2,4 - DCAA (SURR)	107	%	515.1	Acceptance Range is 70 - 130%
5 000000					
15_080602 15127	2,4 - DCAA (SURR)	109	%	515.1	Acceptance Range is 70 - 130%
			~		
5_080602		400	8/	E4E 1 .	Assessment Description - 70 - 420%
15128	2,4 - DCAA (SURR)	108	%	515.1	Acceptance Range is 70 - 130%
5_080602					
15129	2,4 - DCAA (SURR)	105	%	515.1	Acceptance Range is 70 - 130%
5 080602					
15130	2,4 - DCAA (SURR)	117	%	515.1	Acceptance Range is 70 - 130%
	k -				
15_080602 15131	2,4 - DCAA (SURR)	117	%	515.1	Acceptance Range is 70 - 130%
8_080609			<b>6</b> .7	508.1	
15131 5 080609	TETRACHLORO-M-XYLENE (SURR)	80	%	000.1	Acceptance Limits 70%-130%
15131	1,3-DIMETHYL-2-NITROBENZENE (Surr)	99	%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	93	%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103	%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	110	%		Acceptance Range is 70% to 130%
5_080602					
5132	2,4 - DCAA (SURR)	107	%	515.1	Acceptance Range is 70 - 130%
8 080609					
15132	TETRACHLORO-M-XYLENE (SURR)	82	%	508.1	Acceptance Limits 70%-130%
5_080609					
5132	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98	% «	525.2	Acceptance Range is 70% to 130% Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr) PERYLENE-D12 (Surr)	96 103	% %		Acceptance Range is 70% to 130% Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surt)	105	%		Acceptance Range is 70% to 130%
5_080602 15133	2,4 - DCAA (SURR)	112	%	515.1	Acceptance Range is 70 - 130%
		.,=	,-		
8_080609				575 A	
5133	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

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## QUALITY CONTROL REPORT SURROGATE REPORT

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

Lab No	Analyte	Result Qualifier	Units	Method	Limit
525_080609 15133	1,3-DIMETHYL-2-NITROBENZENE (Surr) PYRENE-D10 (Surr) PERYLENE-D12 (Surr) TRIPHENYLPHOSPHATE (Surr)	98 95 102 108	% % %	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%

 $c_{i,i}^{(i)}$ 

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.

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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.								
BQ	Indicates that an analyte has been detected in the laboratory method blank. This flag denotes possible contribution of laboratory background.	•							
cc	Continuing calibration check standard was within acceptance limits. Low recovery for a PAH ma possibly be a result of photo-degradation.	I <b>y</b>							

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City: Attn:		eport to: Walla Walla Basin Watershed Cour. No Address: 810/S Main Street					Bill to: Walla Walla Basin Watershed Counc Address: 810 S Main Street										
Phone Email: Projec	Bob Bowe 641.938-2	ewats: OR zip: 97 r		Cily; Phone: P:O:#: Ute Card#:	Milito		vatest: FAX: Attri:		zip: 97	862		<b>: Regula</b> afe Drini Ilean Wa ICRA / C Dher	king Wa Iter Act			ANALYTICA LABORATORIES - 1620 S. Walnut St. Burlington, WA 9823 <u>1.800,755.9295</u> 805 W. Orchard Dr. Suit Bellingham, WA 9822	3 e 4
1. Us 2. Be 3. Ch ea	ach sample.	is requests. o be performed for		Half-	dard time (50	<u>Required</u> 1% surcl 10% surc	narge)	•	•	Anal		eques	TDS, CI. O-Phos, PH, Tum, Ec.			cO005214	
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 Burlington WA
 1620 S Walnut St - 96233

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 Bellingham WA
 805 Orchard Dr Sulte 4 - 98225

 Microbiology
 360.671.0688 • 360.671.1577tax

July 9, 2008

Page 1 of 1

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Bo b 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