



Water Year 2016

Washington Walla Walla Basin Aquifer Recharge Report



FINAL VERISION

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Washington Walla Walla Basin Aquifer Recharge Report

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Walla Walla Basin Watershed Council
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EXECUTIVE SUMMARY

This report summarizes operations at the two operating aquifer recharge (AR) sites in the Washington portion of the Walla Walla Basin, the Locher Road Aquifer Recharge (Locher Road) site and Stiller Pond Aquifer Recharge (Stiller Pond) site during Water Year 2016 (October 1 2015 to September 30 2016). It also summarizes the two new sites that have not operated yet, Last Chance Road and WA Mud Creek. Data include recharge amounts, supporting groundwater level, groundwater quality, source water quality and soil quality data.

For Water Year 2016, water for the Locher Road site was sourced from the Walla Walla River at Gardena Farms Irrigation District #13's (GFID) main diversion just upstream of Mojonner Road. The water was delivered down the Gardena Farms Canal to the Locher Road site. A total of 525.59 acre-feet of water were delivered to the Locher Road site with an additional ~340 acre-feet of recharge water seeping into the ground during conveyance. Water for the Stiller Pond site was sourced from Mill Creek at a private diversion located downstream of Wallula Road. The water was delivered down a pipeline to the Stiller Pond site. A total of 278.06 acre-feet were delivered to the Stiller Pond site. The total amount of water diverted for the two aquifer recharge sites during WY2016 was ~1,143.65 acre-feet (~372.66 million gallons).

Water level and water quality data were collected in accordance to the approved monitoring plan (WWBWC, 2015). Down-gradient groundwater monitoring wells in the vicinity of the recharge sites responded to recharge activities, with groundwater elevations increasing and decreasing as recharge operations began and ended.

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

INTRODUCTION

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

HYDROLOGIC SETTING

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

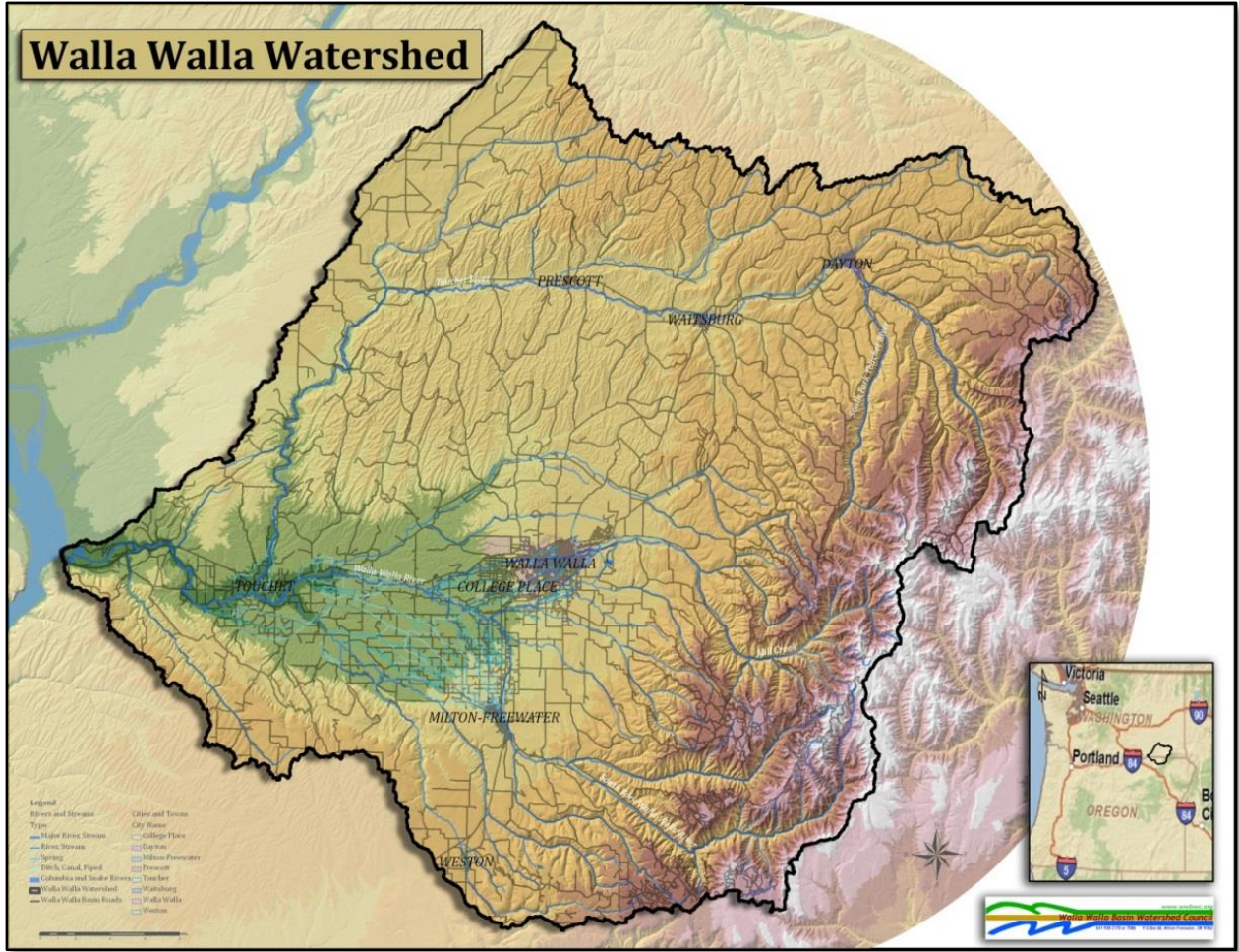


Figure 1 - The Walla Walla Watershed in Northeast Oregon and Southeast Washington.

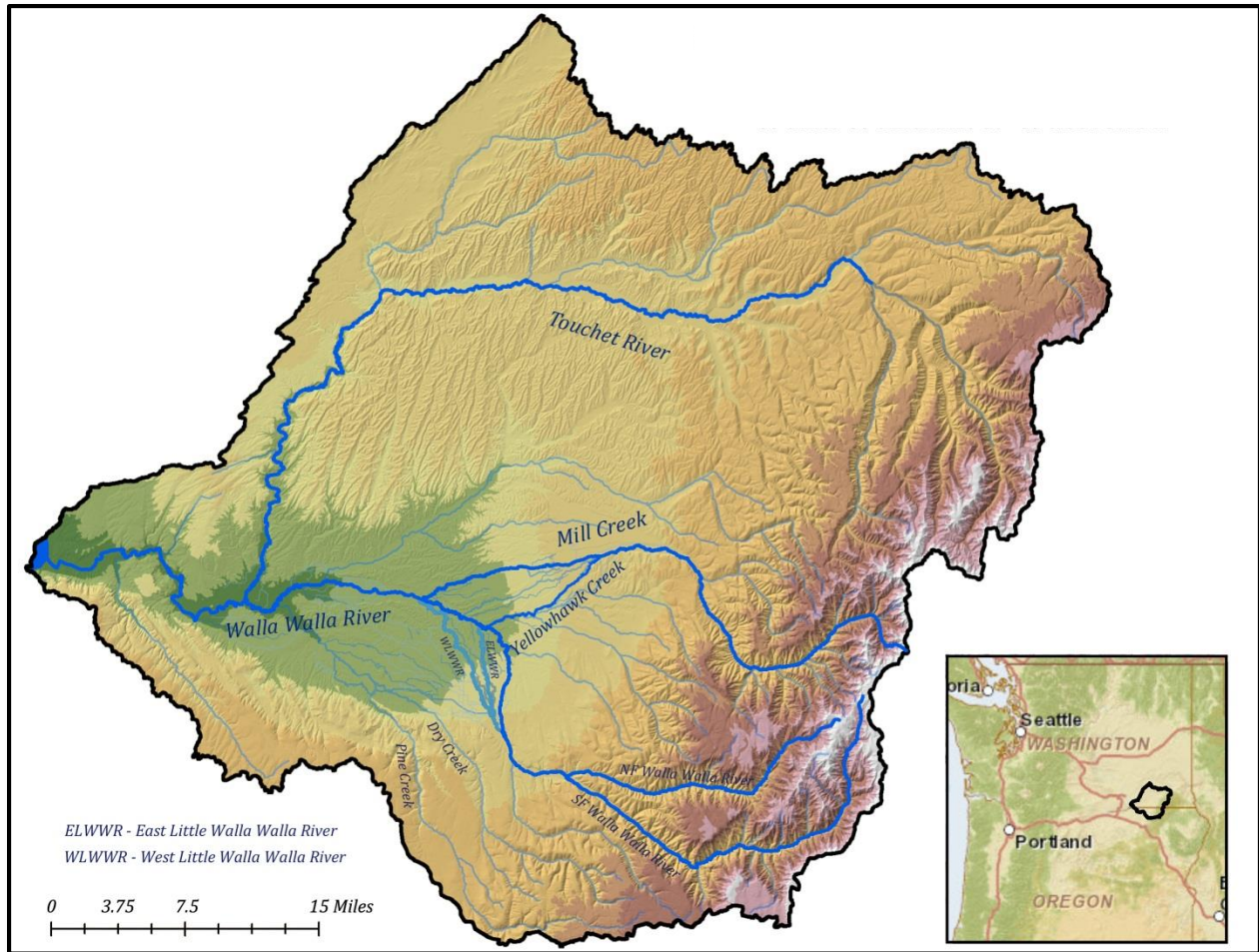


Figure 2 - The Walla Walla River and its major tributaries and distributaries.

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

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

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

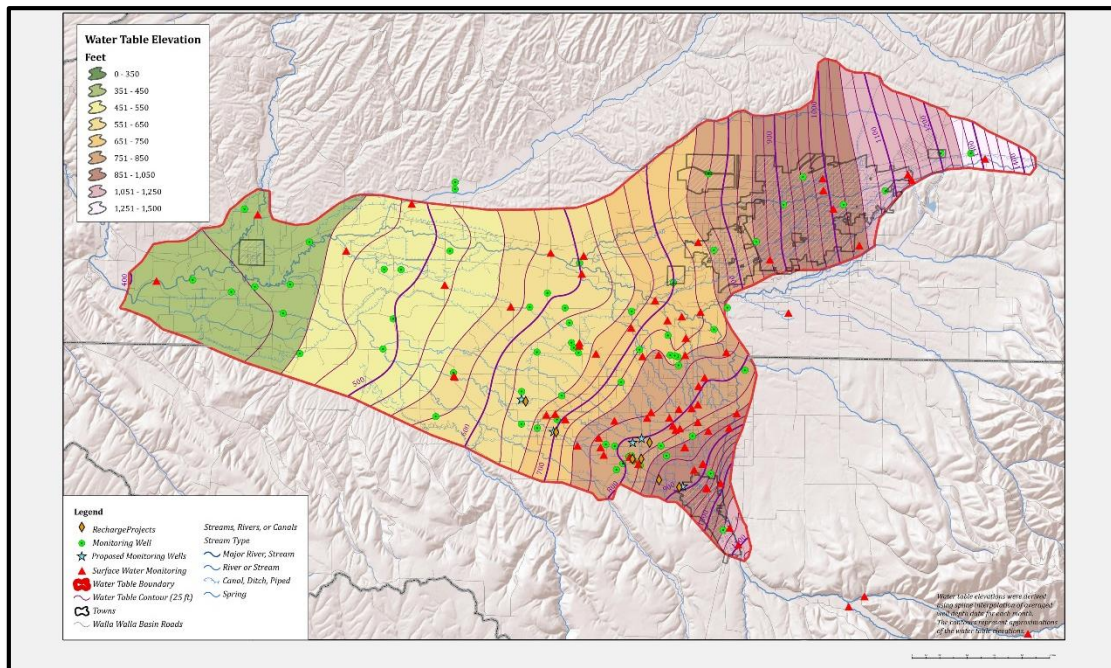


Figure 3 - Water table contours for the alluvial aquifer system.

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

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

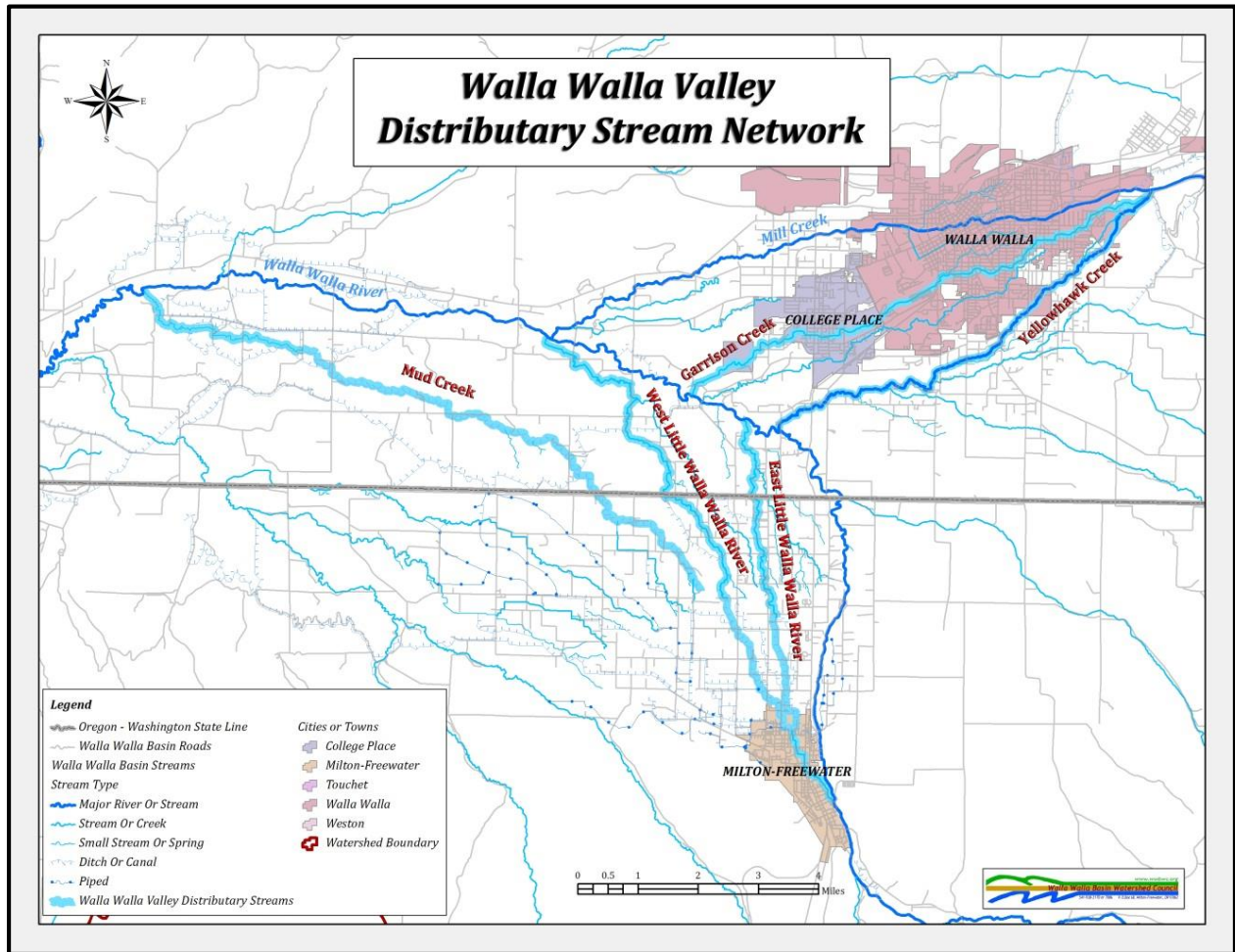


Figure 4 - Map of the distributary stream networks of the Walla Walla River and Mill Creek. Historically these stream networks conveyed winter and spring high flows across the valley’s alluvial fans allowing for reduced flood pressure on the mainstem rivers, provided off-channel habitat and provided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

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

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

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

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

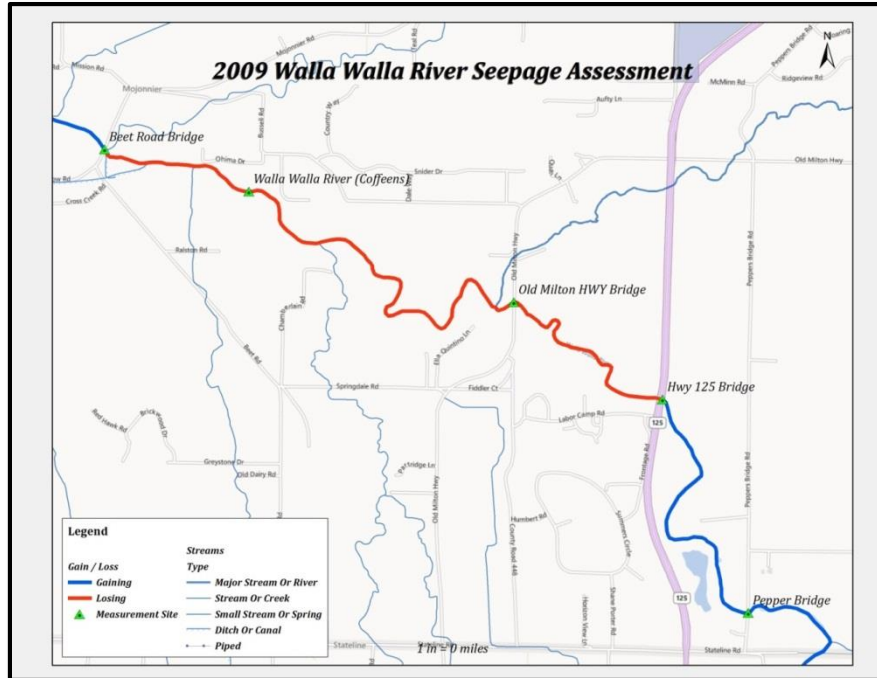


Figure 5 - Results from the water budget analysis of the Walla Walla River in August 2009. Color indicates a given reach as either gaining or losing. Gains indicate groundwater discharging to the river and losses indicate surface water seeping into the ground (see WWBWC, 2012 for details or www.wwbwc.org/monitoring/monitoring-reports.html).

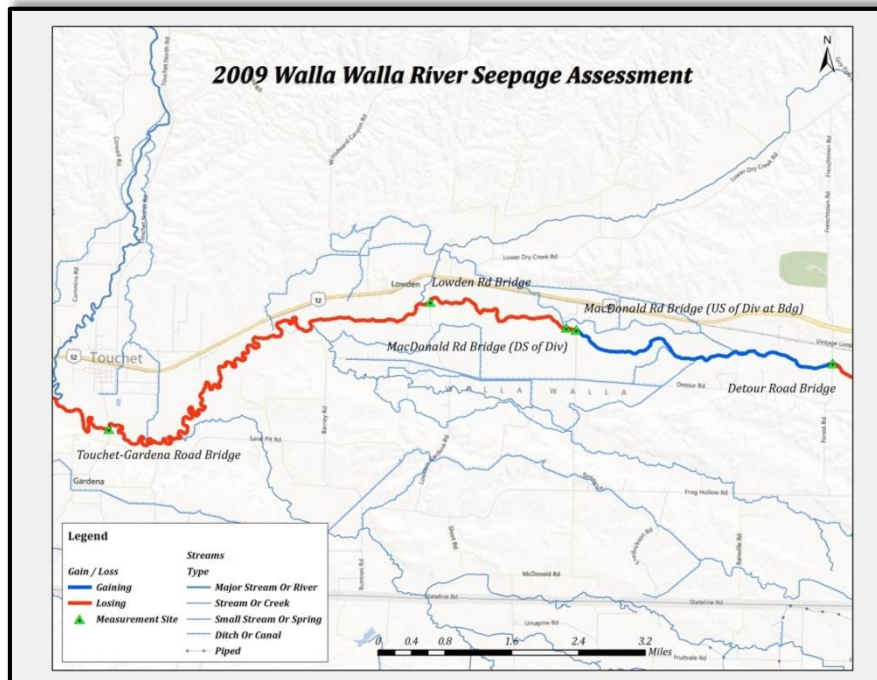


Figure 6 - Results from the water budget analysis of the Walla Walla River in August 2009. Color indicates a given reach as either gaining or losing. Gains indicate groundwater discharging to the river and losses indicate surface water seeping into the ground (see WWBWC, 2012 for details or www.wwbwc.org/monitoring/monitoring-reports.html).

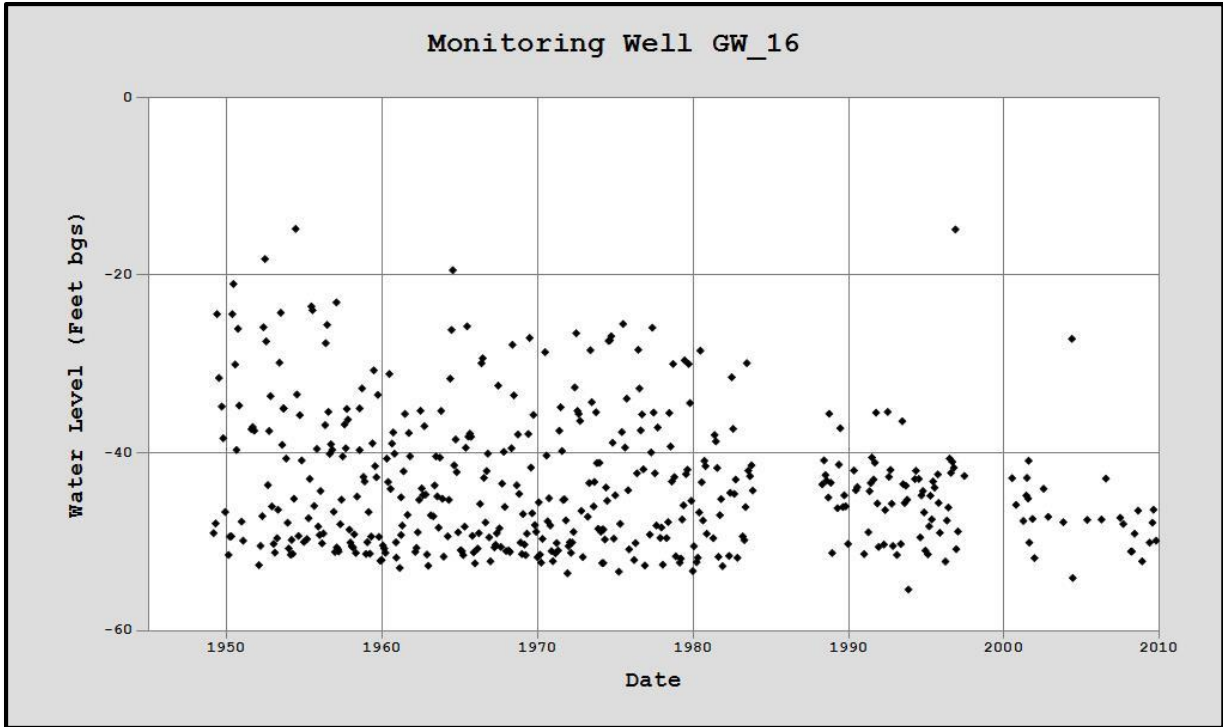


Figure 7 - Hydrograph for Monitoring Well GW_16 showing the long-term decline in the alluvial aquifer system in the Walla Walla Basin.

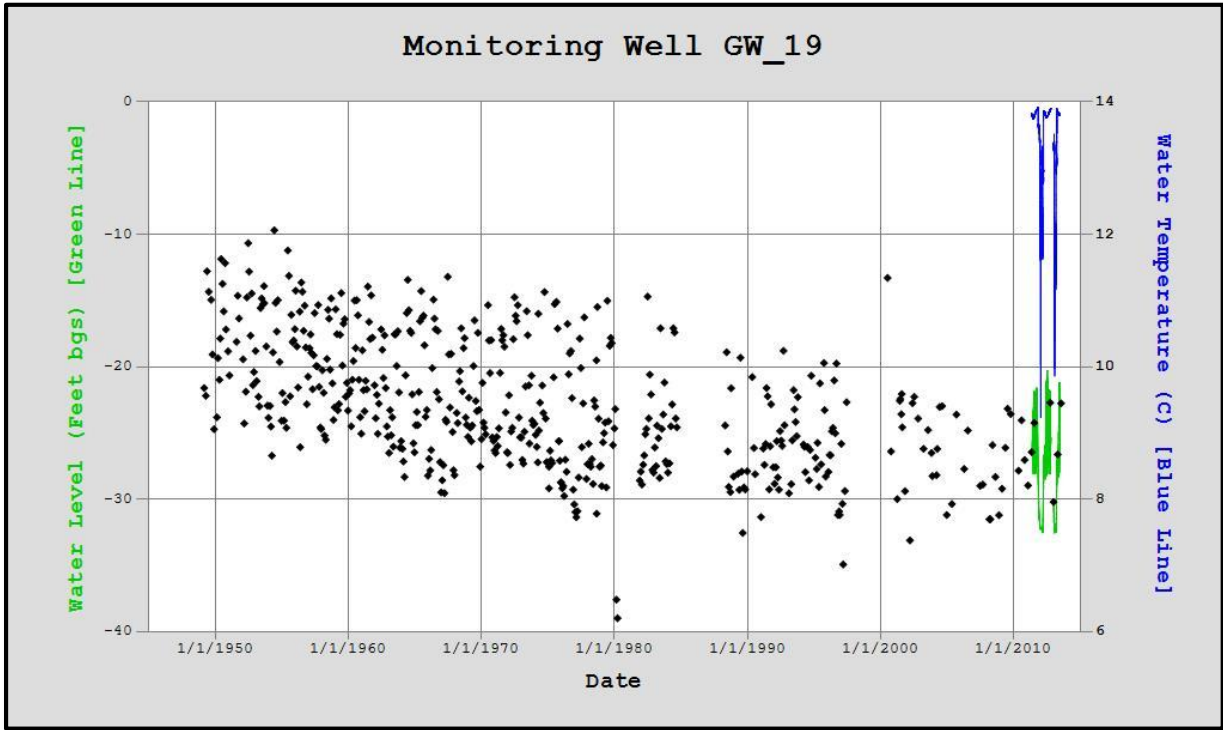


Figure 8- Hydrograph for Monitoring Well GW_19 showing the long-term decline in the alluvial aquifer system in the Walla Walla Basin.

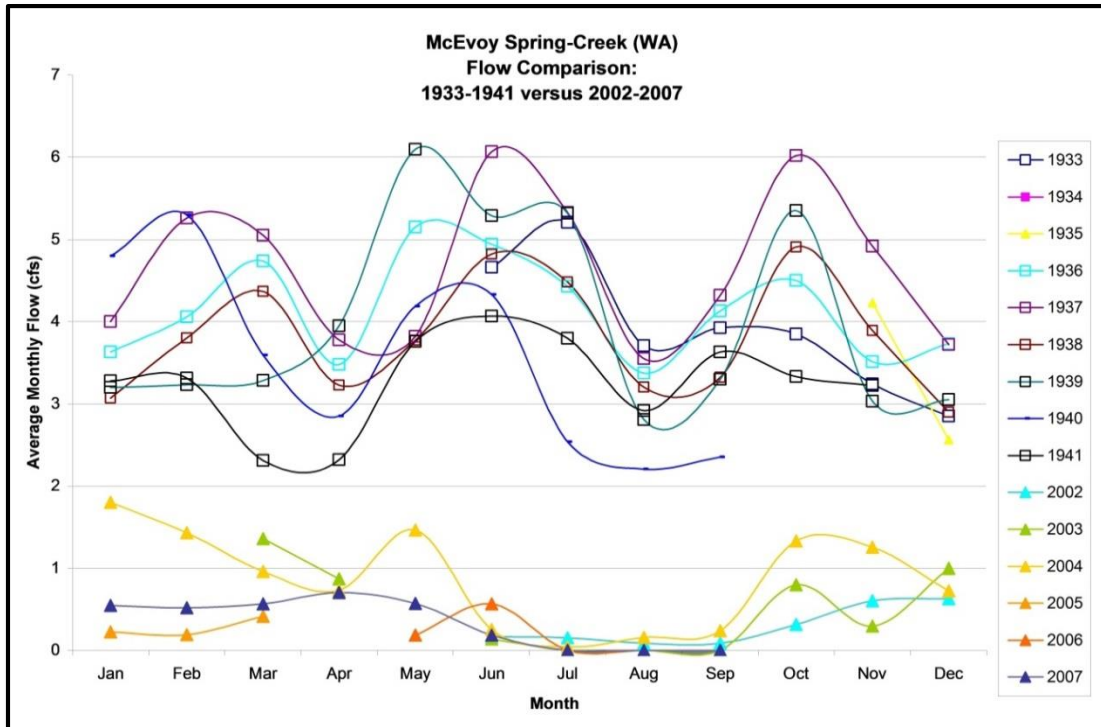


Figure 9 - Hydrograph for McEvoy Spring Creek located just north of the WA-OR state line. Hydrograph shows the decline in spring performance over the last 80 years.

AQUIFER RECHARGE SITES

LOCHER ROAD

The Locher Road site (Figure 10), located at the intersection of Stateline Road and Locher Road, is a former gravel quarry that has been operated by Gardena Farms Irrigation District #13 (GFID) as an aquifer recharge (AR) site since 2007. From 2006-2007 through the end of the 2010-2011 season, approximately 1/3 acre of the 4+ acre site was utilized for recharge. In late 2011, the site was reconstructed to allow infiltration over a 2.5 acre portion of the site (Figures 11-15). Inflow volume rates at the site increased from approximately 1.3 cfs to 3.5+ cfs. Total recharge volumes for the season are described below in the results section.

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

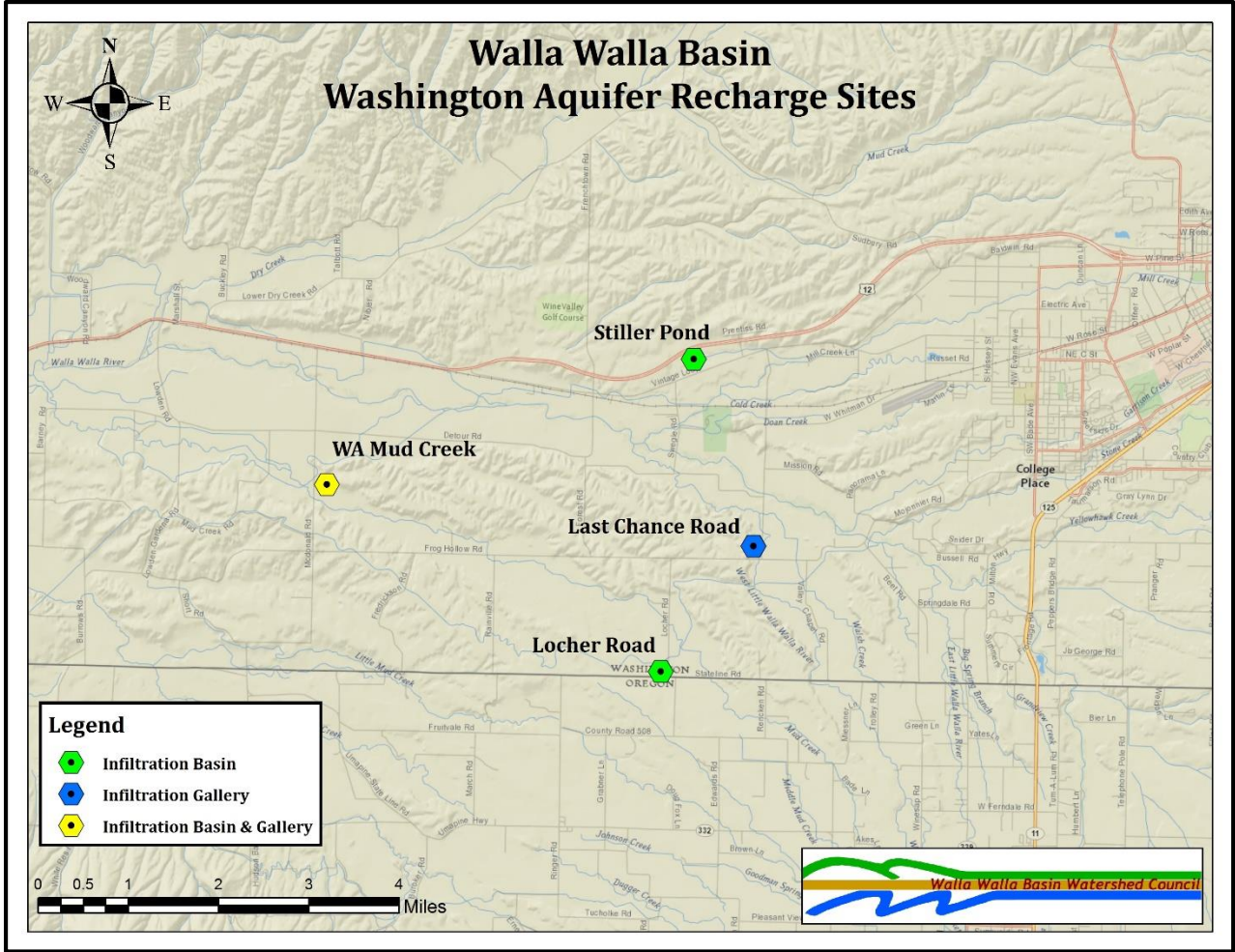


Figure 10 – Walla Walla Basin Washington Aquifer Recharge Sites.

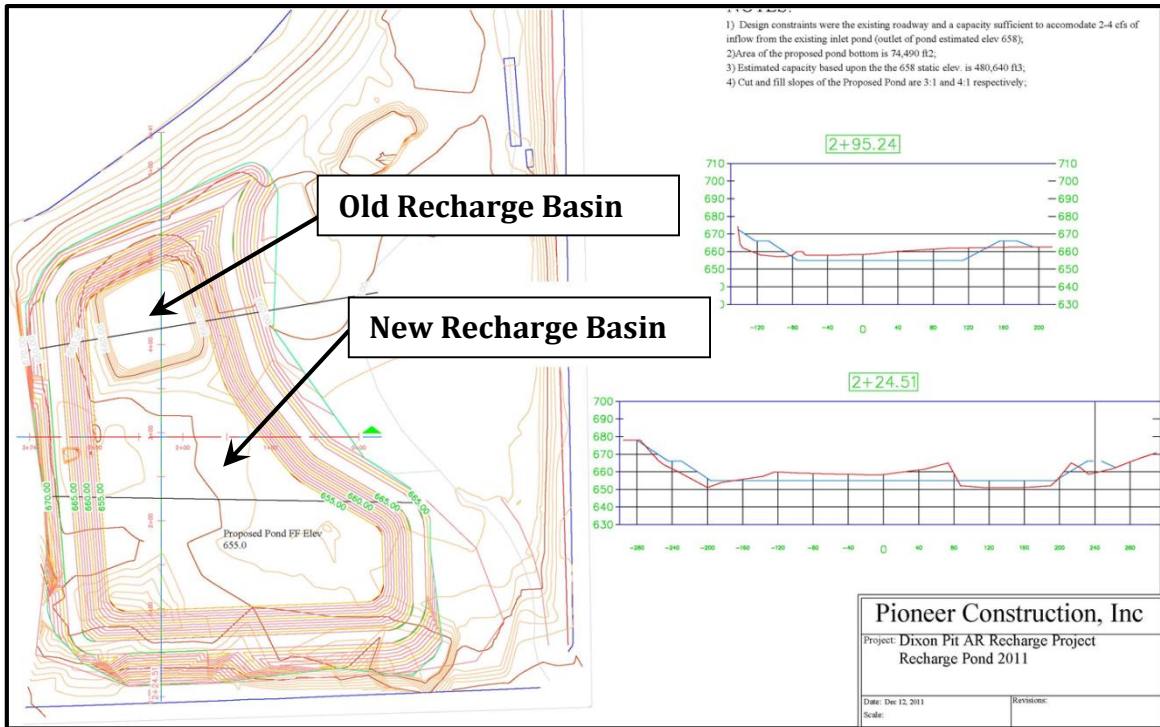


Figure 11 - Preliminary design for expansion of the Locher Road site's main recharge basin in late 2011.



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



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



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

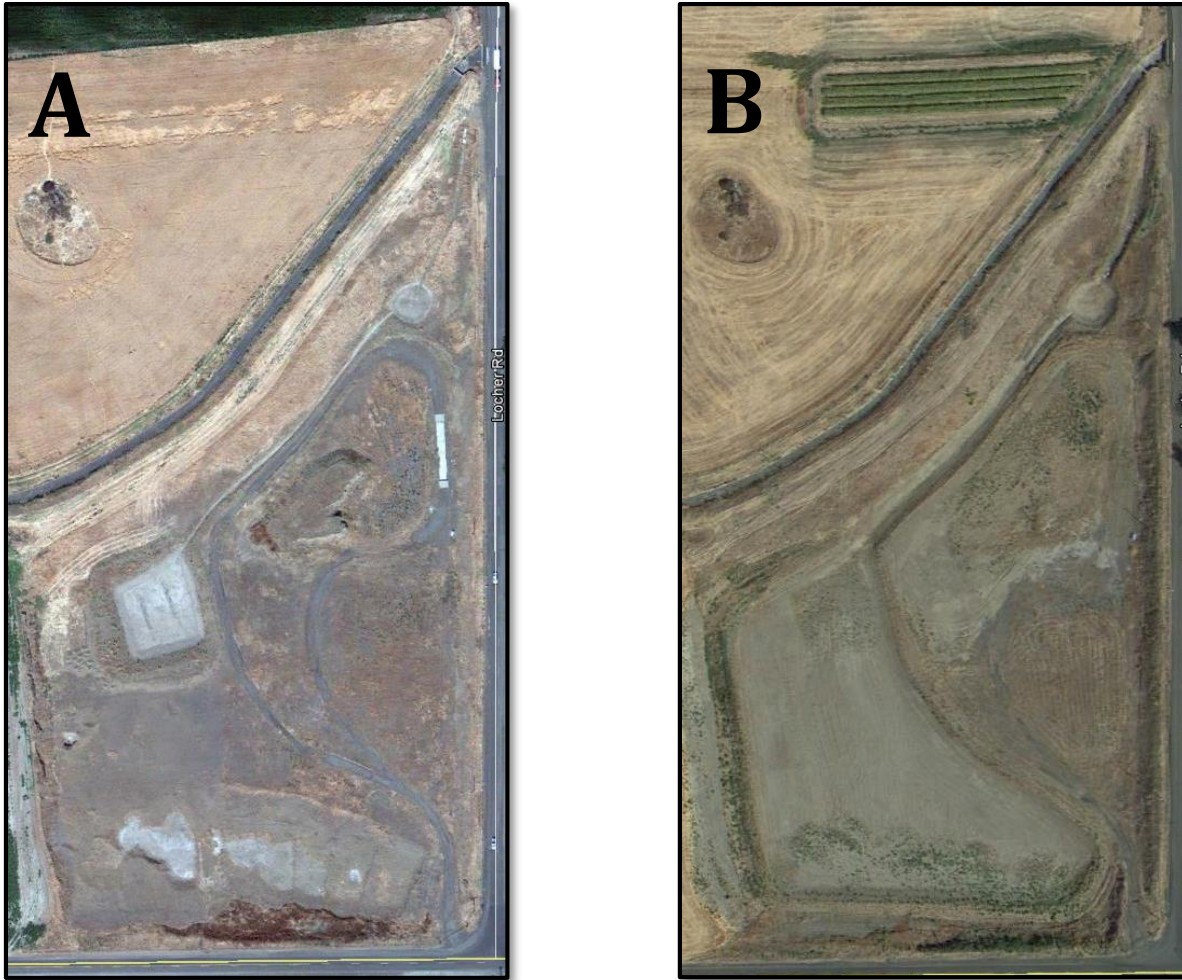


Figure 15 - Aerial photographs showing the Locher Road site before (A) and after (B) the expansion that occurred in December 2011. The diversion and settling pond were not changed. During the expansion work, the ditch from the diversion flume to the settling pond was reinforced with additional rock and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

STILLER POND

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

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

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



Figure 16 - Stiller Pond Aquifer Recharge site during operations.

LAST CHANCE ROAD

The Last Chance Road site was constructed in June 2015 (Figure 10, 17 and 18). The site did not operate during the 2015 or 2016 recharge seasons, but is ready for future operations. The site includes two recharge features, an infiltration gallery and a new open ditch along the hillside. The project also installed a fish screen on the diversion from the West Little Walla Walla River. This site is currently permitted under a Local Water Plan with the Walla Walla Watershed Management Partnership (WWWMP) to recharge up to 250 acre-feet per year from November 1-May 30. Minimum instream flows (1 cfs) for the site will be measured at the WWBWC's gauge on the West Little Walla Walla River at Swegle Road (S-227). In its current configuration, the Last Chance Road site can recharge up to 1 cfs of water from the West Little Walla Walla River. If the site operates in the future, an Environmental Enhancement Project permit may be sought for the site (WWWMP, 2014).



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



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

WA MUD CREEK

The WA Mud Creek site was constructed in the fall of 2015, but did not operate during the 2016 recharge season (Figure 10). The site encompasses two recharge areas with water delivered via two separate irrigation ditches. The first recharge area will be supplied by the Gardena Farms Canal on the south side of the property. Water from this canal will feed into an infiltration gallery in a draw up-gradient of Mud Creek. The second recharge area will be supplied by the Lowden #2 ditch on the northern side of the property. Water from this ditch will feed into an infiltration field within an existing pasture. The pasture will be reconfigured to enhance infiltration as much as possible. This site is currently permitted under a Local Water Plan with the Walla Walla Watershed Management Partnership (WWWMP) to recharge up to 783.7 acre-feet per year from November 1-May 30. The designed recharge areas are estimated to recharge approximately 1.5-2 cfs between the two sites. If the site operates in the future, an Environmental Enhancement Project permit may be sought for the site (WWWMP, 2014a).

WATER YEAR 2016 RECHARGE SEASON RESULTS

LOCHER ROAD

OVERVIEW

During the WY2016 recharge season, the Locher Road site operated under the Local Water Plan authorization because the temporary authorization had expired. The site operated from early February until early May. Minimum in-stream bypass flows did not prevent the site from operating during the WY2016 season until the early May. Site operations were shut down due to low instream flows in early May. (Figure 19).

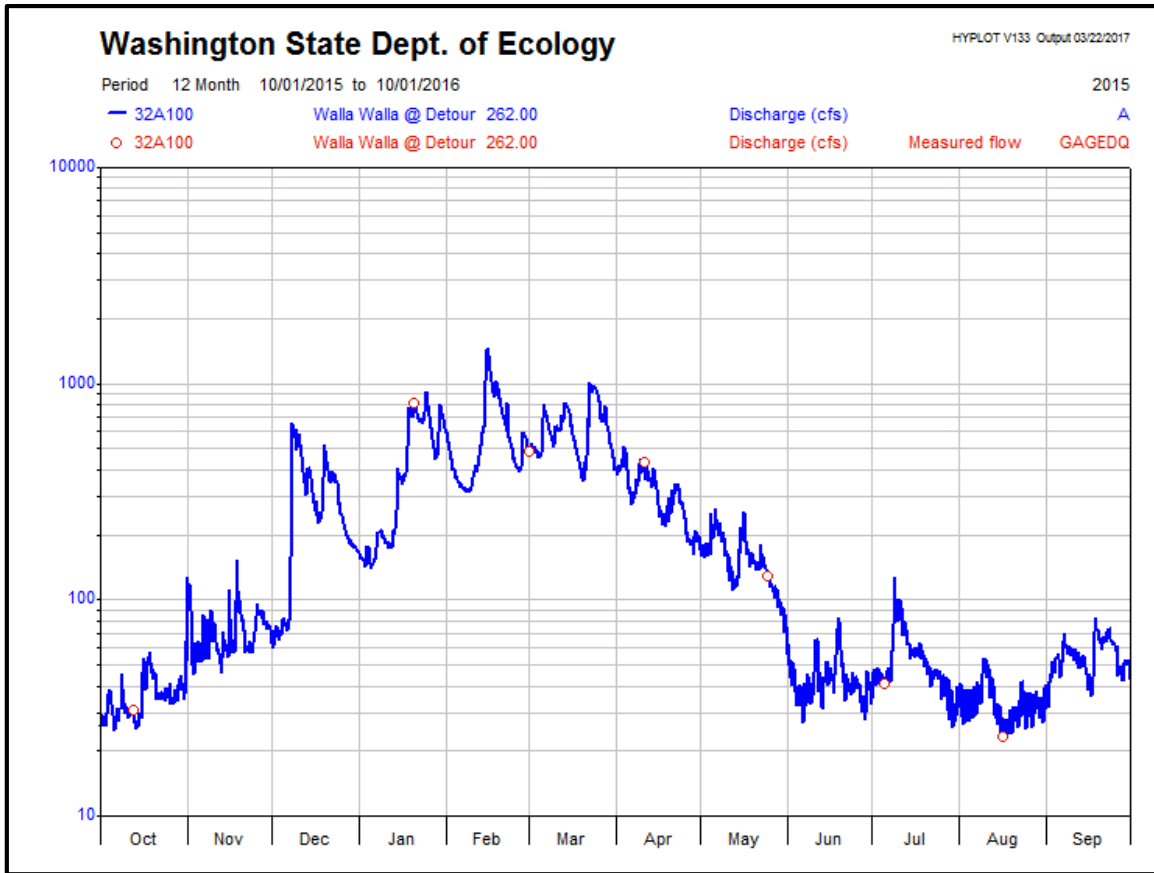


Figure 19 – Water Year 2016 hydrograph for Washington Department of Ecology's Walla Walla River at Detour Road (32A100) gage.

ALLUVIAL WELL RESPONSES

Groundwater monitoring (Figure 20) at the Locher Road site includes four “on-site” monitoring wells (GW_57, GW_70, GW_71 and GW_72), three down-gradient monitoring wells (GW_108, GW_110 and GW_122) and two down-gradient irrigation wells (GW_103 and GW_104). The four on-site wells surround the site with GW_70 up-gradient, GW_72 and GW_57 immediately down-gradient of the site and GW_71 farther down-gradient. Wells 70, 71 and 72 are shallow alluvial aquifer monitoring wells that were drilled in 2005 to monitoring site operations and aquifer response while well 57 was drilled in 1972-73 to be fully open to the entire gravel sequence. The “on-site” monitoring wells all show a similar response to canal and recharge operations (Figures 21-24). Water levels rise in early October with the start of the Gardena Farms Canal for fall irrigation. The canal was turned off in early-mid December. Starting in early December water levels show neutral to declining conditions until the canal turned on again in early February. Water levels increase due to aquifer recharge operations from early February through late April. Down-gradient wells do not show the same rapid response to canal or recharge operations (Figures 25-27). One of the offsite, distal, monitoring wells, GW_108, also show the influence of nearby groundwater pumping on alluvial aquifer water levels during recharge operations.

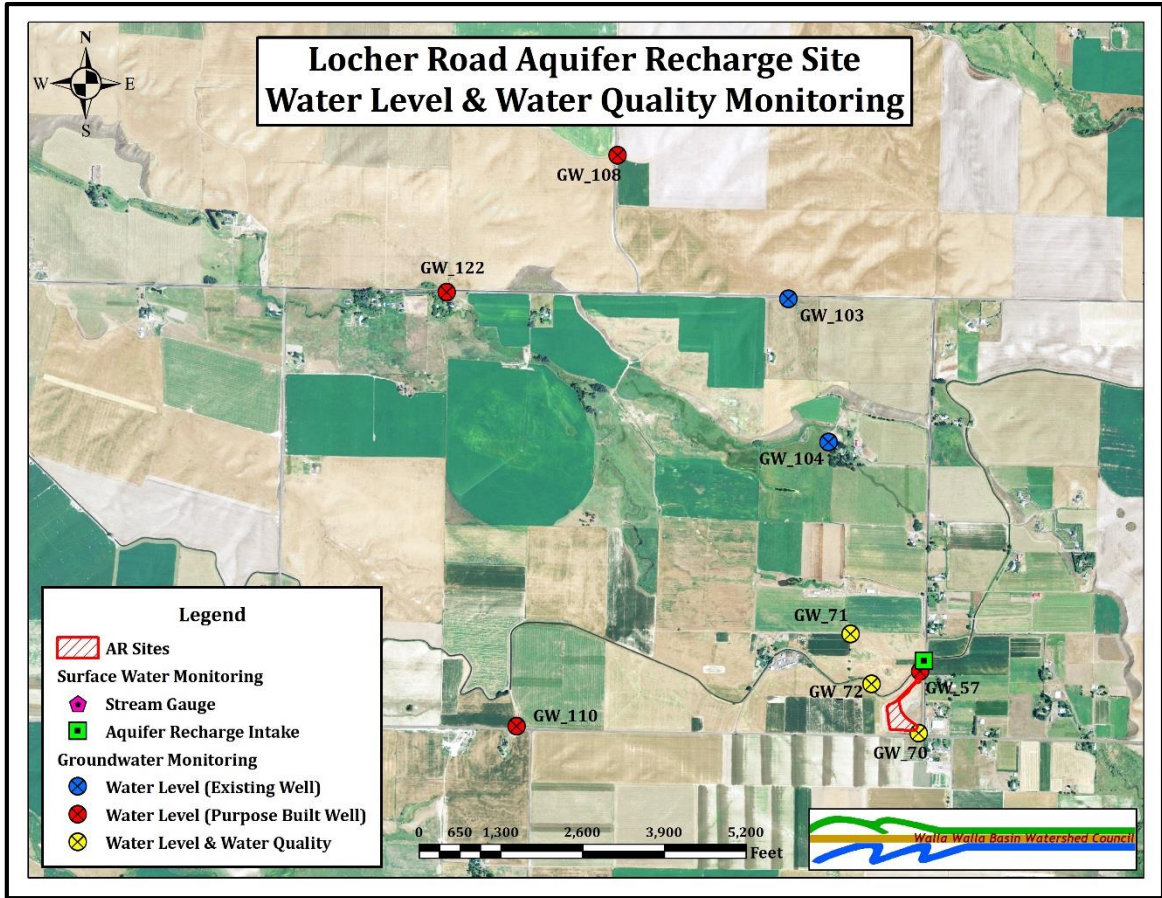


Figure 20 – Map showing groundwater monitoring sites for the Locher Road Aquifer Recharge Site.

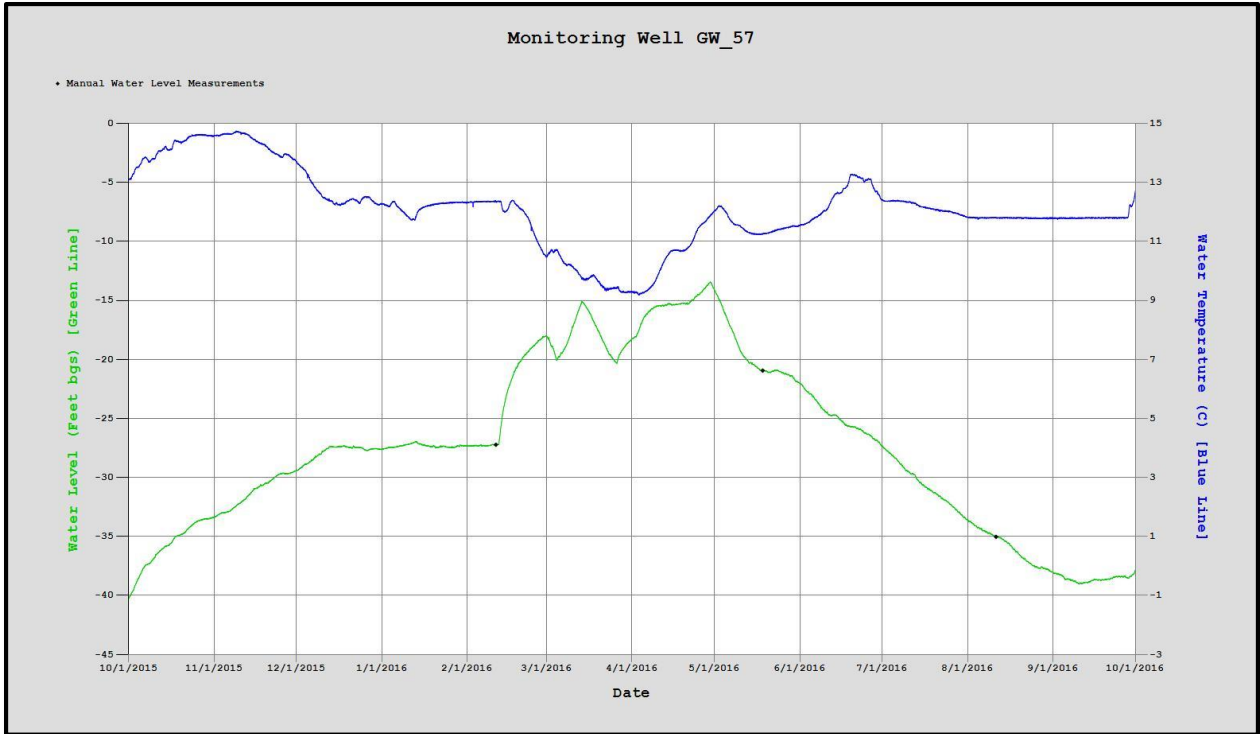


Figure 21 - Hydrograph for GW_57 during the WY 2016 recharge season.

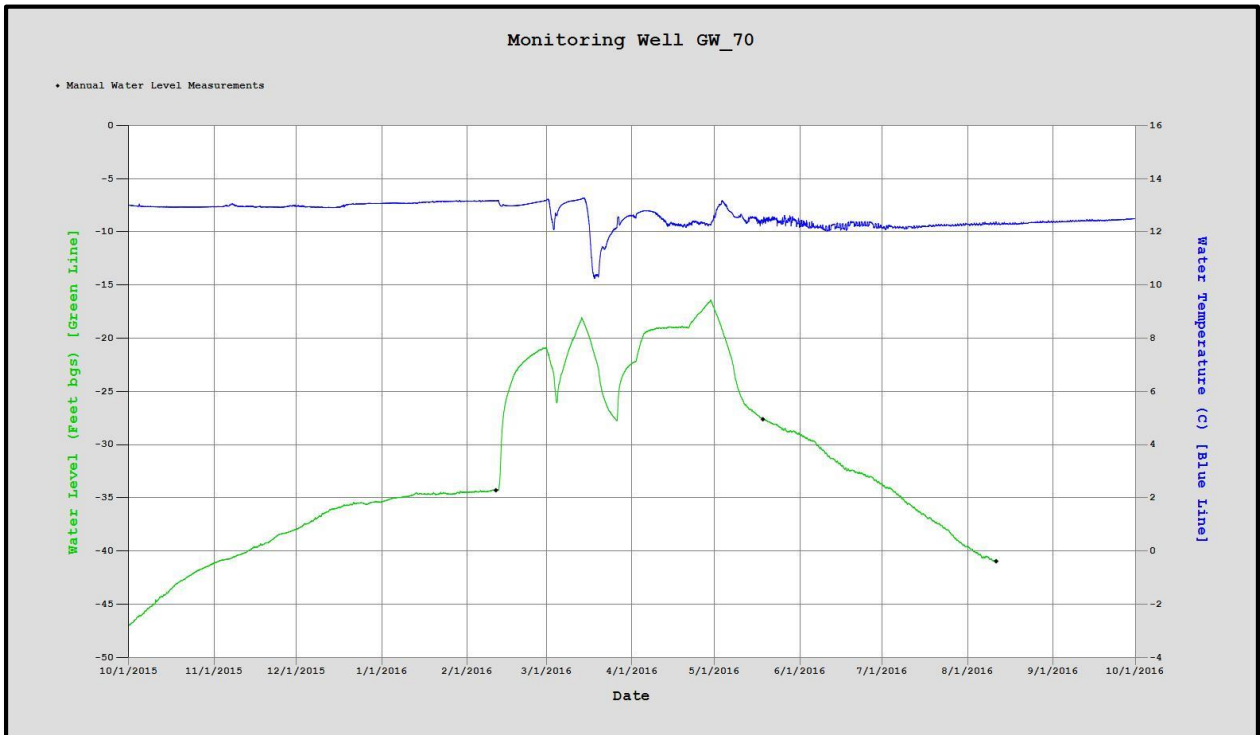


Figure 22 - Hydrograph for GW_70 during the WY 2016 recharge season.

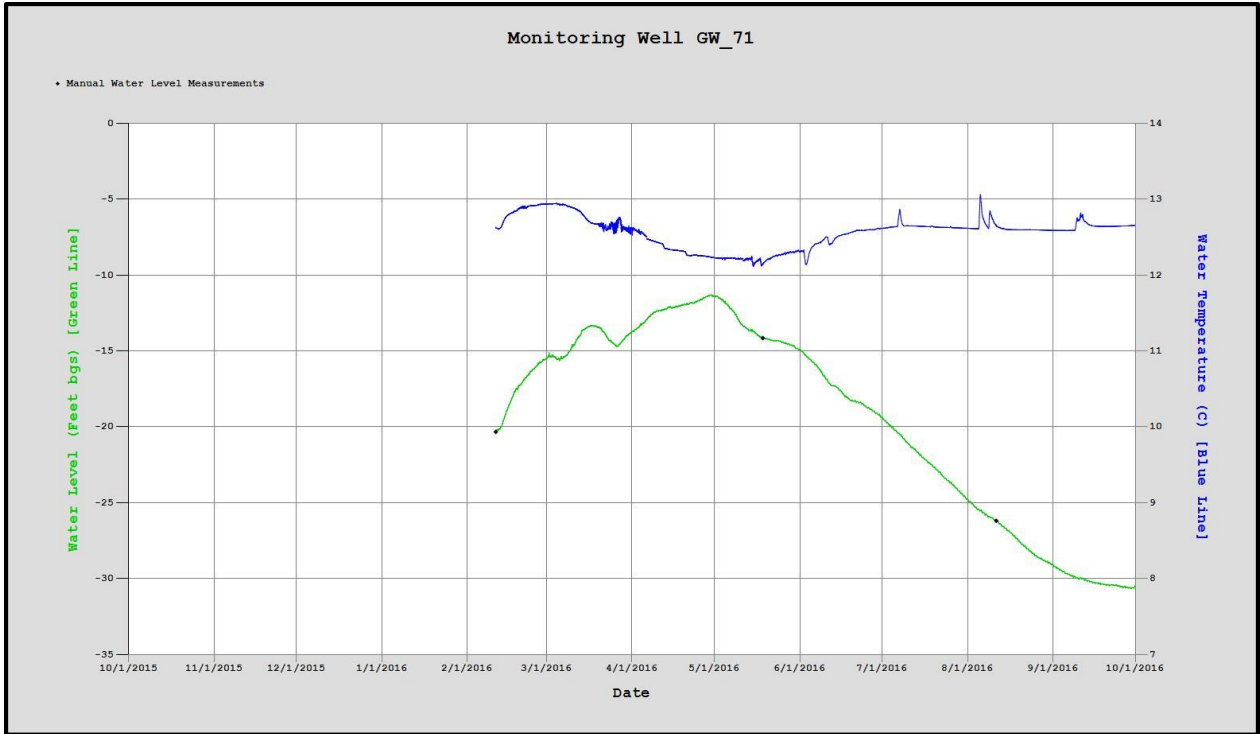


Figure 23 - Hydrograph for GW_71 during the WY 2016 recharge season. The pressure transducer failed sometime before early February, 2016.

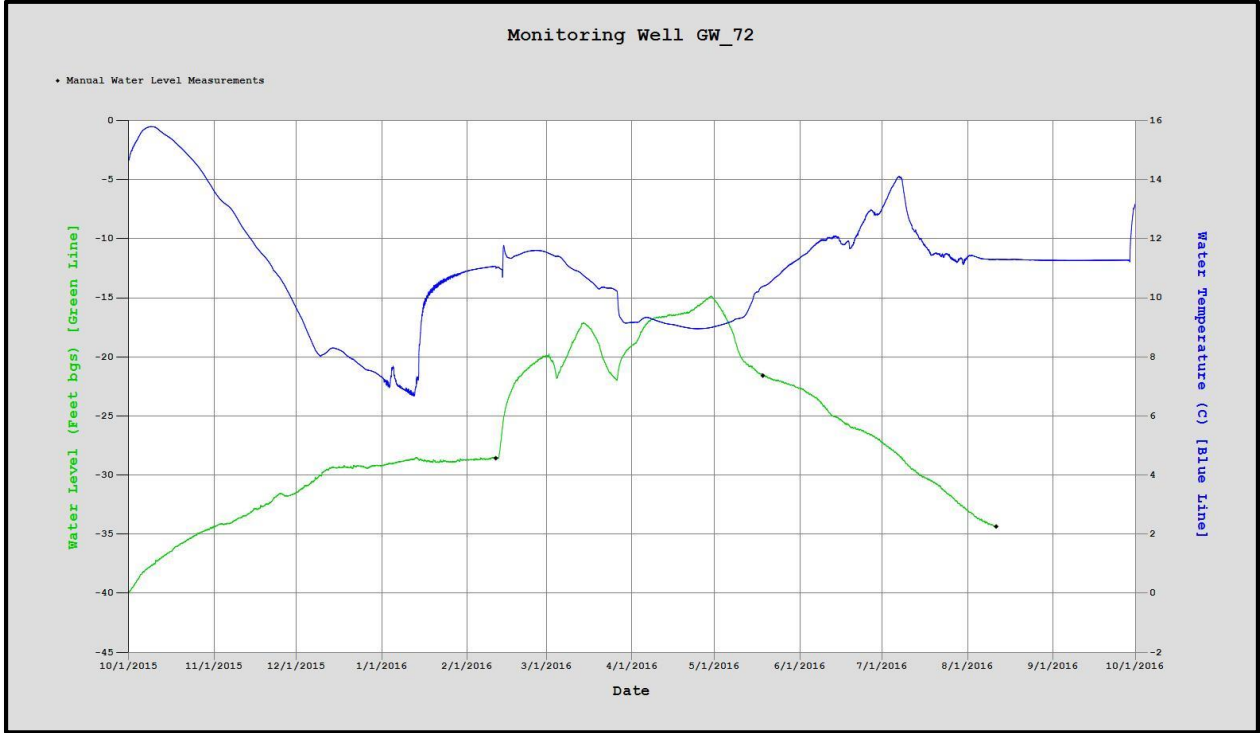


Figure 24 - Hydrograph for GW_72 during the WY 2016 recharge season.

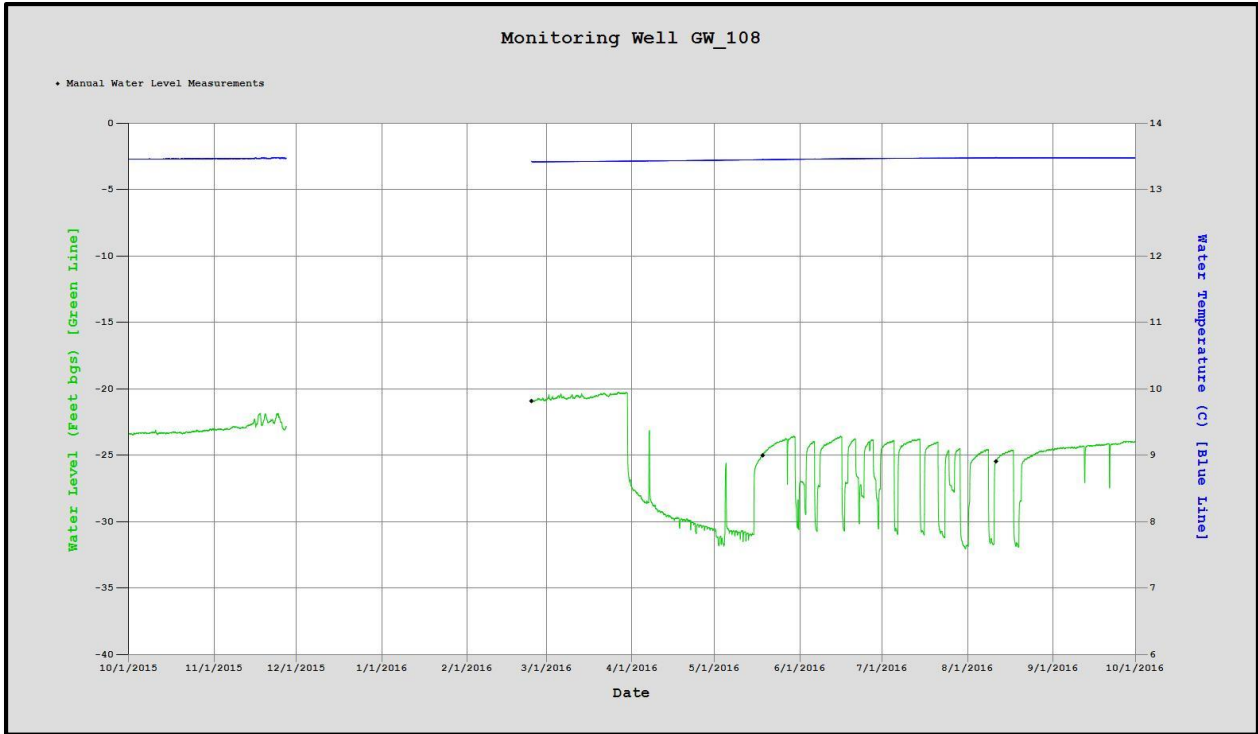


Figure 25 - Hydrograph for GW_108 during the WY 2016 recharge season. The pressure transducer failed sometime in before mid-february.

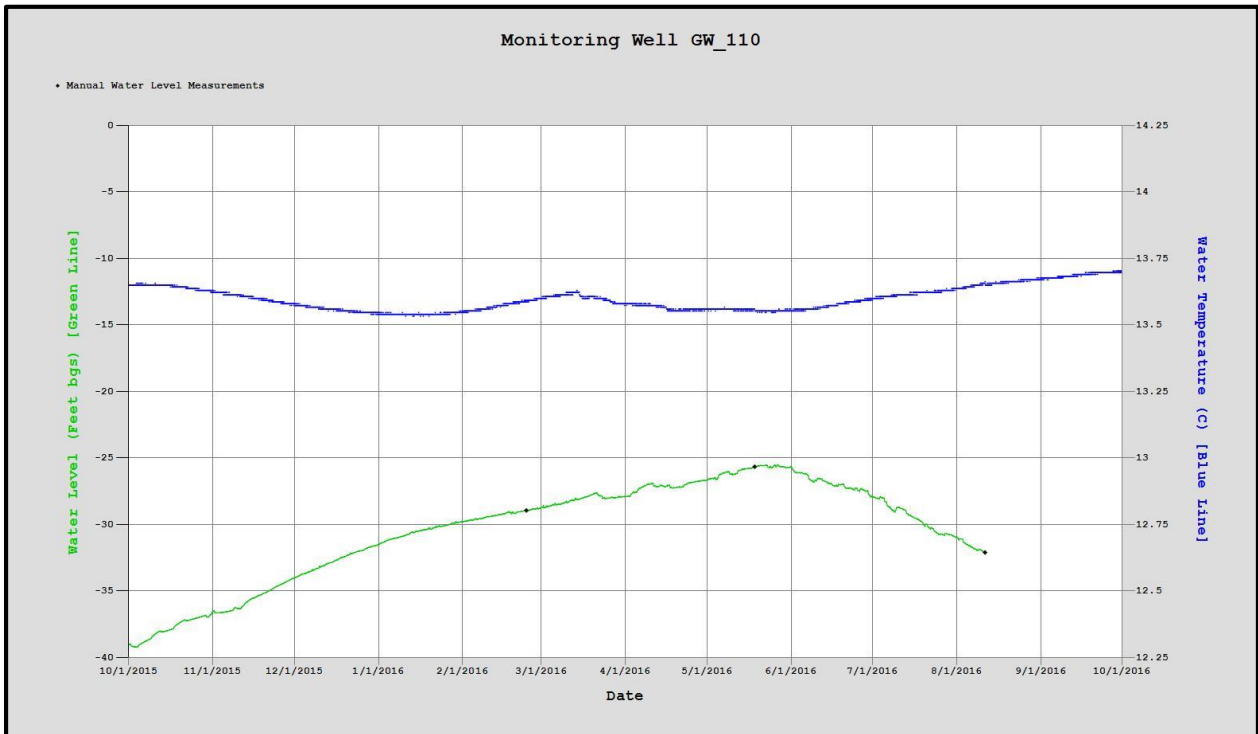


Figure 26 - Hydrograph for GW_110 during the WY 2016 recharge season.

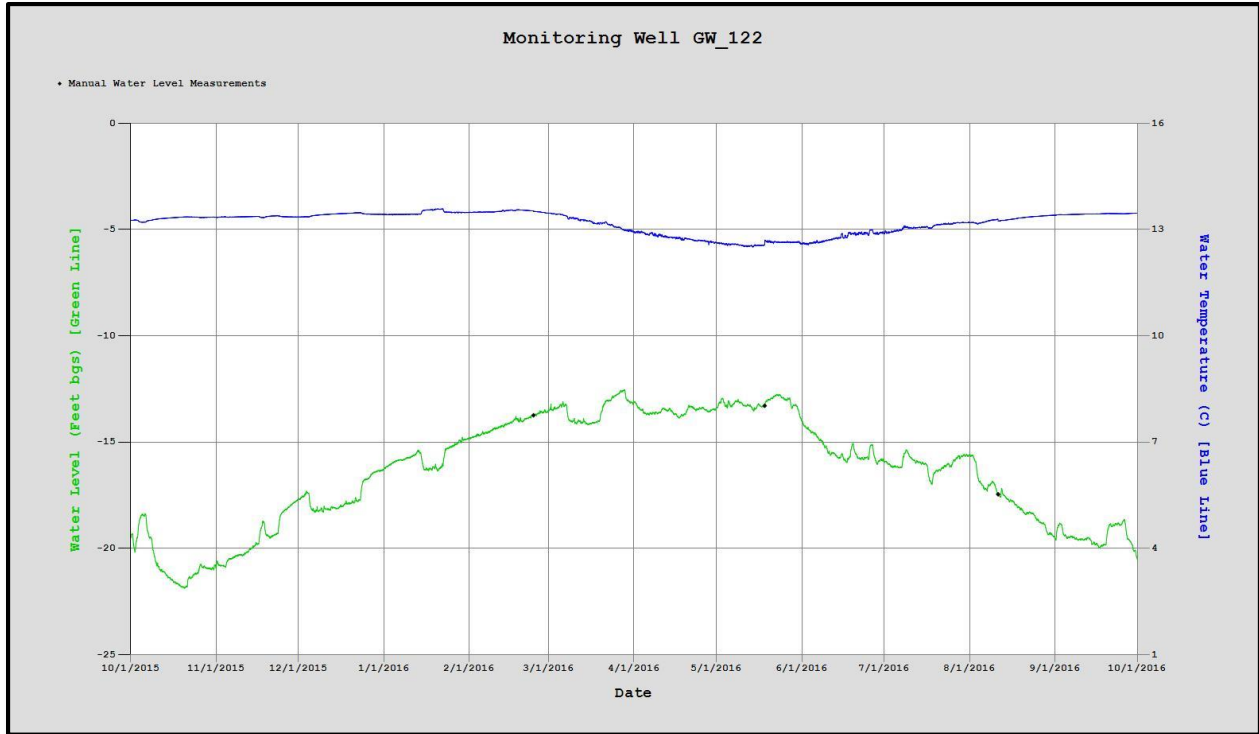


Figure 27 - Hydrograph for GW_122 during the WY 2016 recharge season.

WATER QUALITY

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

SOURCE WATER

Sample Parameter	February 2 nd , 2016	April 6 th , 2016	May 11 th , 2016
pH	7.40	7.54	7.78
Nitrates (mg/L)	0.35	0.19	0.65
Calcium (mg/L)	7.5	7.5	13.2
Total Dissolved Solids (TDS) (mg/L)	86	68	105
Chloride (mg/L)	0.9	0.89	2.06
Total DCPA (Dacthal) (µg/L)	0.12	0.16	0.67
Polychlorinated Biphenyls (pg/L)	32.9	68.5	1490

UP-GRADIENT WELL (GW_70 - L1)

Sample Parameter	February 2 nd , 2016	April 6 th , 2016	May 11 th , 2016
pH	7.17	6.95	6.87
Nitrates (mg/L)	6.72	0.25	3.31
Calcium (mg/L)	37.8	9.8	23.4
Total Dissolved Solids (TDS) (mg/L)	273	95	174
Chloride (mg/L)	6	1.10	3.31
Total DCPA (Dacthal) (µg/L)	ND	0.10	ND
Polychlorinated Biphenyls (pg/L)	713	1110	1120

MID-GRADIENT WELL (GW_72 - L3)

Sample Parameter	February 2 nd , 2016	April 6 th , 2016	May 11 th , 2016
pH	7.24	6.88	6.76
Nitrates (mg/L)	3.23	1.41	0.86
Calcium (mg/L)	17.5	10.6	11.1
Total Dissolved Solids (TDS) (mg/L)	147	101	98
Chloride (mg/L)	2.4	0.95	1.67
Total DCPA (Dacthal) (µg/L)	ND	0.04	ND
Polychlorinated Biphenyls (pg/L)	681	699	1130

DOWN-GRADIENT WELL (GW_71 - L2)

Sample Parameter	February 2 nd , 2016	April 6 th , 2016	May 11 th , 2016
pH	7.12	6.62	6.82
Nitrates (mg/L)	3.45	22	10
Calcium (mg/L)	24	53.3	34.3
Total Dissolved Solids (TDS) (mg/L)	190	373	250
Chloride (mg/L)	4.3	4.63	4.03
Total DCPA (Dacthal) (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	710	1120	984

STILLER POND

OVERVIEW

The WWCCD operated the Stiller Pond Aquifer Recharge site during the WY2016 recharge season. WWBWC staff collected monitoring data, including water quality samples while WWCCD managed and collected inflow data. The Stiller Pond site operated under the WWWWMP Local Water Plan LW-10-02 which allows 32 acre-feet to be recharged to the shallow alluvial aquifer and the EEP temporary authorization for up to 991 acre-feet. Minimum in-stream flows did not prevent the site from operating during the WY2016 season until the early part of April (Figures 19, 28 and 29). Mill Creek was monitored at two locations, above the site at Wallula Road (Figure 28) and below the site at Sweogle Road (Figure 29). During the WY2016 recharge season 278.06 acre-feet of water was delivered to the site.

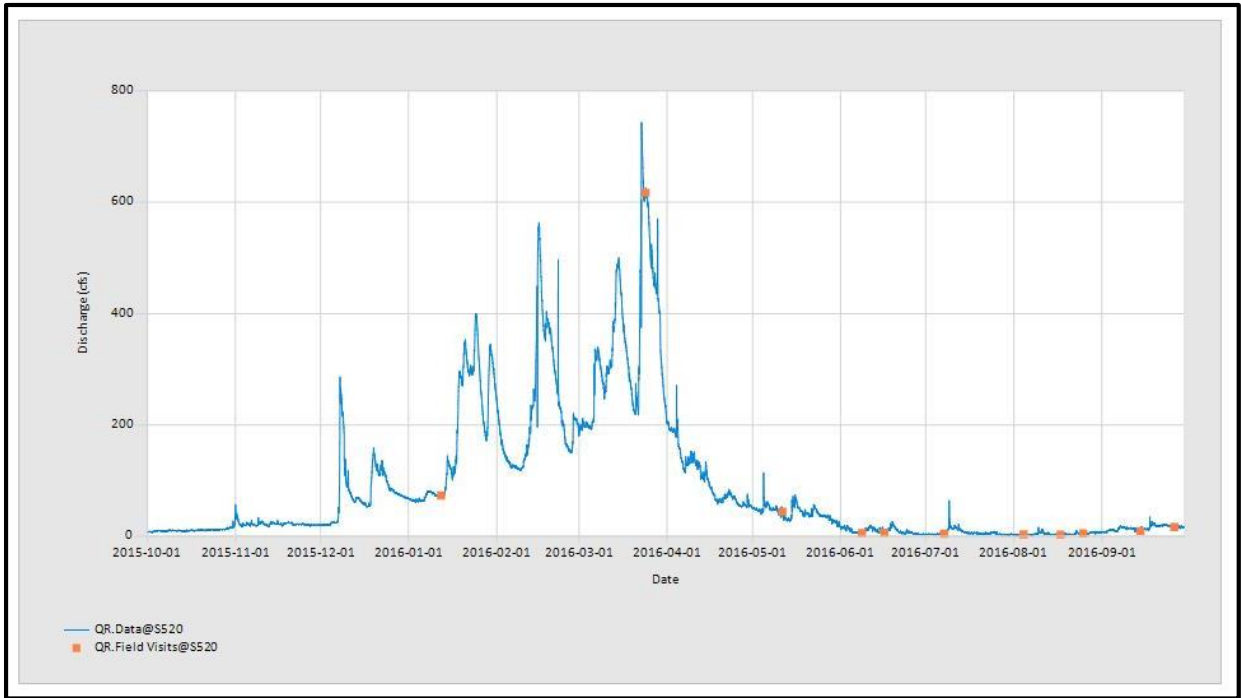


Figure 28 - 2016 hydrograph for WWBWC's Mill Creek at Wallula Road (S520) gage.

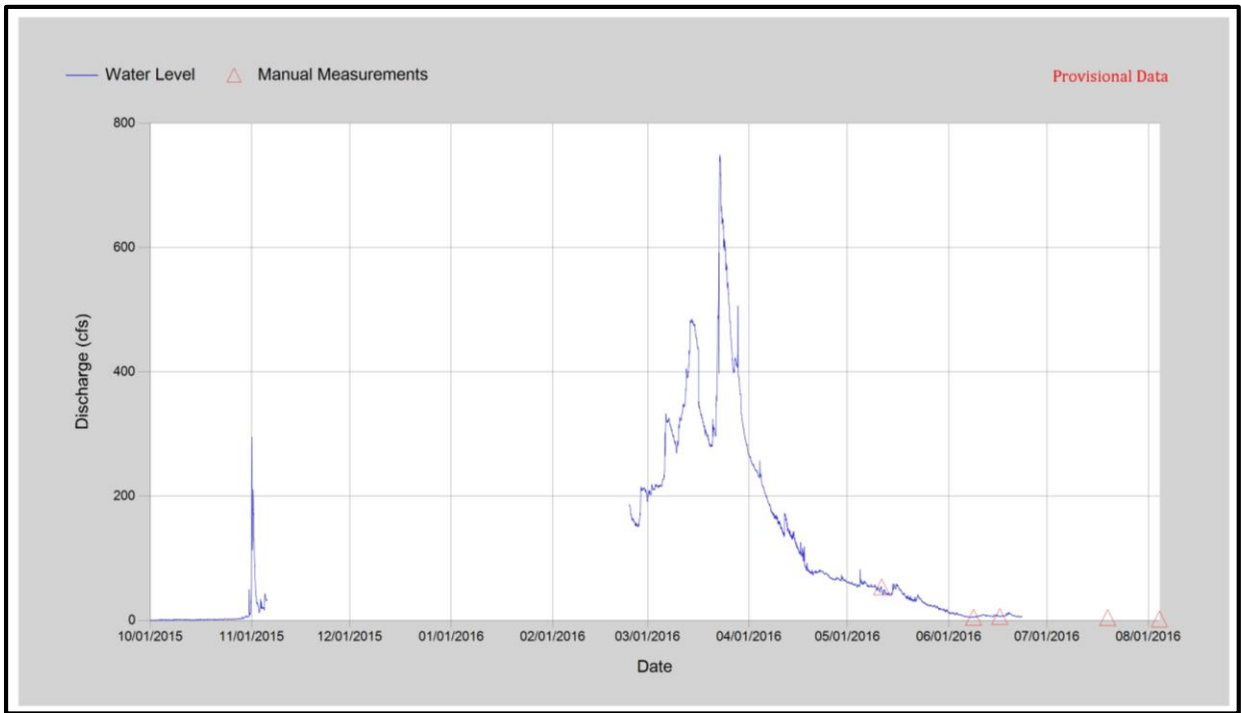


Figure 29 - 2016 hydrograph for WWBWC's Mill Creek at Swegle Road (S512) gage. Note, this site was started once recharge operations started.

ALLUVIAL WELL RESPONSES

Groundwater monitoring (Figure 30) at the Stiller Pond site includes four on-site monitoring wells (GW_136, GW_145, GW_146 and GW_147). The four on-site wells surround the site with GW_147 up-gradient, GW_136 immediately down-gradient of the site and GW_145 and GW_146 farther down-gradient. All of the on-site wells are purpose-built monitoring wells. All of the on-site wells show a similar response during and after recharge operations (Figures 31-34). Water levels start to rise coinciding with the start of recharge operations. Water levels appear to peak in late March or early April coinciding with the end of recharge operations. After recharge operations end in early April, water levels start to decline.

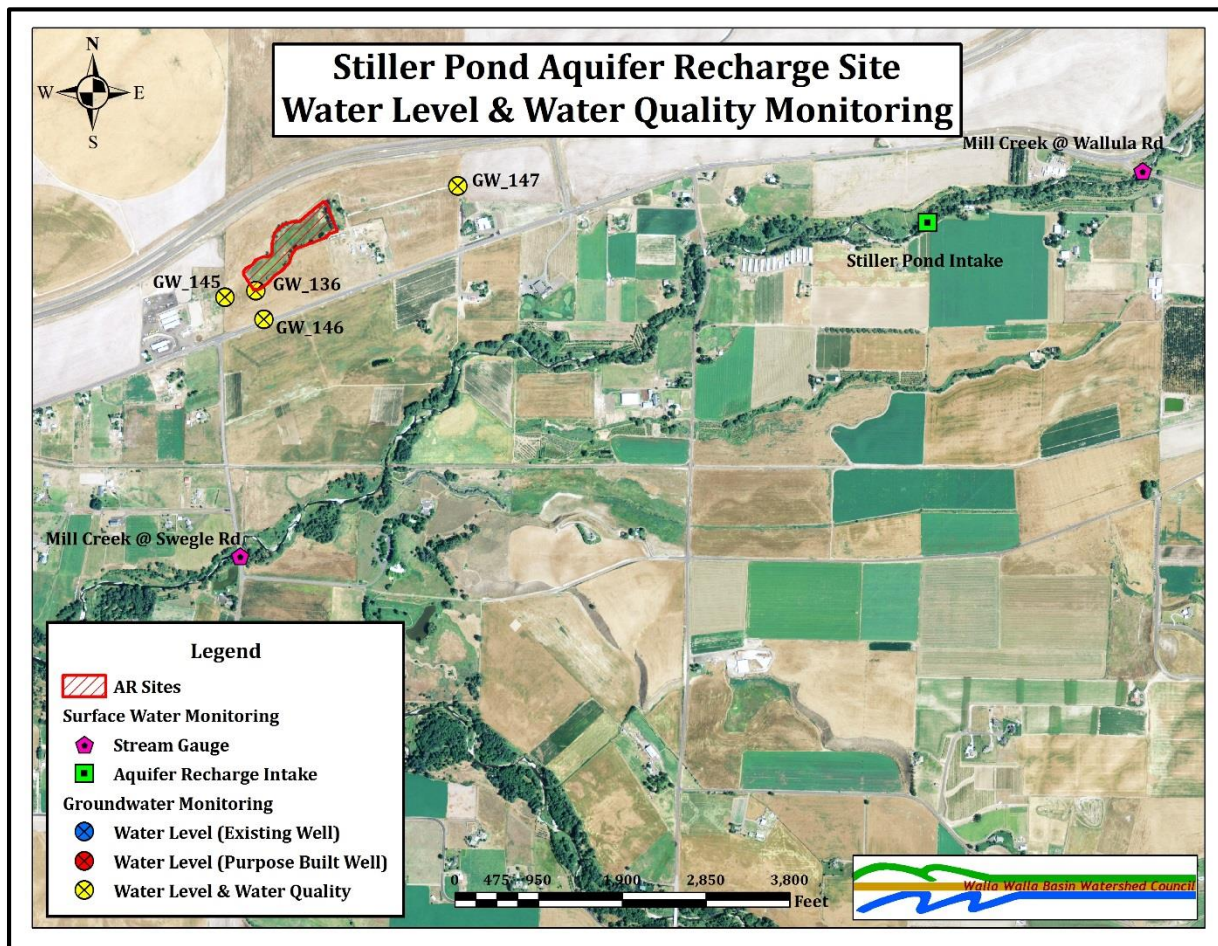


Figure 30 - Map showing groundwater and surface water monitoring sites for the Stiller Pond Aquifer Recharge Site.

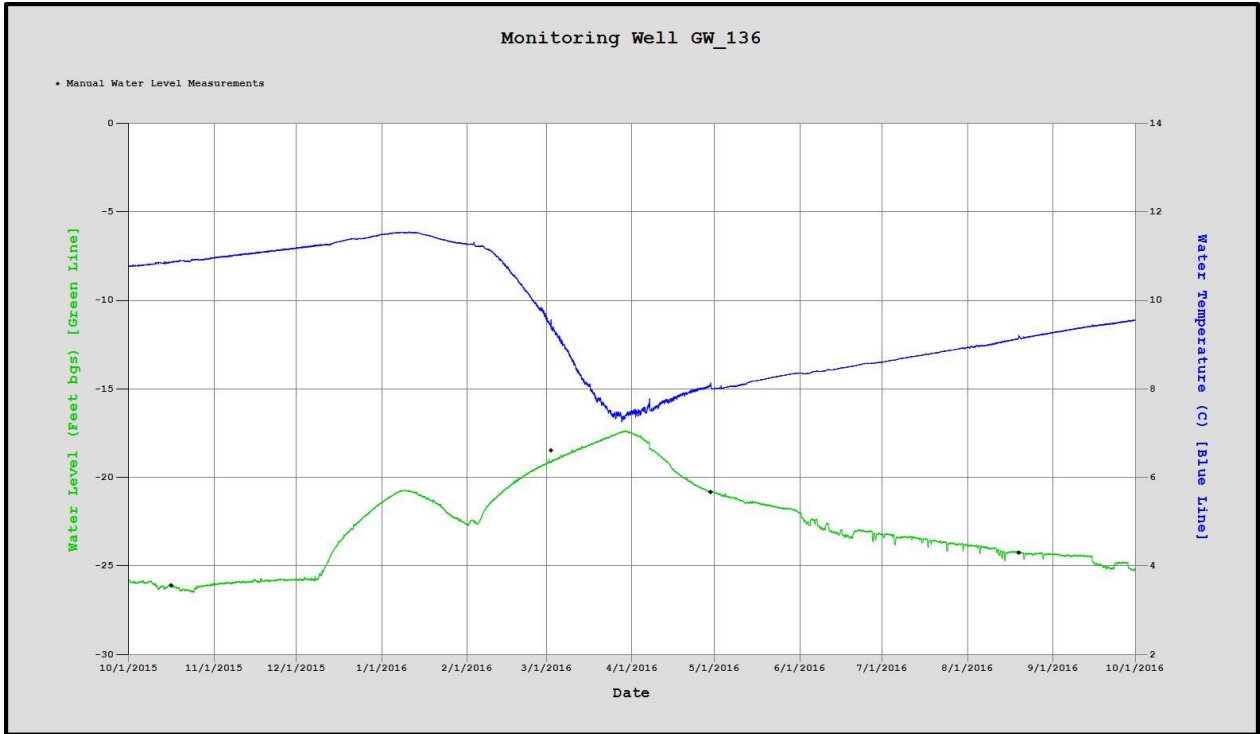


Figure 31 - Hydrograph for GW_136 during the WY 2016 recharge season.

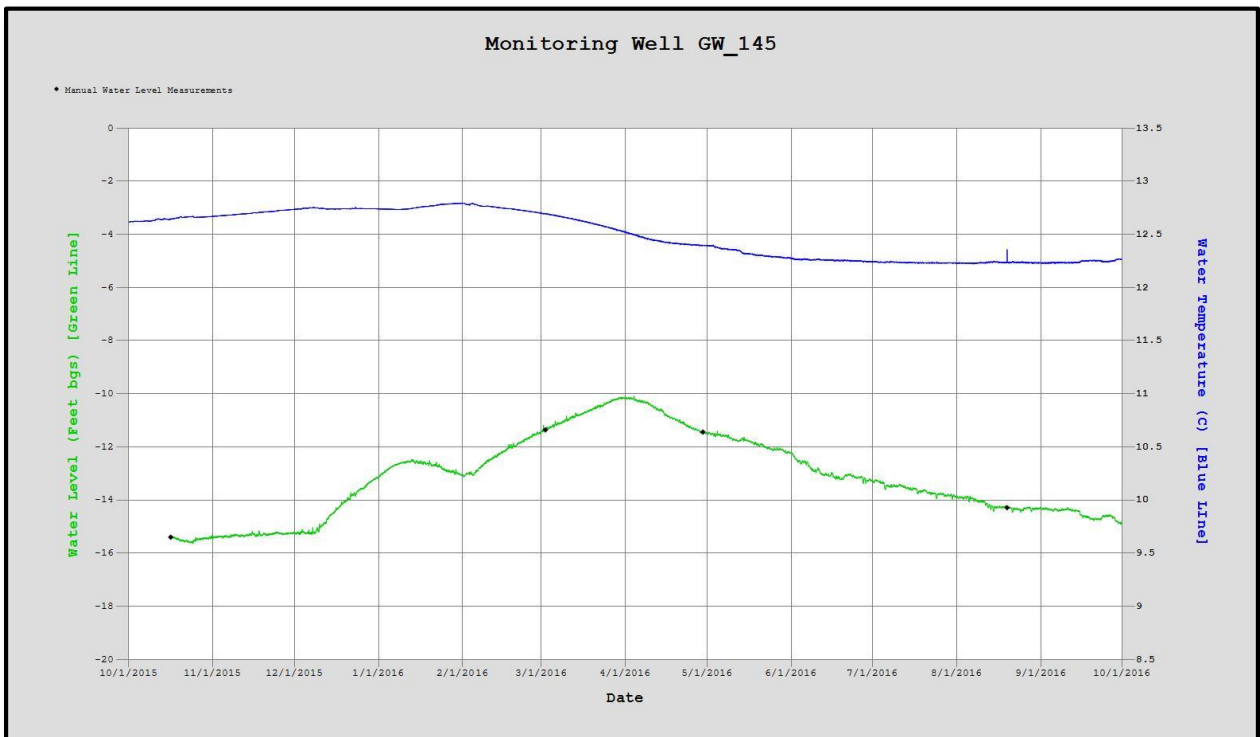


Figure 32 - Hydrograph for GW_145 during the WY 2016 recharge season.

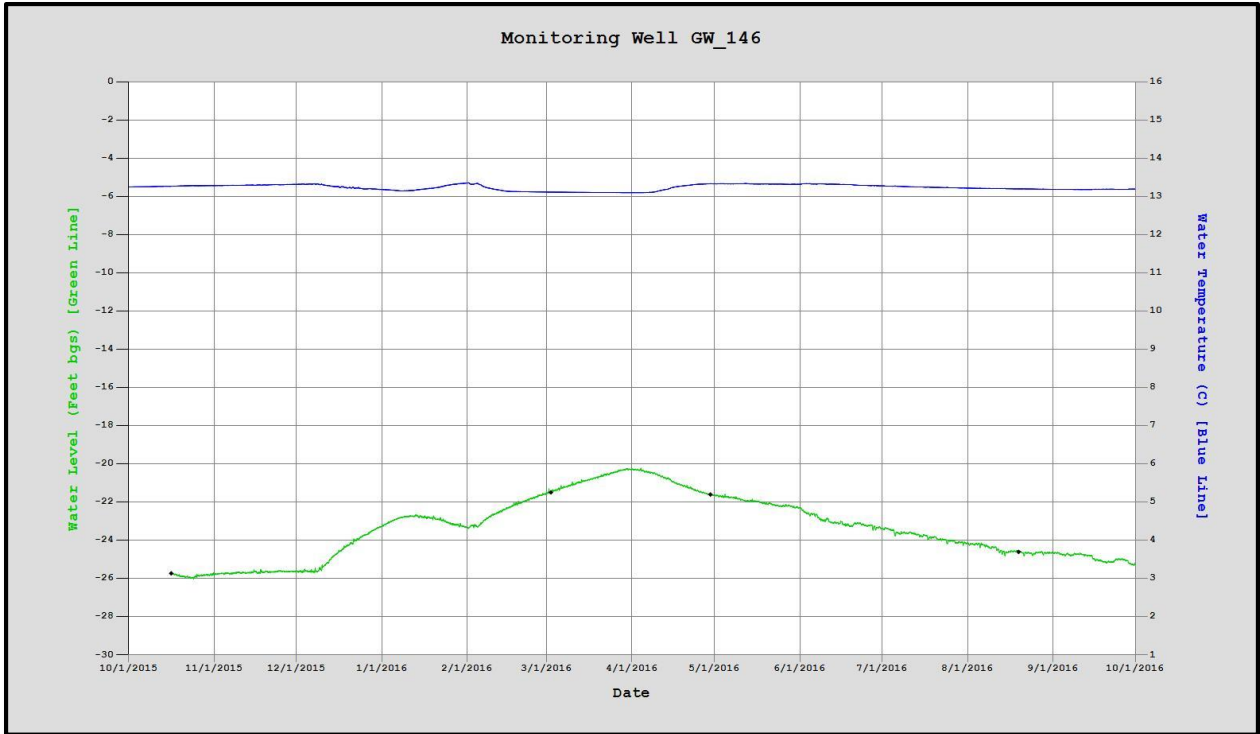


Figure 33 - Hydrograph for GW_146 during the WY 2016 recharge season.

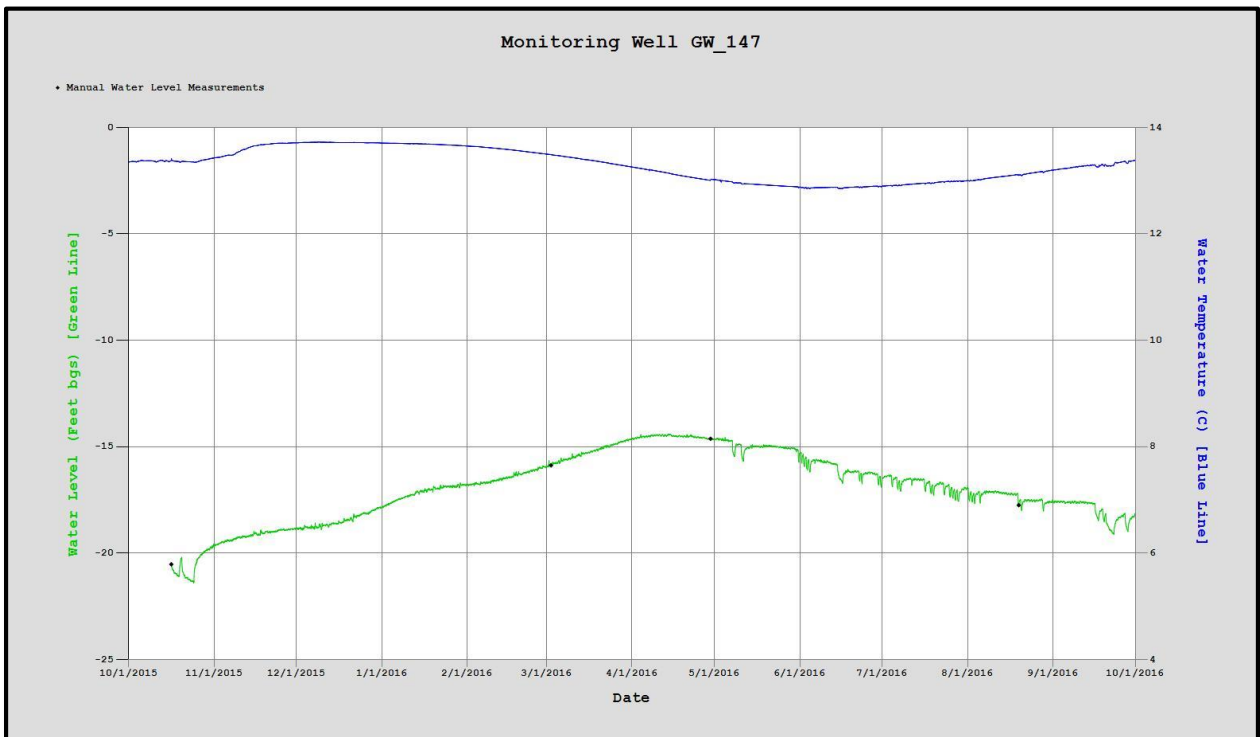


Figure 34 - Hydrograph for GW_147 during the WY 2016 recharge season.

WATER QUALITY

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

SOURCE WATER

Sample Parameter	February 3 rd , 2016	April 7 th , 2016	May 3 rd , 2016
Nitrate (mg/L)	0.44	0.9	1.12
Calcium (mg/L)	7.0	8.6	13.5
Total Dissolved Solids (mg/L)	95	84	113
Chloride (mg/L)	2.88	2.9	7.28
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	56.5	78.2	139

UP-GRADIENT WELL (GW_147)

Sample Parameter	February 3 rd , 2016	April 7 th , 2016	May 3 rd , 2016
Nitrate	6	5.94	5.50
Calcium (mg/L)	44.2	45.1	43.7
Total Dissolved Solids (mg/L)	315	300	293
Chloride (mg/L)	32	32	30
Total DCPA (µg/L)	ND	ND	ND
Polychlorinated Biphenyls (pg/L)	634	703	1050

MID-GRADIENT WELL (GW_136)

Sample Parameter	February 3 rd , 2016	April 7 th , 2016	May 3 rd , 2016
Nitrate	13	3.34	0.48
Calcium (mg/L)	66.4	49.2	39.7
Total Dissolved Solids (mg/L)	460	270	211
Chloride (mg/L)	40	15	4.29
Total DCPA (µg/L)	0.84	0.15	ND
Polychlorinated Biphenyls (pg/L)	674	734	1050

DOWN-GRADIENT WELL (GW_145)

Sample Parameter	February 3 rd , 2016	April 7 th , 2016	May 3 rd , 2016
Nitrate	10	11.63	6.77
Calcium (mg/L)	61.8	62.5	56.7
Total Dissolved Solids (mg/L)	394	416	372
Chloride (mg/L)	36	39	28
Total DCPA (µg/L)	0.09	0.11	ND
Polychlorinated Biphenyls (pg/L)	734	817	1210

DOWN-GRADIENT WELL (GW_146)

Sample Parameter	February 3 rd , 2016	April 7 th , 2016	May 3 rd , 2016
Nitrate	18	16.71	10
Calcium (mg/L)	70.5	70.1	57.8
Total Dissolved Solids (mg/L)	560	510	456
Chloride (mg/L)	47	47	34
Total DCPA (µg/L)	4.37	3.9	ND
Polychlorinated Biphenyls (pg/L)	858	1100	1430

SOIL QUALITY

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

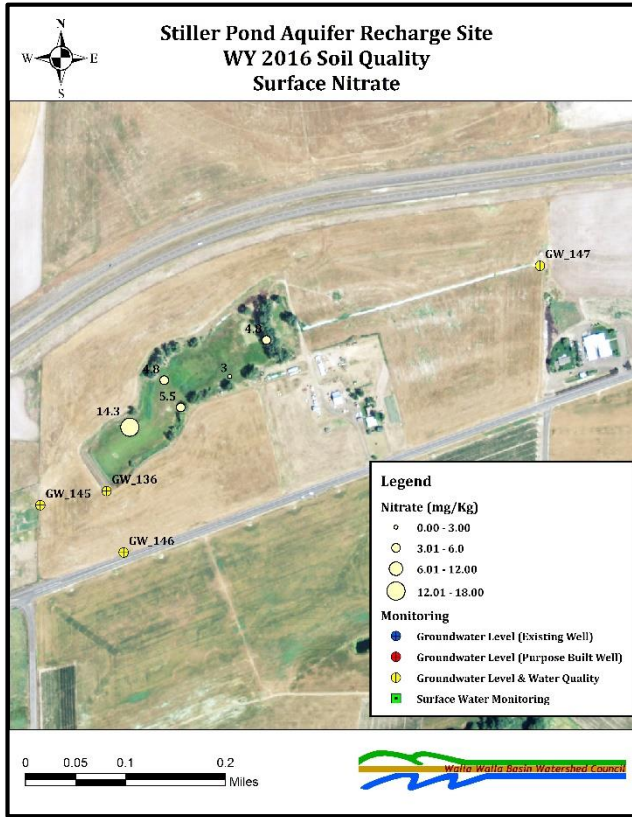


Figure 35 – Surface soil nitrate values at the Stiller Pond site during the WY2016 recharge season.

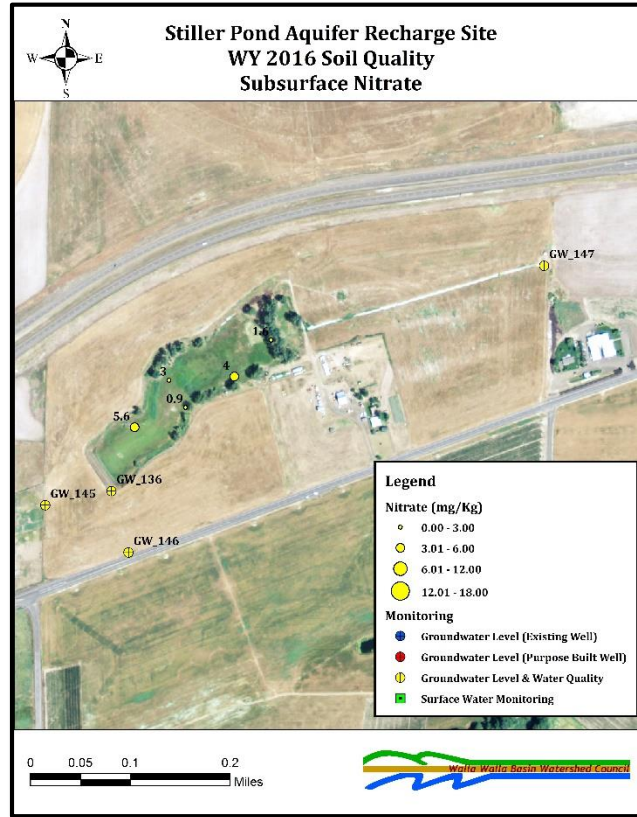


Figure 36 - Subsurface (~1' below ground surface) soil nitrate values at the Stiller Pond site during the WY2016 recharge season.

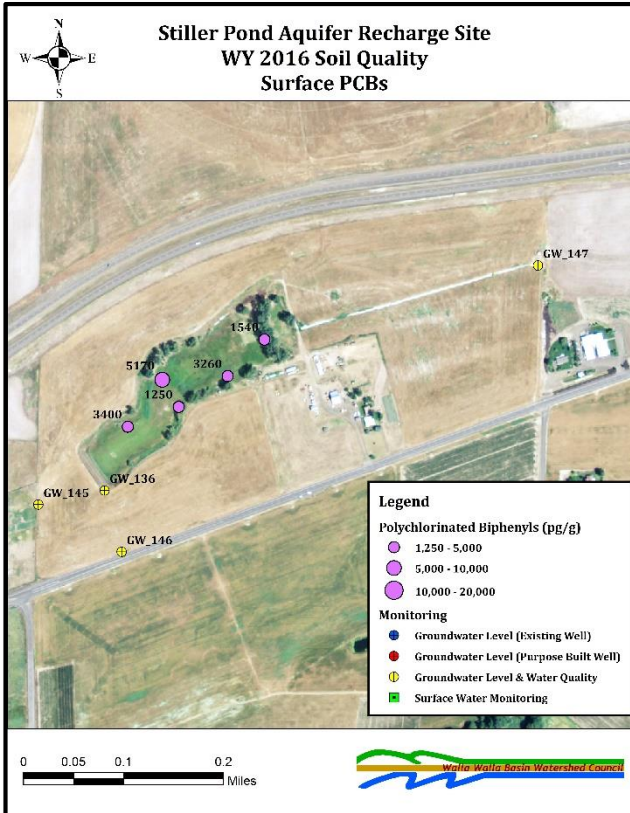


Figure 37 – Surface soil Polychlorinated Biphenyls (PCBs) values at the Stiller Pond site during the WY2016 recharge season.

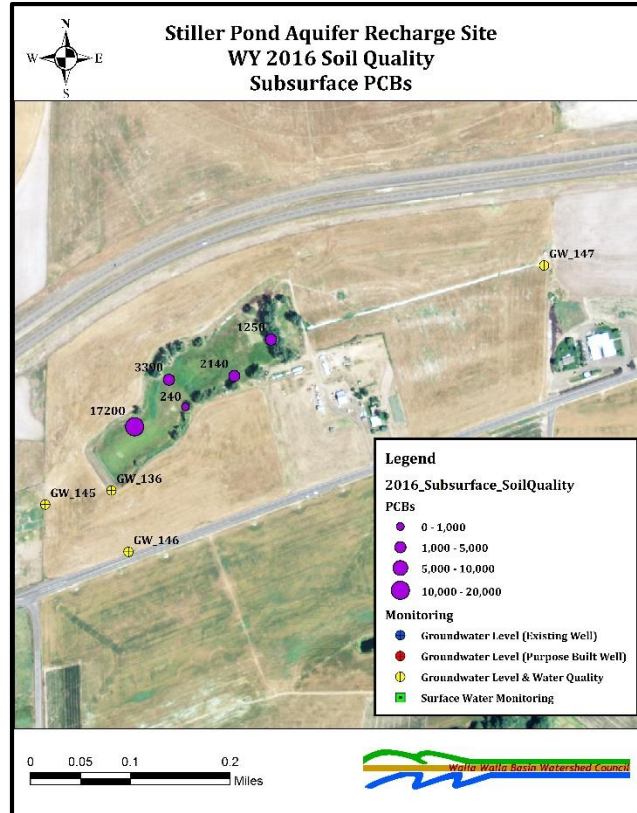


Figure 38 - Subsurface (~1' below ground surface) soil Polychlorinated Biphenyls (PCBs) values at the Stiller Pond site during the WY2016 recharge season.

LAST CHANCE ROAD

OVERVIEW

The Last Chance Road site did not operate during the WY2016 recharge season. A pre-operations sample was collected, however no further samples were collected because the site did not operate (Figure 39). West Little Walla Walla River flows were monitored at the WWBWC's S-227 gage (Figure 40).

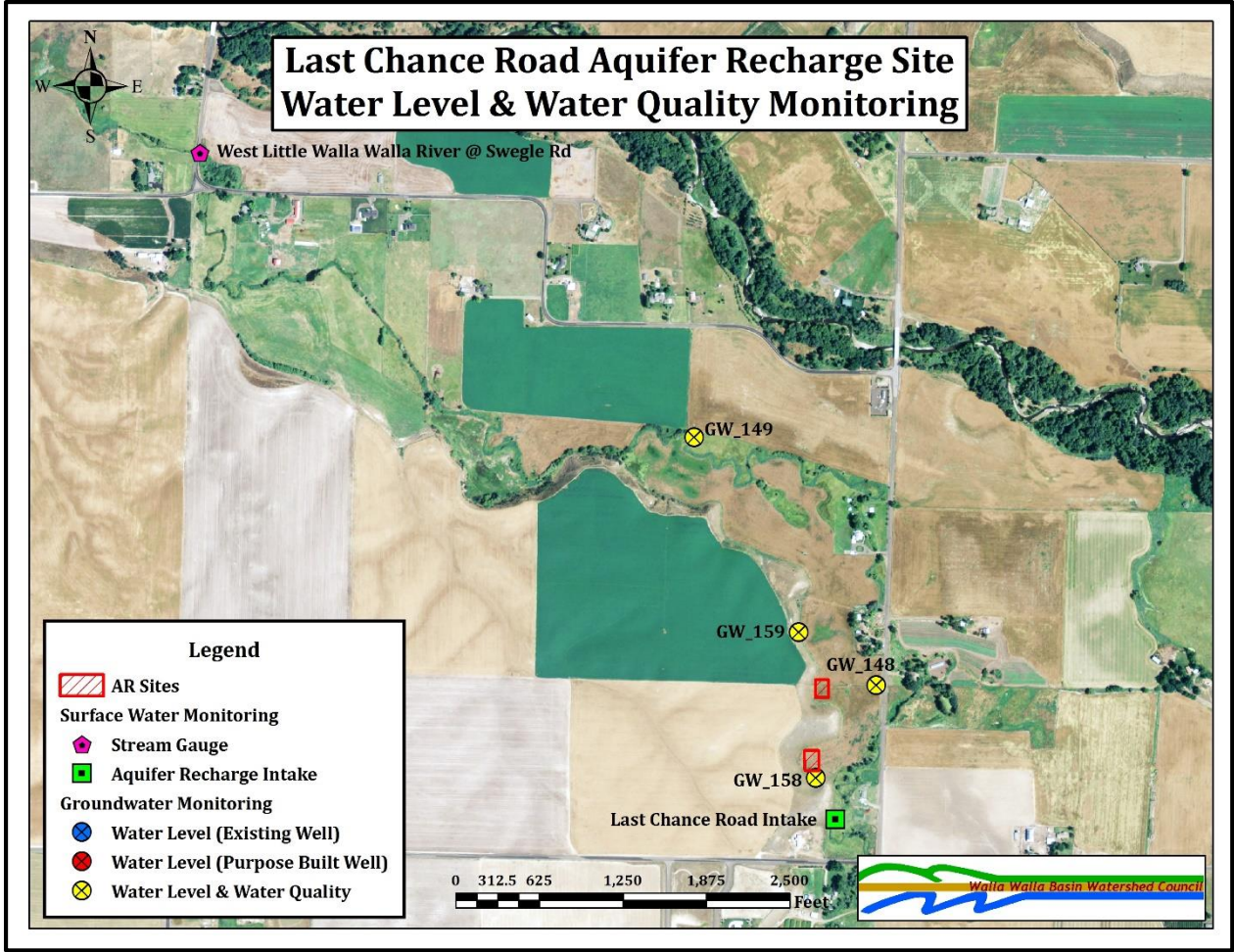


Figure 39 - Map showing groundwater monitoring sites for the Last Chance Road Aquifer Recharge Site.

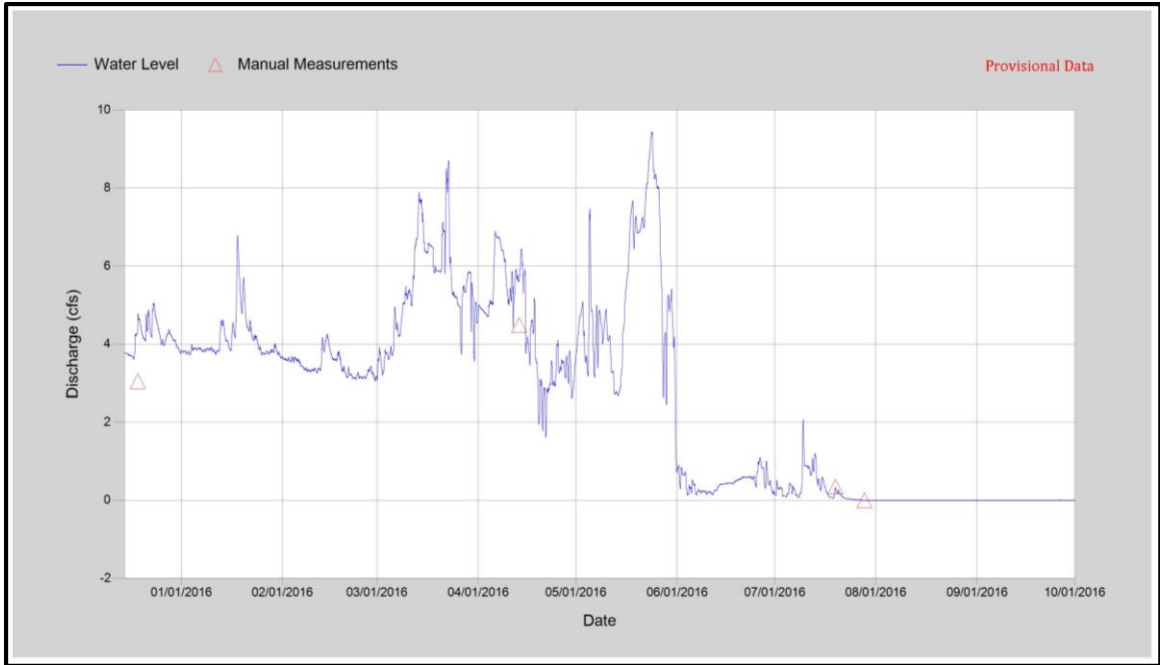


Figure 40 – Water Year 2016 hydrograph for WWBWC’s West Little Walla Walla River at Swegle Road (S227) gage.

WATER QUALITY

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

SOURCE WATER (RECHARGE INTAKE)

Sample Parameter	March 14 th , 2016
Polychlorinated Biphenyls (pg/L)	59.4

UP-GRADIENT WELL (GW_158)

Sample Parameter	March 14 th , 2016
Polychlorinated Biphenyls (pg/L)	87.2

MID-GRADIENT WELL (GW_148)

Sample Parameter	March 14 th , 2016
Polychlorinated Biphenyls (pg/L)	1030

MID-GRADIENT WELL (GW_159)

Sample Parameter	March 14 th , 2016
Polychlorinated Biphenyls (pg/L)	1030

DOWN-GRADIENT WELL (GW_149)

Sample Parameter	March 14 th , 2016
Polychlorinated Biphenyls (pg/L)	1030

Polychlorinated Biphenyls (pg/L)	1680
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WA MUD CREEK

OVERVIEW

The WA Mud Creek site did not operate during the WY2016 recharge season (Figure 41). The site was constructed in the fall of 2015 and is ready for future recharge operations. No water quality or soil quality samples were collected.

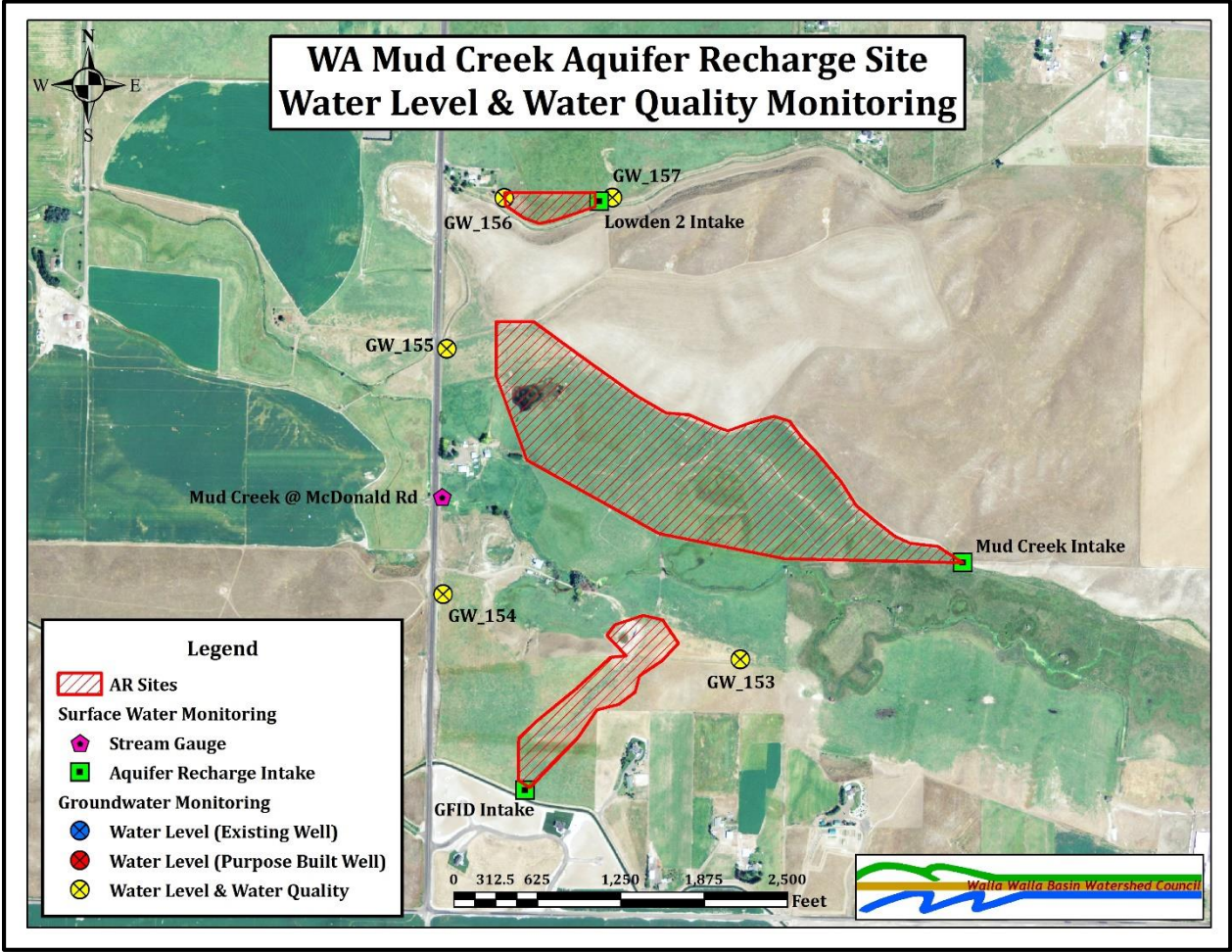


Figure 41 - Map showing groundwater monitoring sites for the WA Mud Creek Aquifer Recharge Site.

SUMMARY AND DISCUSSION

WATER LEVEL AND QUANTITY

The AR program summarized here simulates floodplain function and processes that have been lost due to irrigation and urban development and channelization of the river and stream channels for flood control and other uses. With continued AR activities at the Locher Road and Stiller Pond sites

we anticipate that increasing alluvial aquifer water levels could lead to the types of spring flow increases and increased groundwater inputs to streams and rivers that have been observed in recent years resulting from Oregon AR activities elsewhere in the valley. Also, the addition of the Last Chance Road and WA Mud Creek sites will likely increase spring and stream flows in the West Little Walla Walla River and Mud Creek respectively, when those sites are operated.

Over the course of the WY2016 recharge season, the aquifer recharge program in the Washington portion of the Walla Walla Basin put ~1,143.65 acre-feet (~372.66 million gallons) of winter/spring run-off water into the shallow alluvial aquifer at the Locher Road site (525.59 acre-feet and ~340 acre-feet during conveyance) and Stiller Pond (~278.06 acre-feet) AR sites. Water levels in the alluvial aquifer at both sites responded to AR activities. More data will need to be collected, especially at the Stiller Pond site, in order to establish trends and ongoing improvements to the alluvial aquifer system or surface water system.

The Locher Road site wells indicate improving groundwater levels from the start of the project in 2007 until approximately 2011-12. Water levels in the area start to show a yearly decline starting in the summer of 2012. These decreasing water levels coincide with the last phase of the Hyline piping project on the Oregon side of the border that was completed in 2012. Water levels around the Locher Road site have dropped approximately 1 foot per year since 2012 (Appendix A). Water levels in the area rise during recharge operations, however the volume of water added to the alluvial aquifer does not appear to be sufficient to overcome the regional deficit. Recharge operations during 2013-2015 were limited in length and volume. WY2016 recharge operations are a significant improvement. The complete impact of the WY2016 recharge operations at the Locher Road site will not be realized until after summer/fall time water levels are recorded. Piping of the Gardena Farms Canal (source water for Locher Road) would most likely increase the rate of decline in water levels in the area without proper mitigation.

Trends and impacts due to recharge operations at the Stiller Pond site cannot yet be inferred due to limited data. However, based upon the few years of data at the site, there appear to be positive trends in groundwater levels at all four monitoring wells. Additional years of operation and data collection will be needed to further evaluate the influence of this site both on groundwater and surface conditions.

WATER QUALITY

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

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

and/or these detections were instances of localized transient introduction to the water table from an unaltered ground surface AR site (specifically HW).

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

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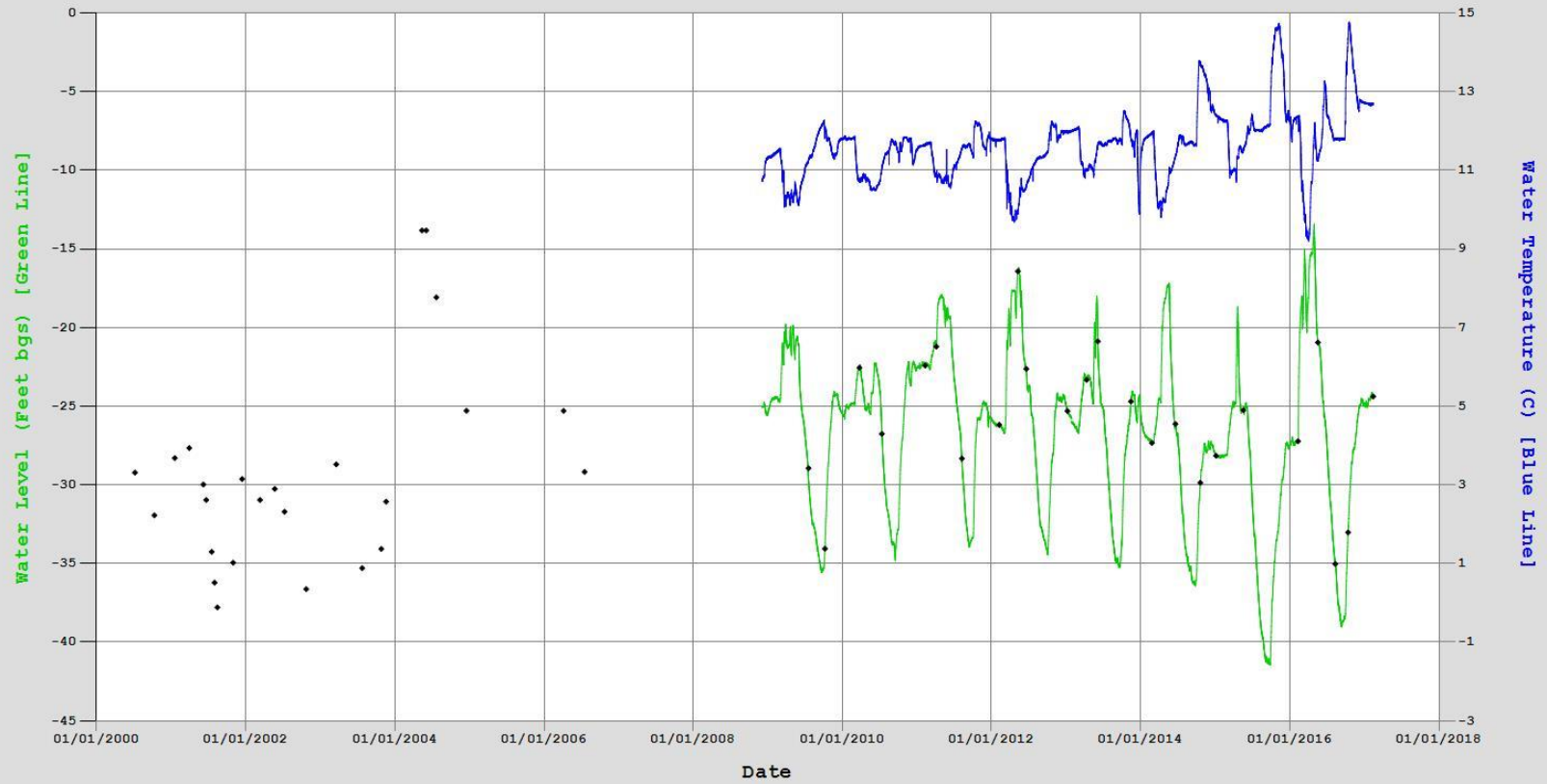
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WWWMP, 2014a. Hassler Local Water Plan Agreement. Walla Walla Watershed Management Partnership Local Water Plan LWP 14-01. www.wallawallawatershed.org

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

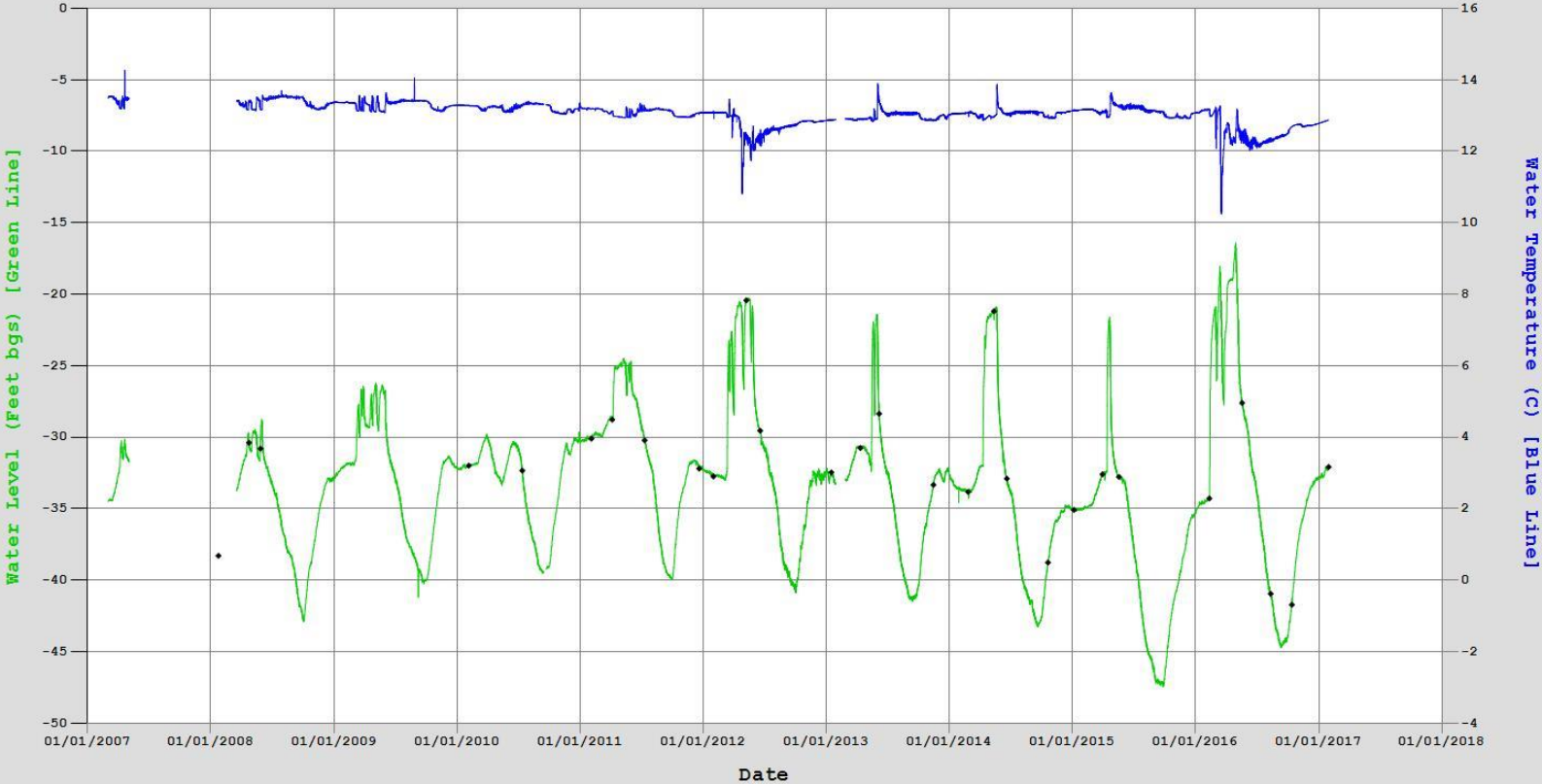
Monitoring Well GW_57

• Manual Water Level Measurements



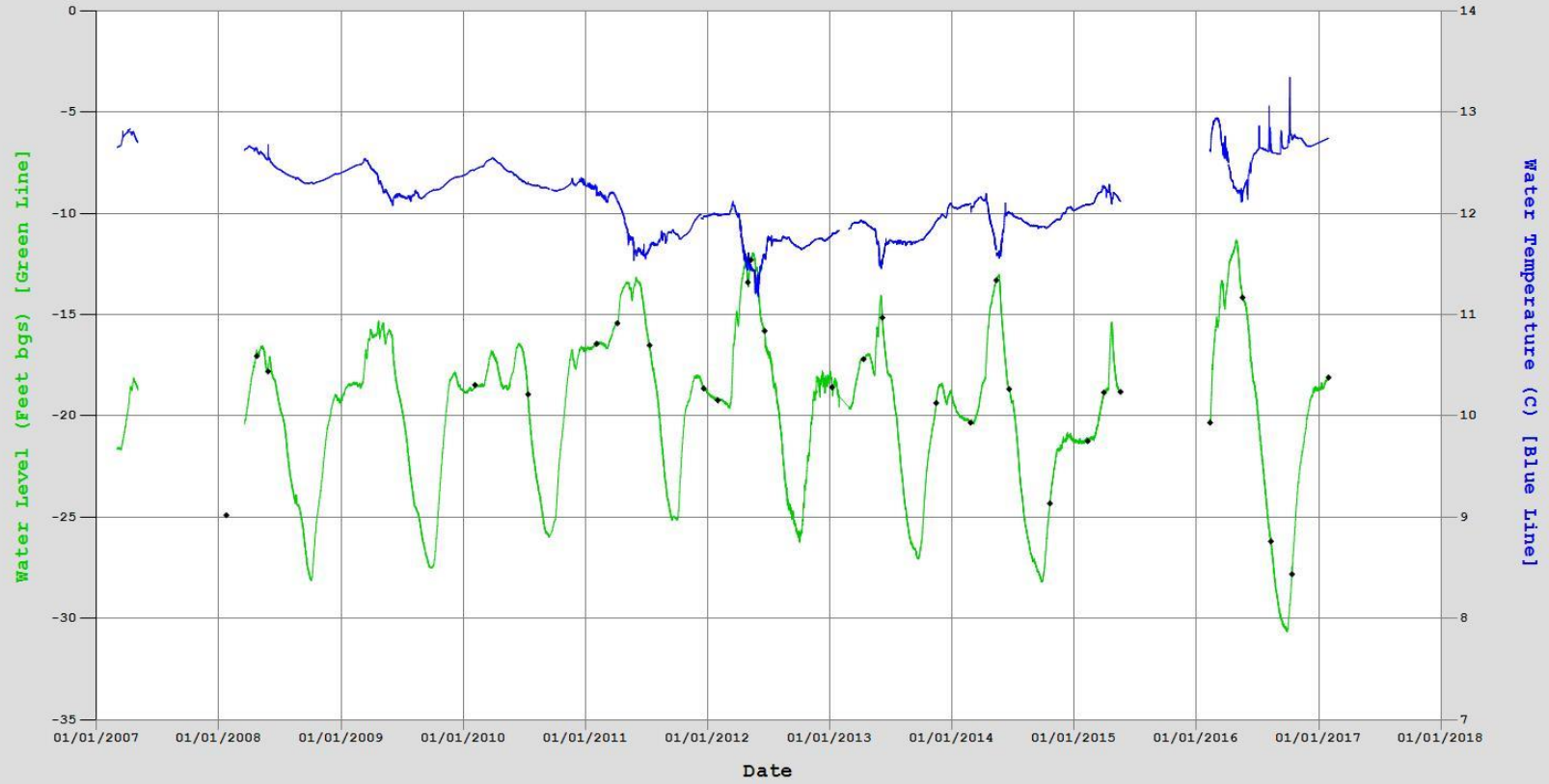
Monitoring Well GW_70

• Manual Water Level Measurements



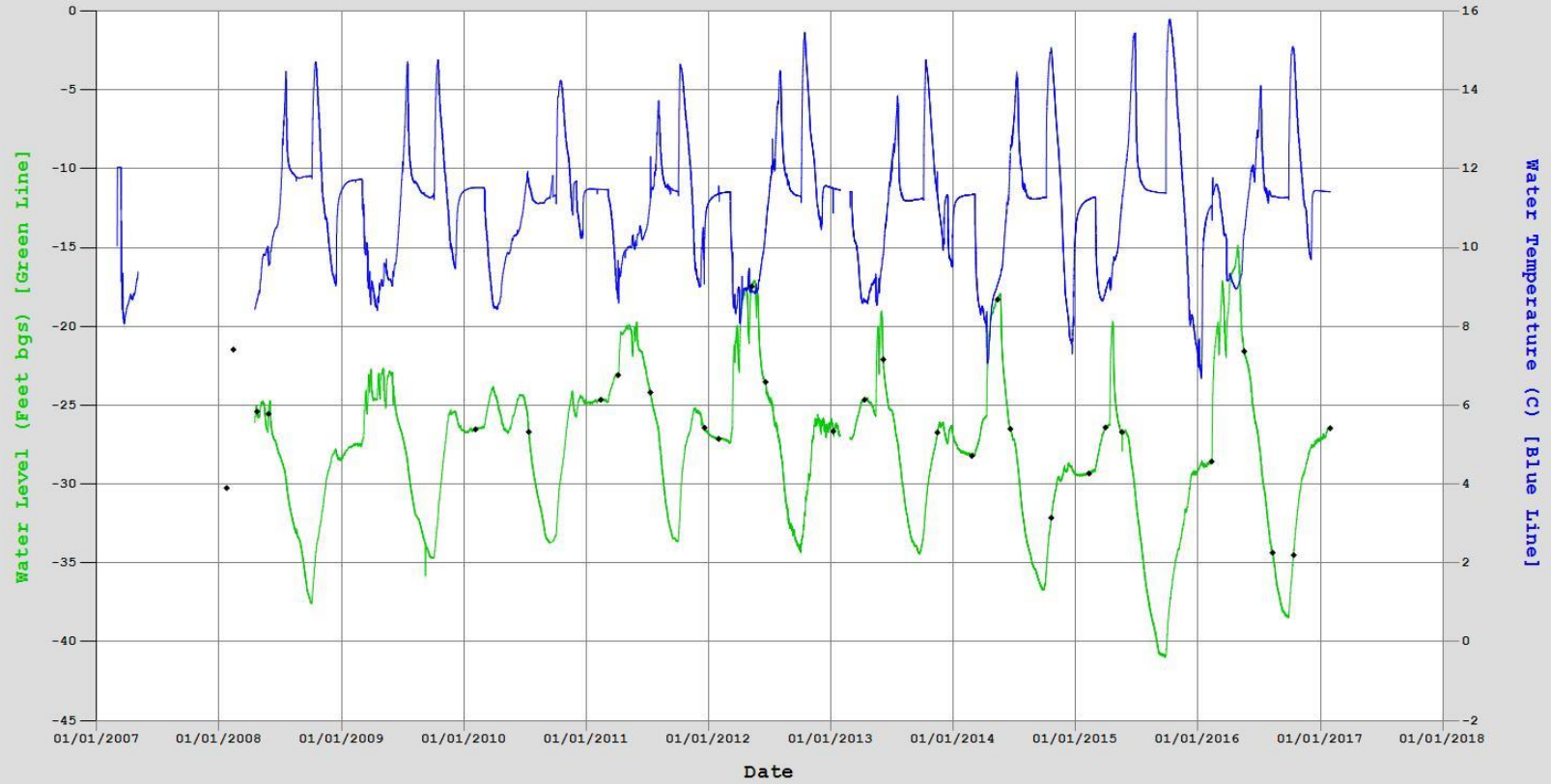
Monitoring Well GW_71

• Manual Water Level Measurements



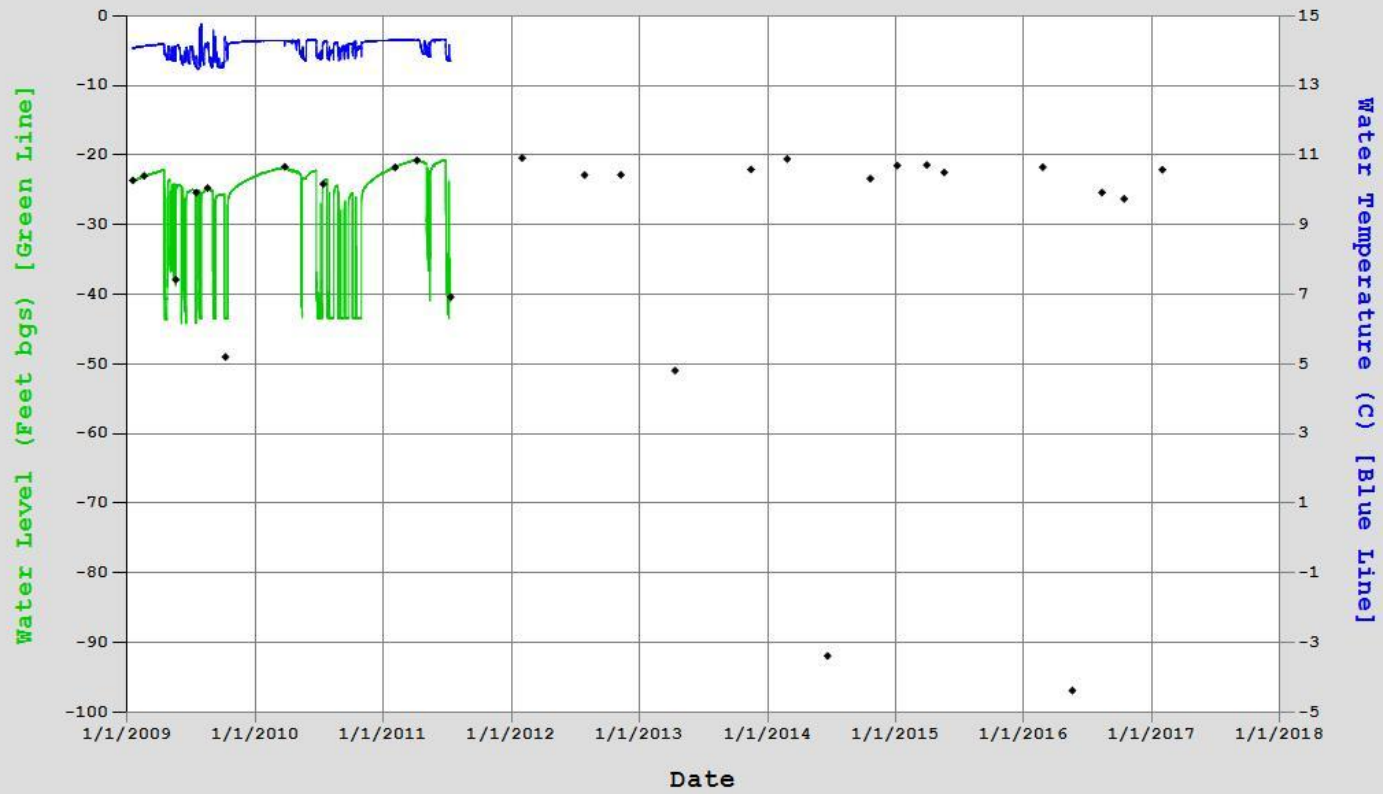
Monitoring Well GW_72

• Manual Water Level Measurements



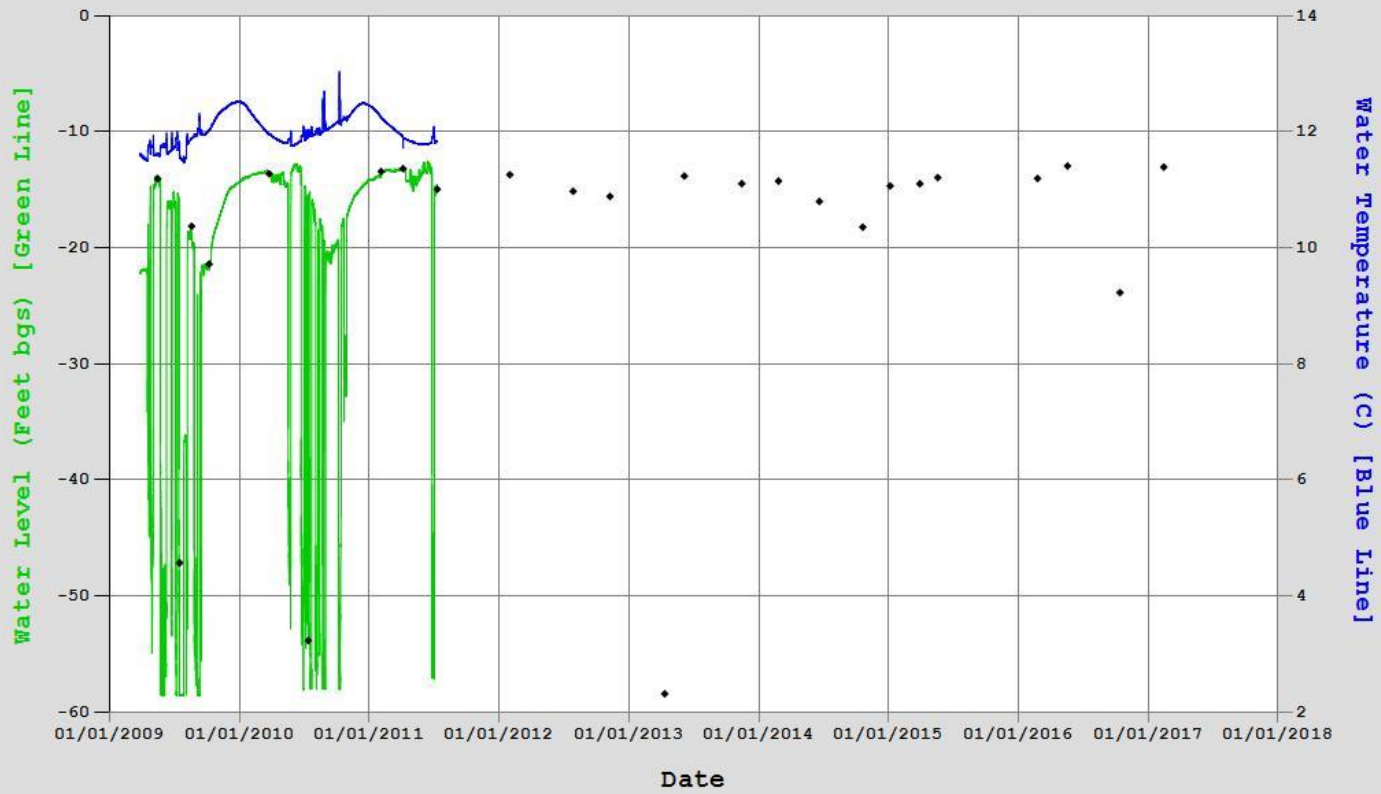
Monitoring Well GW_103

♦ Manual Water Level Measurements



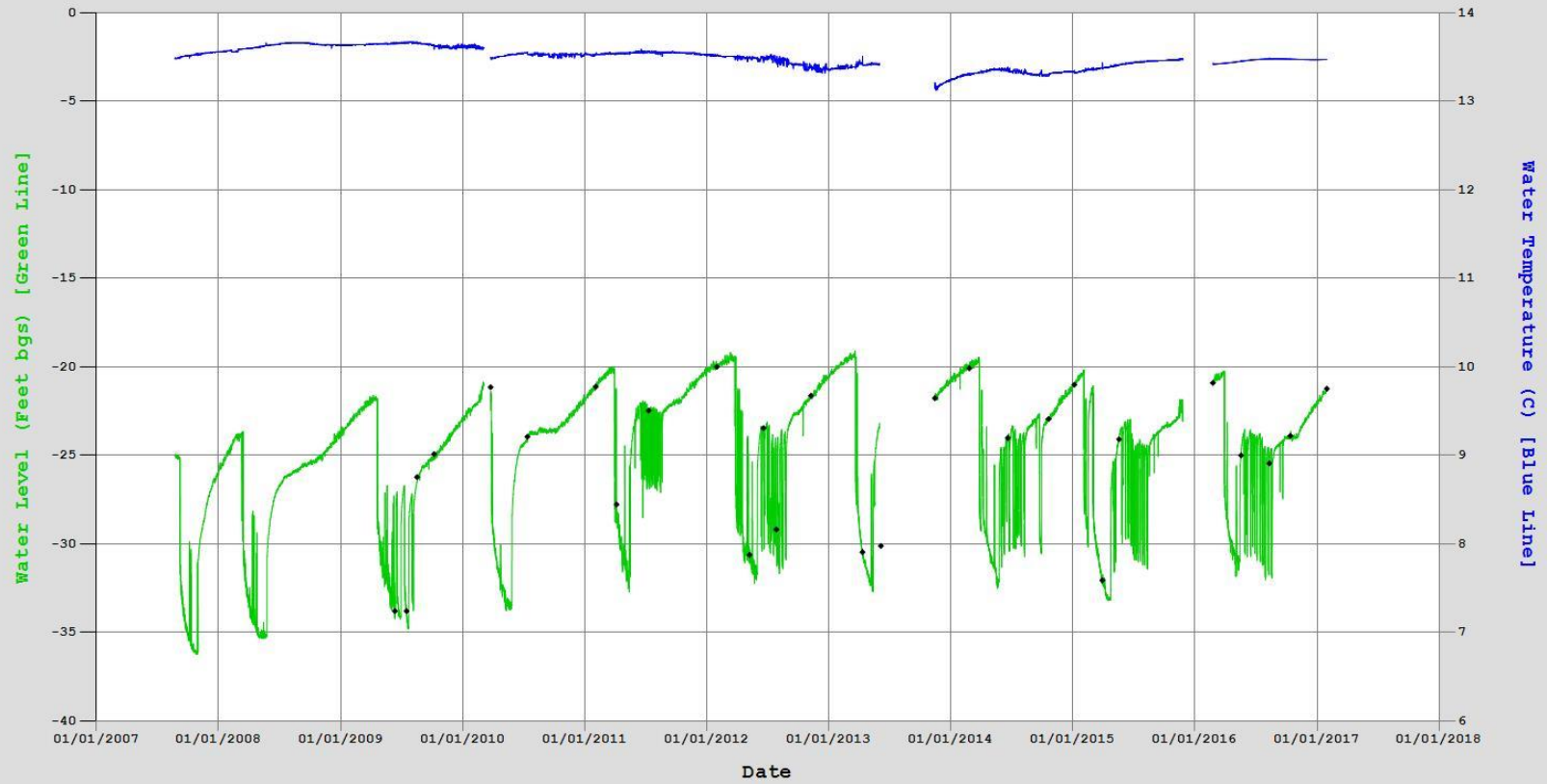
Monitoring Well GW_104

♦ Manual Water Level Measurements



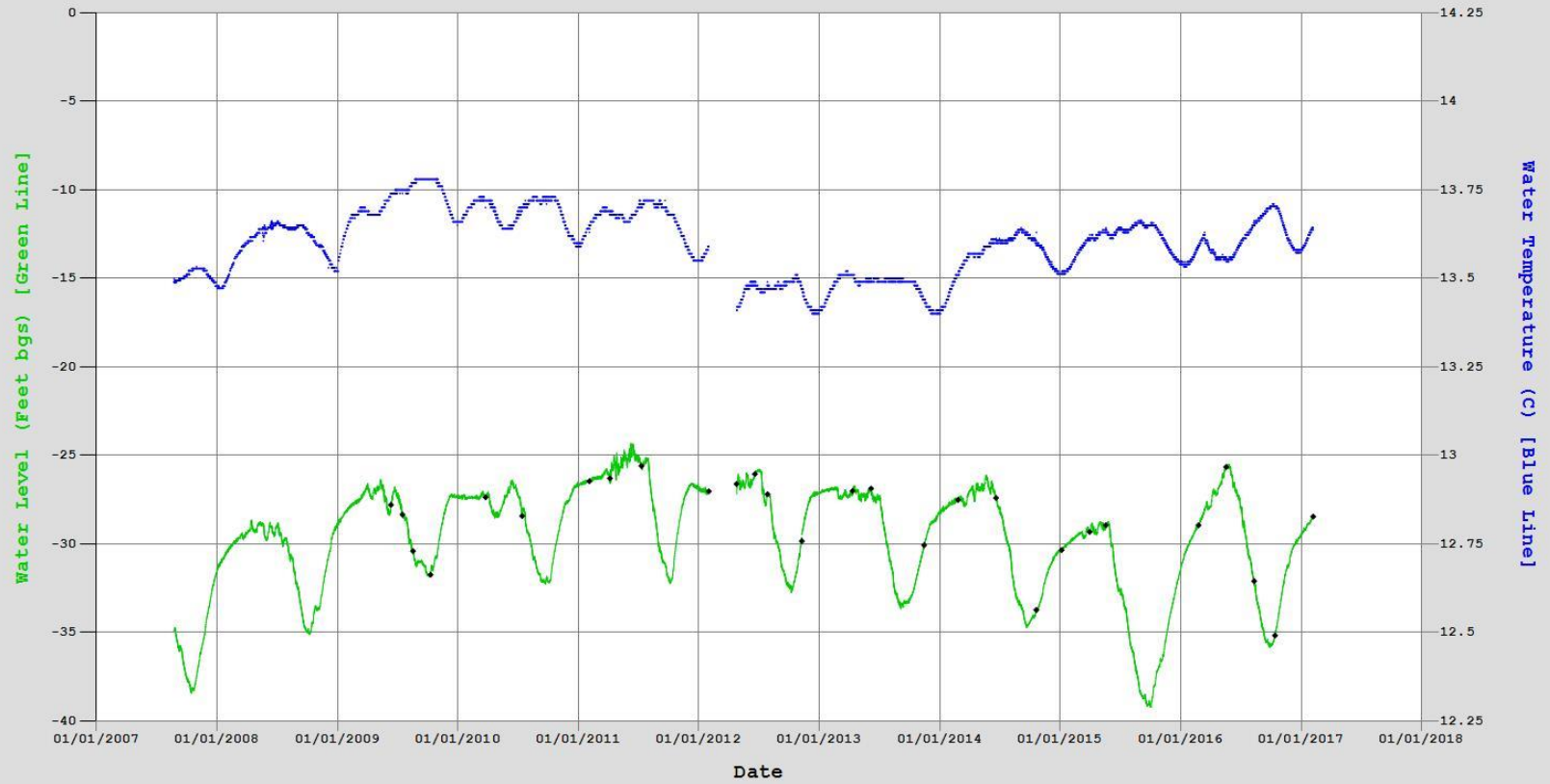
Monitoring Well GW_108

• Manual Water Level Measurements



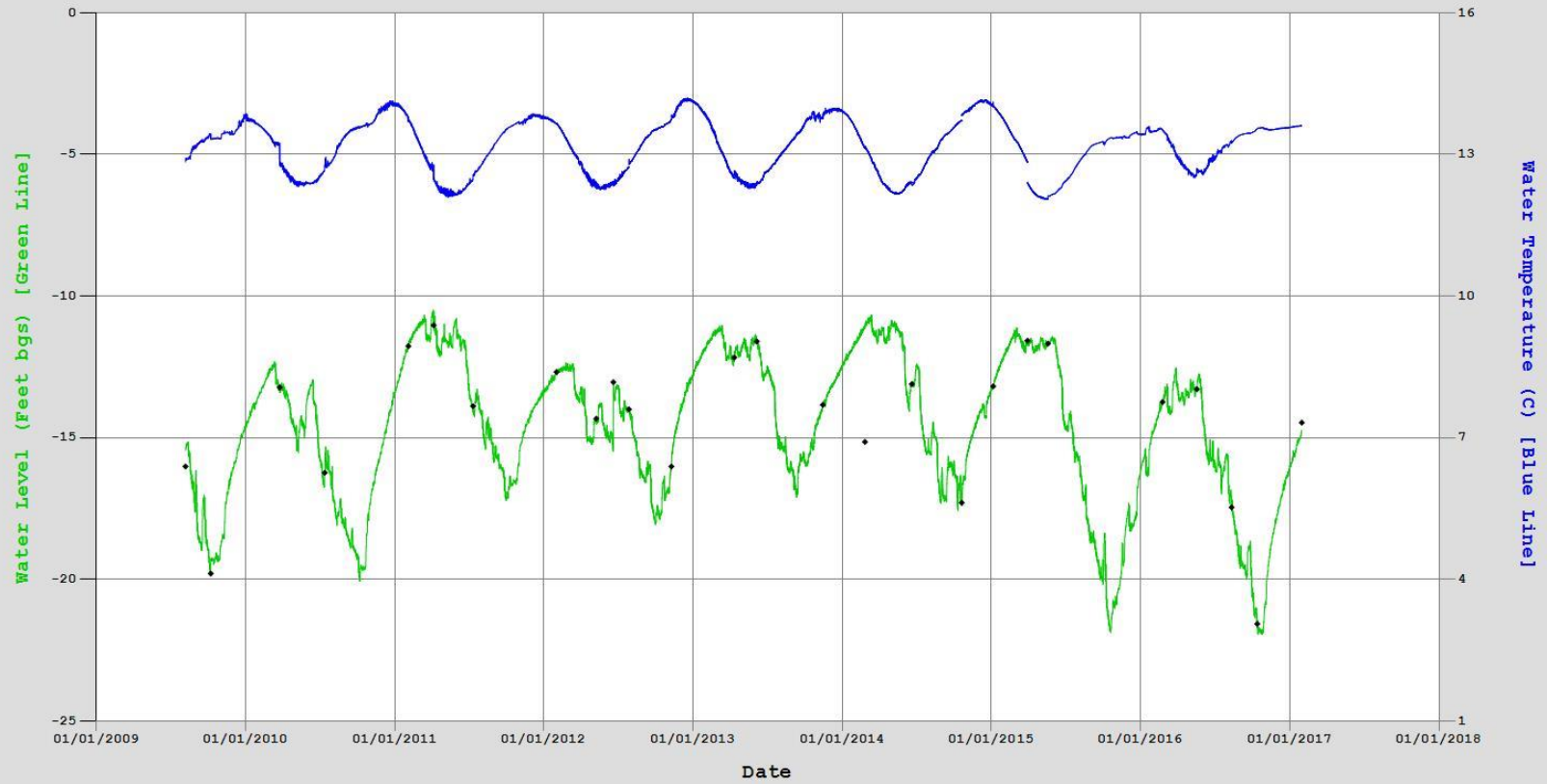
Monitoring Well GW_110

• Manual Water Level Measurements



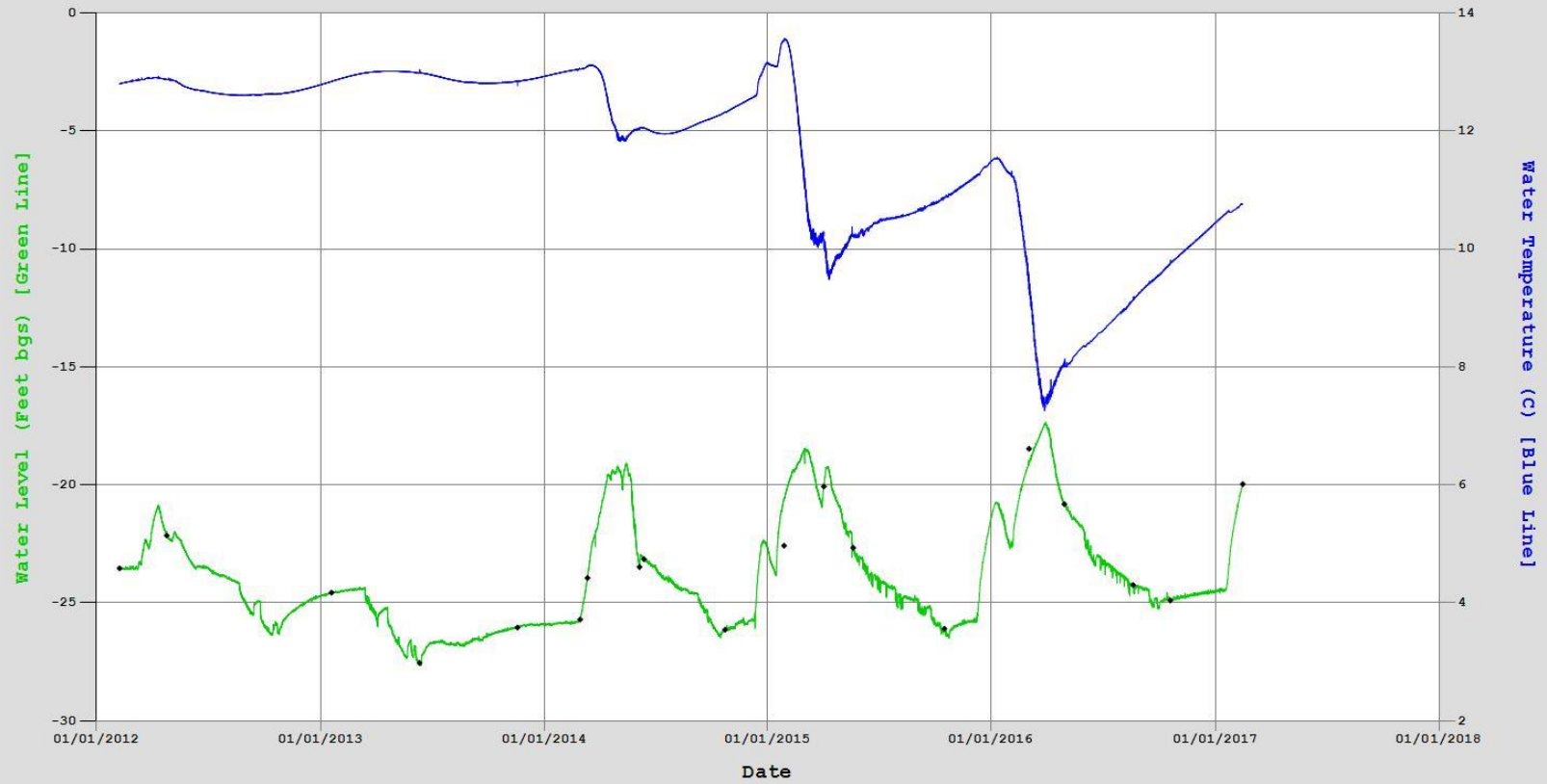
Monitoring Well GW_122

• Manual Water Level Measurements



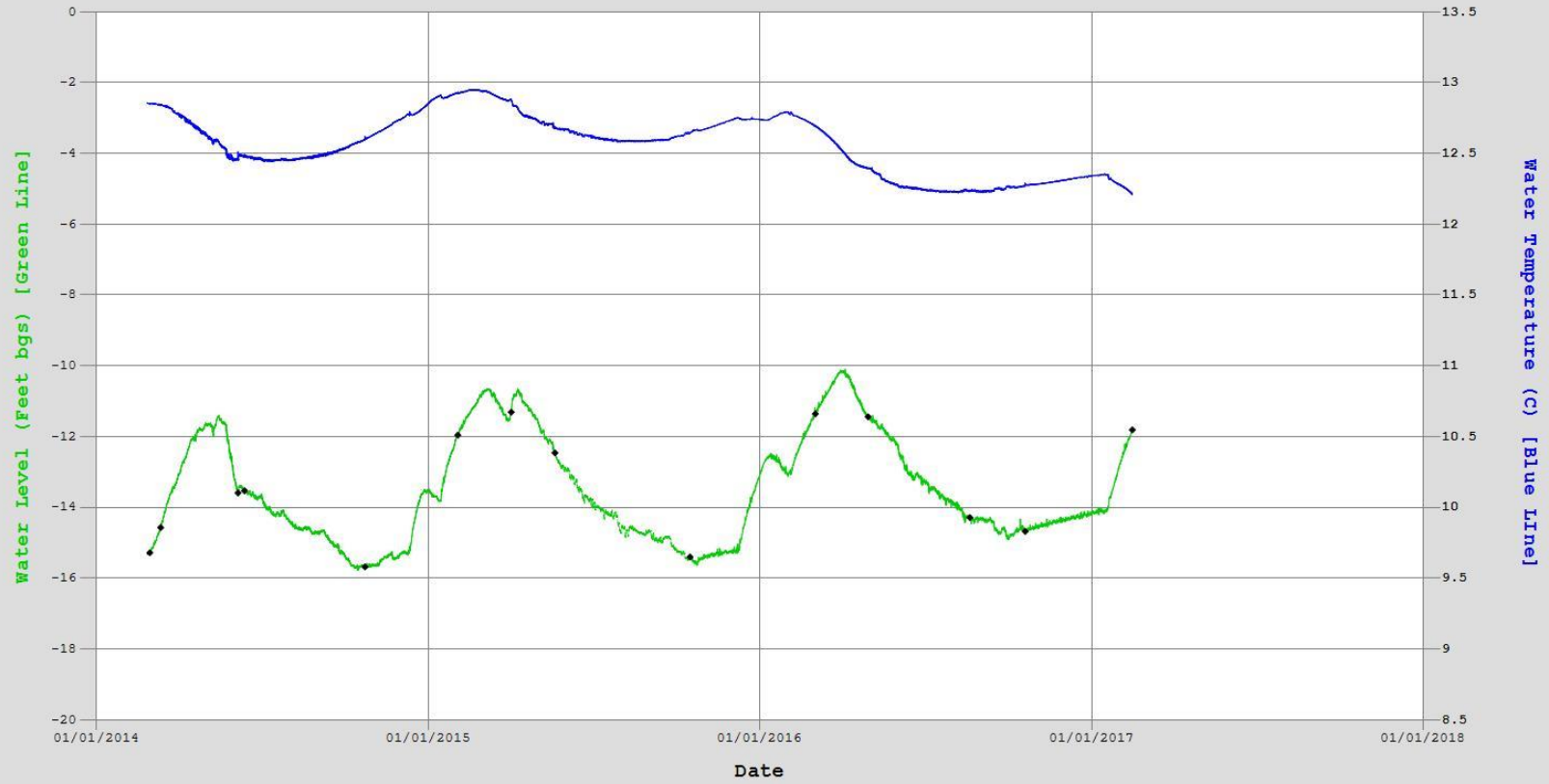
Monitoring Well GW_136

• Manual Water Level Measurements

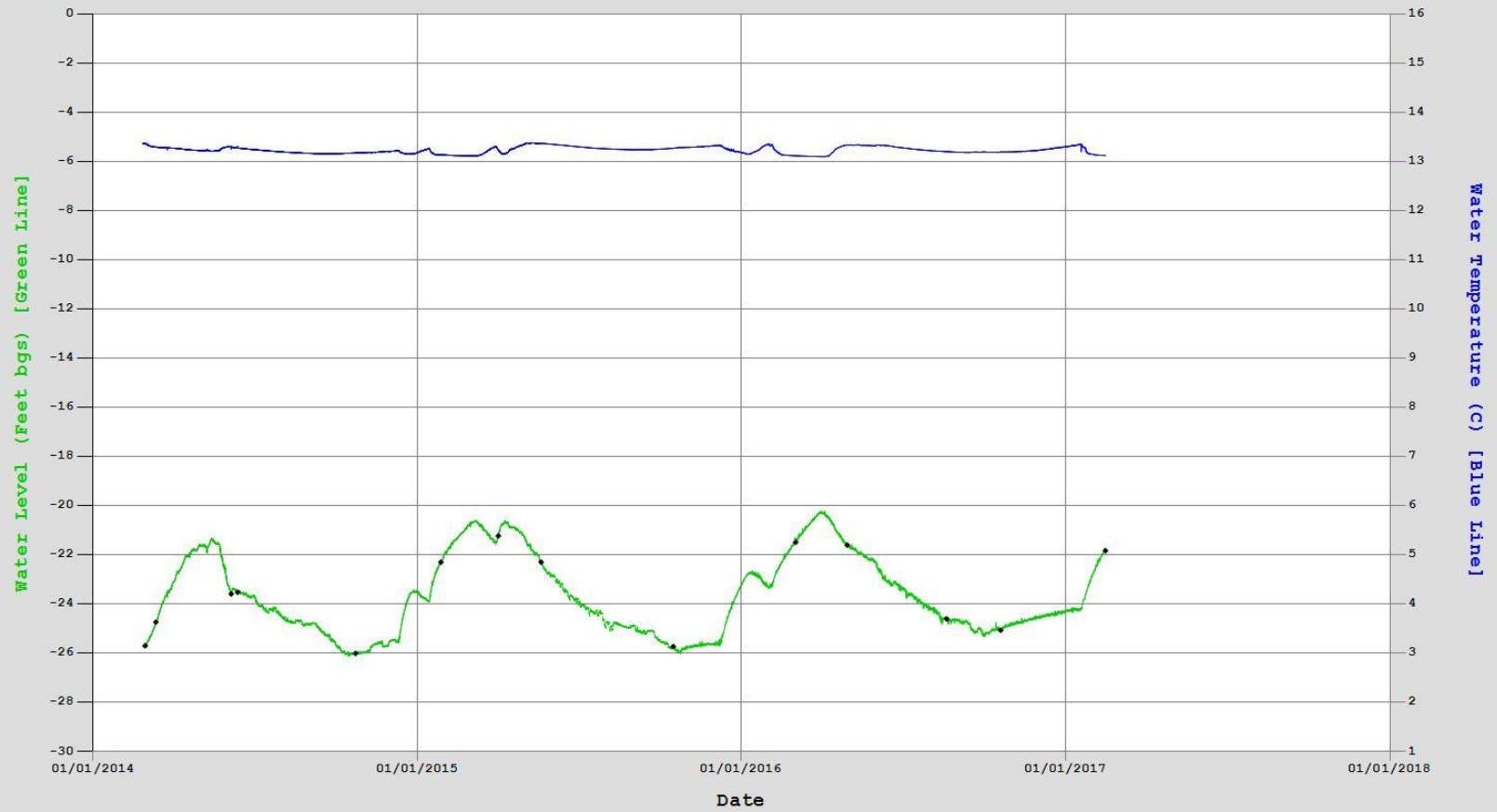


Monitoring Well GW_145

• Manual Water Level Measurements

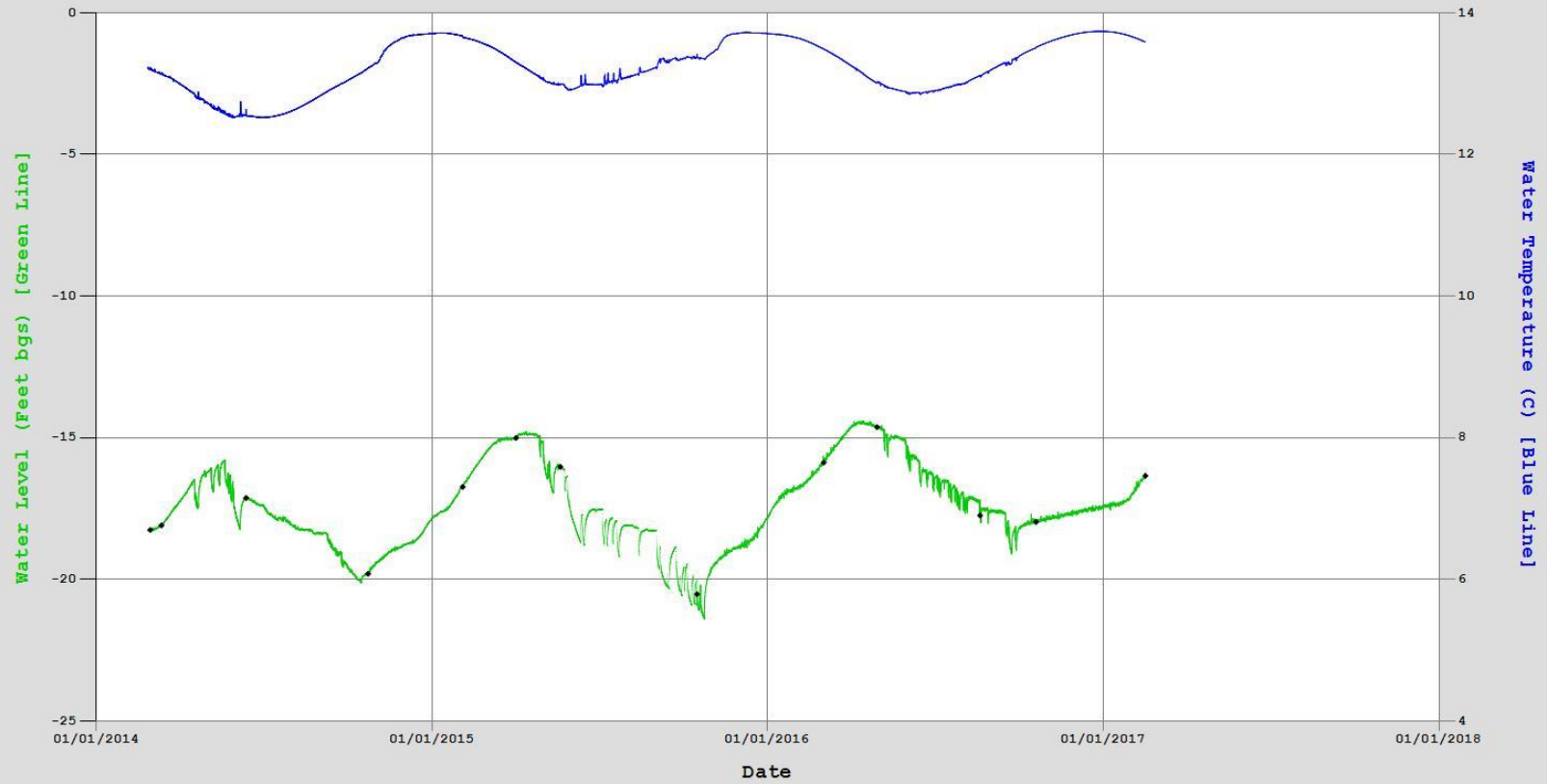


Monitoring Well GW_146

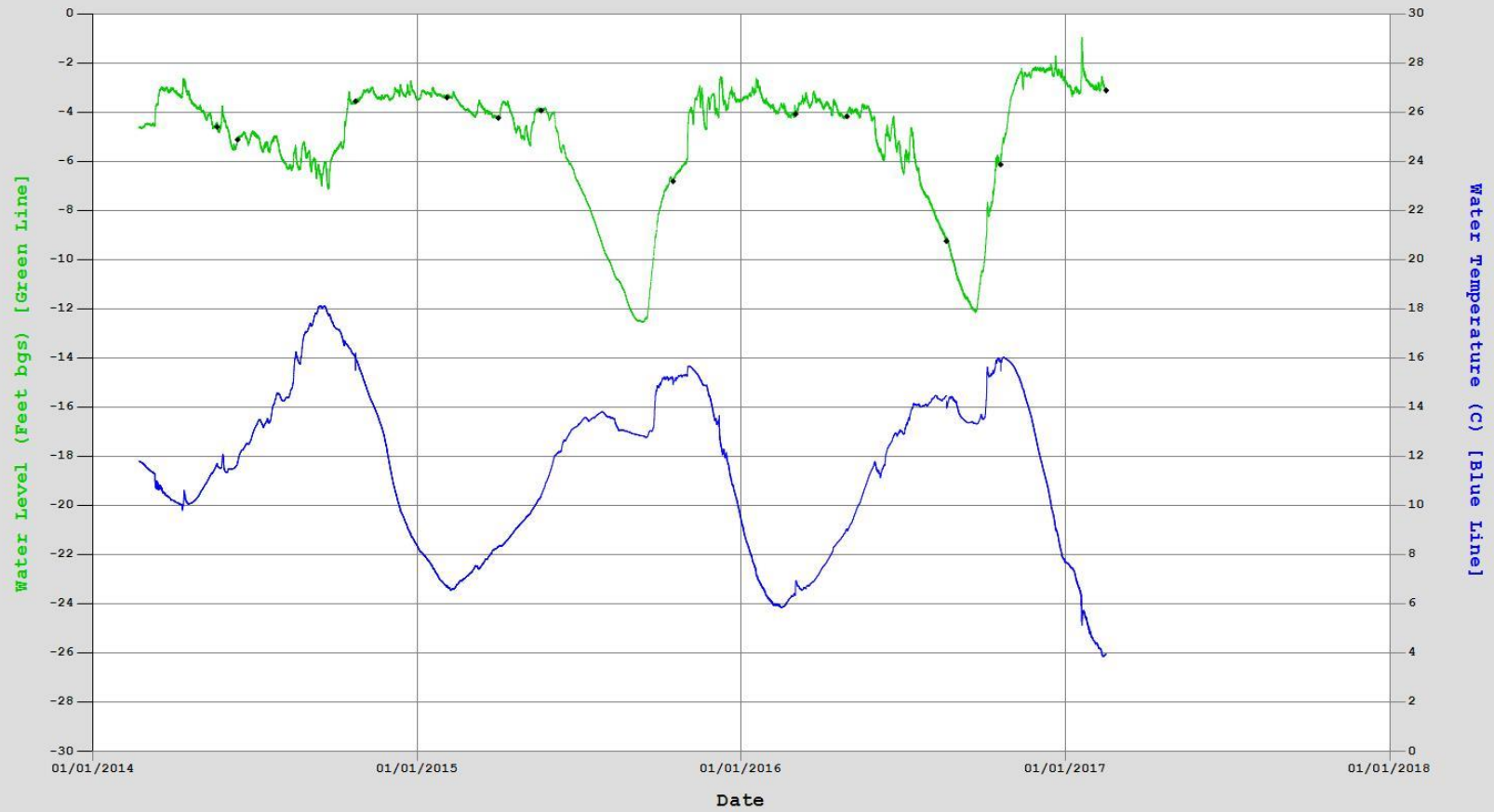


Monitoring Well GW_147

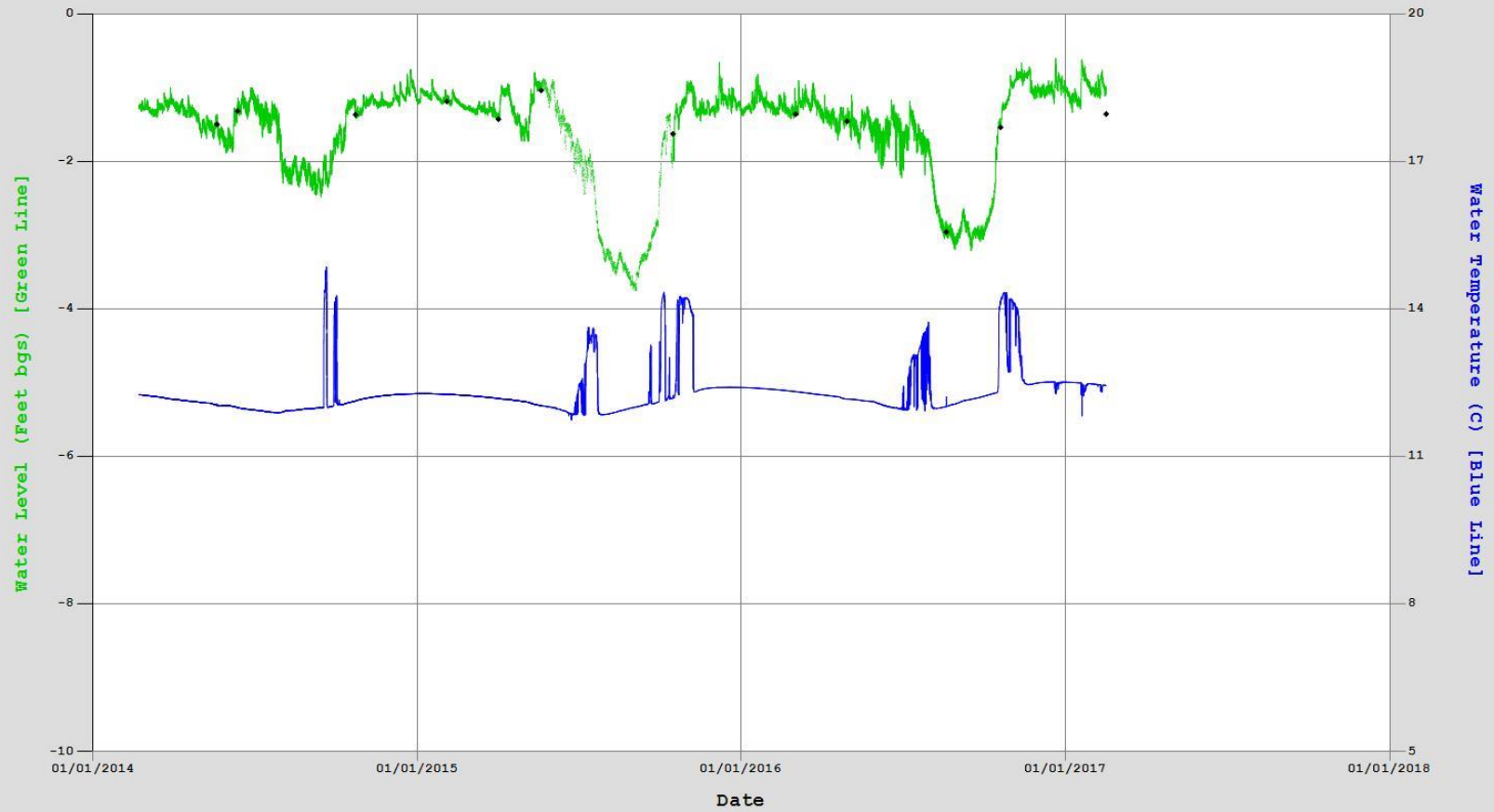
• Manual Water Level Measurements



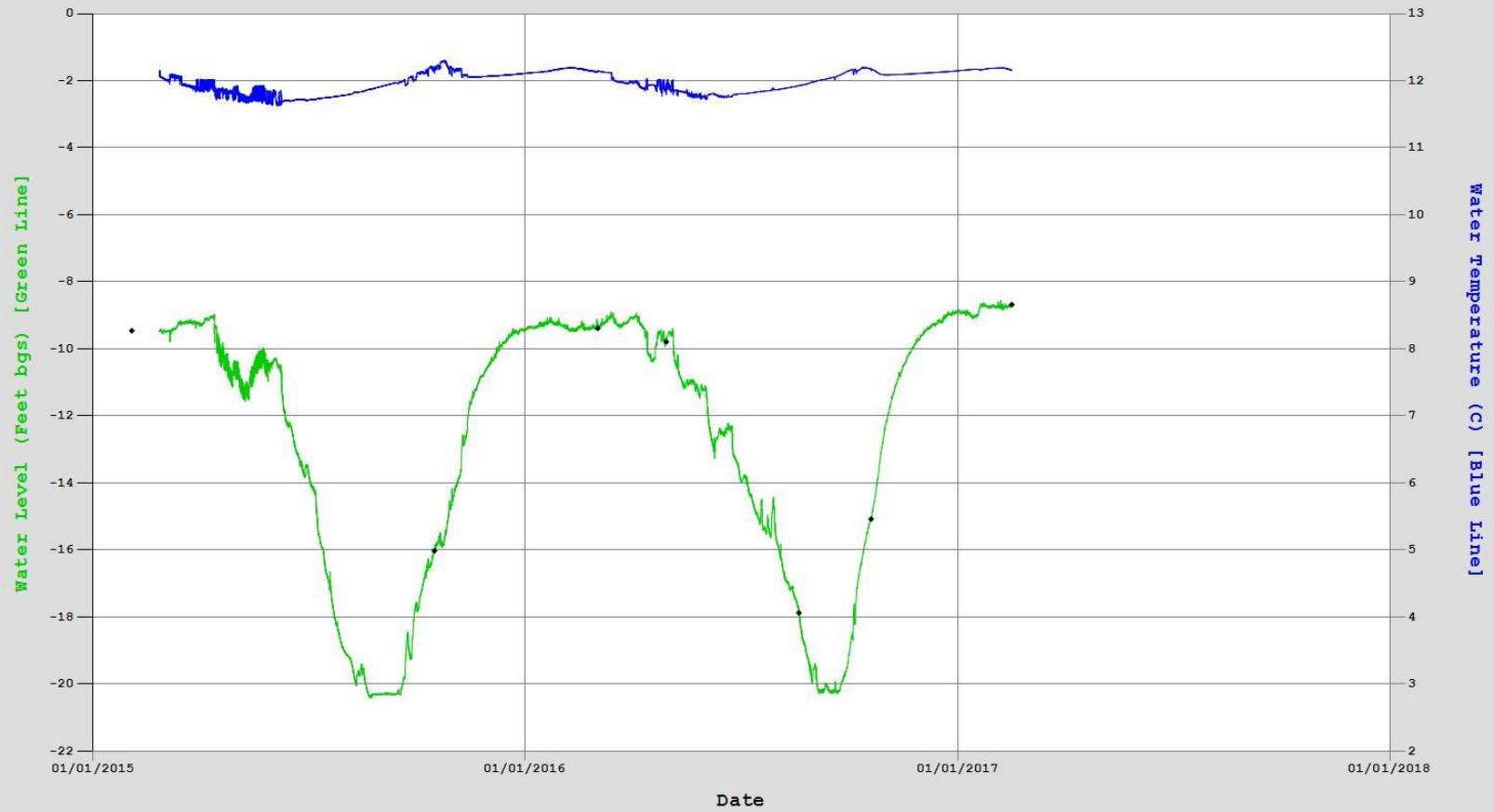
Monitoring Well GW_148



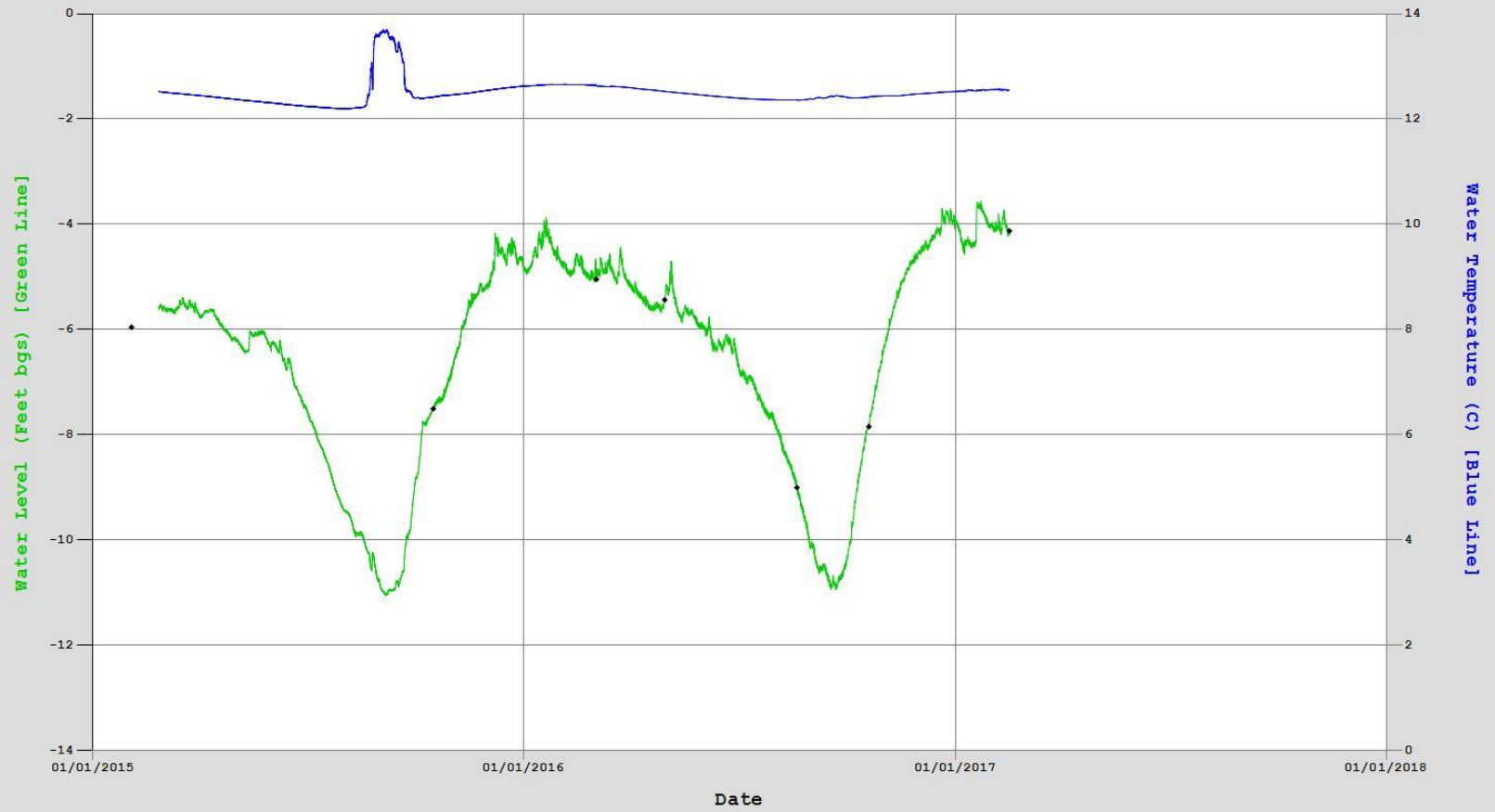
Monitoring Well GW_149



Monitoring Well GW_158



Monitoring Well GW_159



APPENDIX B - WATER & SOIL QUALITY RESULTS FOR WY2016

[Download Water and Soil Quality Data](#)

www.wwbwc.org/images/Projects/AR/Reports/WY2016_Data.zip

LOCHER ROAD - WY2016



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 21, 2016

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 16-03235 - Locher Road

Dear Mr. Steve Patten,

Your project: Locher Road, was received on Friday February 12, 2016.

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

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

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA *Corporate Laboratory (a)*
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 Bend, OR *Microbiology (e)*
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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

Reference Number: **16-03235**
 Project: Locher Road

Report Date: 3/21/16

Date Received: 2/12/16

Approved by: bj,dml,jaa,mvp

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: GW_70 - Locher Road Sample Date: 2/11/16 8:50 am
 Lab Number: 7592 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.18	0.10		NTU	1.0	180.1	a	2/12/16	RHF	TURB_160212	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/23/16	MMH	245.1_160223	
16887-00-6	CHLORIDE	5.9	0.1	0.0043	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
14808-79-8	SULFATE	11.6	0.2	0.0087	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
NA	BICARBONATE	159	10.0		mg CaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CORROSIVITY	-0.59			SI	1.0	SM203	a	3/1/16	MVP	COR_160301	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/12/16	RHF	COLOR_160212	pH: 8
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/12/16	RHF	ODOR_160212	Temperature: 41.6
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	251	10		mg/L	1.0	SM2540 C	a	2/16/16	MMH	TDS_160216	
E-10139	HYDROGEN ION (pH)	7.38 H5			pH Units	1.0	SM4500-H+ B	a	2/12/16	RHF	PH_160212	
14797-55-8	NITRATE-N	6.96	0.05	0.0021	mg/L	5.0	SM4500-NO3 F	a	2/12/16	ANP	NO3NO2_160212	
14265-44-2	ORTHO-PHOSPHATE	0.09	0.01	0.0016	mg/L	1.0	SM4500-P F	a	2/12/16	ANP	OPHOS_160212	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/12/16	JR	AMT5540_160212	Analyzed by Amtest
7440-70-2	CALCIUM	37.8	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-89-6	IRON	0.02 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-96-5	MANGANESE	ND	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7440-38-2	ARSENIC	0.00026 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-39-3	BARIUM	0.042	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-47-3	CHROMIUM	0.00013 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-50-8	COPPER	0.0007 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	

Notes:

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

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

Data Report

7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW
7440-66-6	ZINC	0.0011 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW
	E. Coli	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212
	TOTAL COLIFORM	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212
7723-14-0	TOTAL PHOSPHORUS	0.069	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/16/16	ANP	TPHOS_160216

Notes:

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

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

D.F. - Dilution Factor

Data Report

Sample Description: GW_71 - Locher Road										Sample Date: 2/11/16 10:10 am		
Lab Number: 7593		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.31	0.10		NTU	1.0	180.1	a	2/12/16	RHF	TURB_160212	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/23/16	MMH	245.1_160223	
16887-00-6	CHLORIDE	4.2	0.1	0.0043	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
14808-79-8	SULFATE	10.3	0.2	0.0087	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
NA	BICARBONATE	111	10.0		mg CaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CORROSIVITY	-1.02			SI	1.0	SM203	a	3/1/16	MVP	COR_160301	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/12/16	RHF	COLOR_160212	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/12/16	RHF	ODOR_160212	Temperature: 41.6
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	184	10		mg/L	1.0	SM2540 C	a	2/16/16	MMH	TDS_160216	
E-10139	HYDROGEN ION (pH)	7.26 H5			pH Units	1.0	SM4500-H+ B	a	2/12/16	RHF	PH_160212	
14797-55-8	NITRATE-N	2.91	0.010	0.0021	mg/L	1.0	SM4500-NO3 F	a	2/12/16	ANP	NO3NO2_160212	
14265-44-2	ORTHO-PHOSPHATE	0.09	0.01	0.0016	mg/L	1.0	SM4500-P F	a	2/12/16	ANP	OPHOS_160212	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/12/16	JR	AMT5540_160212	Analyzed by Amtest
7440-70-2	CALCIUM	25.6	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-89-6	IRON	0.04 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-96-5	MANGANESE	0.0005 J	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7440-38-2	ARSENIC	0.00026 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-39-3	BARIUM	0.031	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-50-8	COPPER	0.0011 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-66-6	ZINC	0.0014 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
	E. Coli	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212	
	TOTAL COLIFORM	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212	
7723-14-0	TOTAL PHOSPHORUS	0.068	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/16/16	ANP	TPHOS_160216	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: GW_72 - Locher Road										Sample Date: 2/11/16 9:30 am		
Lab Number: 7594		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.02	0.10		NTU	1.0	180.1	a	2/12/16	RHF	TURB_160212	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/23/16	MMH	245.1_160223	
16887-00-6	CHLORIDE	2.8	0.1	0.0043	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
14808-79-8	SULFATE	9.8	0.2	0.0087	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
NA	BICARBONATE	79.8	10.0		mg CaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CORROSIVITY	-1.31			SI	1.0	SM203	a	3/1/16	MVP	COR_160301	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/12/16	RHF	COLOR_160212	pH: 7
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/12/16	RHF	ODOR_160212	Temperature: 41.5
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	176	10		mg/L	1.0	SM2540 C	a	2/16/16	MMH	TDS_160216	
E-10139	HYDROGEN ION (pH)	7.16 H5			pH Units	1.0	SM4500-H+ B	a	2/12/16	RHF	PH_160212	
14797-55-8	NITRATE-N	6.80	0.05	0.0021	mg/L	5.0	SM4500-NO3 F	a	2/12/16	ANP	NO3NO2_160212	
14265-44-2	ORTHO-PHOSPHATE	0.08	0.01	0.0016	mg/L	1.0	SM4500-P F	a	2/12/16	ANP	OPHOS_160212	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/12/16	JR	AMT5540_160212	Analyzed by Amtest
7440-70-2	CALCIUM	23.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-89-6	IRON	1.13	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-96-5	MANGANESE	0.029	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7440-38-2	ARSENIC	0.00035 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-39-3	BARIUM	0.030	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-47-3	CHROMIUM	0.0005 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-50-8	COPPER	0.0017 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7439-92-1	LEAD	0.00018 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-66-6	ZINC	0.0023 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
	E. Coli	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212	
	TOTAL COLIFORM	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212	
7723-14-0	TOTAL PHOSPHORUS	0.044	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/16/16	ANP	TPHOS_160216	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Canal - Locher Road										Sample Date: 2/11/16 10:45 am		
Lab Number: 7595		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.71	0.10		NTU	1.0	180.1	a	2/12/16	RHF	TURB_160212	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/23/16	MMH	245.1_160223	
16887-00-6	CHLORIDE	3.4	0.1	0.0043	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
16984-48-8	FLUORIDE	0.13	0.1	0.0049	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
14808-79-8	SULFATE	12	0.2	0.0087	mg/L	1.0	300.0	a	2/13/16	MMH	I160212A	
NA	BICARBONATE	164	10.0		mg CaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CARBONATE	ND	10.0		mgCaCO3/L	1.0	310.2	a	2/16/16	ANP	310.2_160216	
NA	CORROSIVITY	-0.67			SI	1.0	SM203	a	3/1/16	MVP	COR_160301	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/12/16	RHF	COLOR_160212	pH: 7.5
E-11734	ODOR	2.38	1		TON	1.0	SM2150	a	2/12/16	RHF	ODOR_160212	Temperature: 41.5
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	230	10		mg/L	1.0	SM2540 C	a	2/16/16	MMH	TDS_160216	
E-10139	HYDROGEN ION (pH)	7.35 H5			pH Units	1.0	SM4500-H+ B	a	2/12/16	RHF	PH_160212	
14797-55-8	NITRATE-N	3.15	0.010	0.0021	mg/L	1.0	SM4500-NO3 F	a	2/12/16	ANP	NO3NO2_160212	
14265-44-2	ORTHO-PHOSPHATE	0.05	0.01	0.0016	mg/L	1.0	SM4500-P F	a	2/12/16	ANP	OPHOS_160212	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/12/16	JR	AMT5540_160212	Analyzed by Amtest
7440-70-2	CALCIUM	32.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-89-6	IRON	0.05	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7439-96-5	MANGANESE	0.008	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/22/16	BJ	200.7_160222A	
7440-38-2	ARSENIC	0.00016 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-39-3	BARIUM	0.033	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-50-8	COPPER	0.001 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7782-49-2	SELENIUM	0.0006 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
7440-66-6	ZINC	0.0017 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/22/16	MVP	200.8_160222WW	
	E. Coli	3.1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212	
	TOTAL COLIFORM	222.4	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	2/13/16	dml	qt_160212	
7723-14-0	TOTAL PHOSPHORUS	0.039	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/16/16	ANP	TPHOS_160216	

Notes:

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07595
Field ID: Canal
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/18/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 2/29/16
Analyst: RJK
Analytical Method: 8081B
Batch: 8081w_160218
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

Notes:

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

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07595
Field ID: Canal
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/18/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 2/26/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160218
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07595
Field ID: Canal
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/17/16
Extraction Method: 5030B

Report Date: 3/21/16
Date Analyzed: 2/17/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160217
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07594
Field ID: GW_72
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/18/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 2/29/16
Analyst: RJK
Analytical Method: 8081B
Batch: 8081w_160218
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07594
Field ID: GW_72
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/18/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 2/26/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160218
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07594
Field ID: GW_72
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/17/16
Extraction Method: 5030B

Report Date: 3/21/16
Date Analyzed: 2/17/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160217
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

Notes:

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D.F. - Dilution Factor.



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07593
Field ID: GW_71
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/18/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 2/29/16
Analyst: RJK
Analytical Method: 8081B
Batch: 8081w_160218
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07593
Field ID: GW_71
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 3/14/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 3/17/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160314
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07593
Field ID: GW_71
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/17/16
Extraction Method: 5030B

Report Date: 3/21/16
Date Analyzed: 2/17/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160217
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07592
Field ID: GW_70
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/18/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 2/29/16
Analyst: RJK
Analytical Method: 8081B
Batch: 8081w_160218
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

Notes:

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DATA REPORT

Page 1 of 1

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07592
Field ID: GW_70
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 3/14/16
Extraction Method: 3510C

Report Date: 3/21/16
Date Analyzed: 3/17/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160314
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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D.F. - Dilution Factor.

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-03235**
Project: Locher Road

Lab Number: 07592
Field ID: GW_70
Sample Description: Locher Road
Matrix: Water
Sample Date: 2/11/16
Extraction Date: 2/17/16
Extraction Method: 5030B

Report Date: 3/21/16
Date Analyzed: 2/17/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160217
Approved By: co,pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160222A	2 CALCIUM	10.4	11	mg/L	200.7	95	90-110	CAL	
	2 IRON	0.99	1	mg/L	200.7	99	90-110	CAL	
	2 MANGANESE	1.04	1	mg/L	200.7	104	90-110	CAL	
200.8_160222WV	0 ARSENIC	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	0 BARIUM	0.00109	0.001	mg/L	200.8	109	80-120	CAL	
	0 CADMIUM	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 CHROMIUM	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	0 COPPER	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 LEAD	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 SELENIUM	0.00091	0.001	mg/L	200.8	91	80-120	CAL	
	0 SILVER	0.00094	0.001	mg/L	200.8	94	80-120	CAL	
	0 ZINC	0.00106	0.001	mg/L	200.8	106	80-120	CAL	
245.1_160223	0 MERCURY	0.00196	0.00200	mg/L	245.1	98	95-105	CAL	
	1 MERCURY	0.000175	0.000200	mg/L	245.1	88	95-105	CAL	MRL
I160212A	0 CHLORIDE	1.0	1	mg/L	300.0	100	90-110	CAL	
	0 FLUORIDE	0.96	1	mg/L	300.0	96	90-110	CAL	
	0 SULFATE	2	2	mg/L	300.0	100	90-110	CAL	
OPHOS_160212	0 ORTHO-PHOSPHATE	0.98	1.00	mg/L	SM4500-P F	98	85-115	CAL	
pH_160212	0 HYDROGEN ION (pH)	8.00	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
	0 HYDROGEN ION (pH)	8.02	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160216	0 TOTAL PHOSPHORUS	0.103	0.100	mg/L	SM4500-P F	103	85-115	CAL	
TURB_160212	0 TURBIDITY	9.84	10.0	NTU	180.1	98	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160222A	0 CALCIUM	13.2	13	mg/L	200.7	102	85-115	LFB	
	0 IRON	0.52	0.5	mg/L	200.7	104	85-115	LFB	
	0 MANGANESE	0.54	0.5	mg/L	200.7	108	85-115	LFB	
200.8_160222WV	0 ARSENIC	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 BARIUM	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 CADMIUM	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 CHROMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 LEAD	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 SELENIUM	0.022	0.025	mg/L	200.8	88	85-115	LFB	
	0 SILVER	0.0125	0.0125	mg/L	200.8	100	85-115	LFB	
	0 ZINC	0.024	0.025	mg/L	200.8	96	85-115	LFB	
245.1_160223	0 MERCURY	0.00162	0.00167	mg/L	245.1	97	90-110	LFB	
8081W_160218	0 4,4' - DDD	0.46	0.5	ug/L	8081A	92	78-132	LFB	
	0 4,4' - DDE	0.48	0.5	ug/L	8081A	96	73-127	LFB	
	0 4,4' - DDT	0.53	0.5	ug/L	8081A	106	56-158	LFB	
	0 ALDRIN	0.4	0.5	ug/L	8081A	80	68-128	LFB	
	0 ALPHA-CHLORDANE	0.48	0.5	ug/L	8081A	96	70-130	LFB	
	0 BHC, ALPHA -	0.47	0.5	ug/L	8081A	94	37-134	LFB	
	0 BHC, BETA -	0.44	0.5	ug/L	8081A	88	17-147	LFB	
	0 BHC, DELTA -	0.47	0.5	ug/L	8081A	94	32-127	LFB	
	0 DIELDRIN	0.51	0.5	ug/L	8081A	102	74-134	LFB	
	0 ENDOSULFAN I	0.48	0.5	ug/L	8081A	96	67-133	LFB	
	0 ENDOSULFAN II	0.46	0.5	ug/L	8081A	92	64-142	LFB	
	0 ENDOSULFAN SULFATE	0.47	0.5	ug/L	8081A	94	71-143	LFB	
	0 ENDRIN	0.48	0.5	ug/L	8081A	96	30-147	LFB	
	0 ENDRIN ALDEHYDE	0.46	0.5	ug/L	8081A	92	70-130	LFB	
	0 ENDRIN KETONE	0.46	0.5	ug/L	8081A	92	70-130	LFB	
	0 GAMMA-CHLORDANE	0.49	0.5	ug/L	8081A	98	74-124	LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8081W_160218	0 HEPTACHLOR	0.46	0.5	ug/L	8081A	92	61-133	LFB		
	0 HEPTACHLOR EPOXIDE "B"	0.48	0.5	ug/L	8081A	96	73-127	LFB		
	0 LINDANE (BHC - GAMMA)	0.47	0.5	ug/L	8081A	94	17-140	LFB		
	0 METHOXYCHLOR	0.49	0.5	ug/L	8081A	98	41-157	LFB		
8151W_160218	0 2,4 - D	1.21	2	ug/L	8151A	61	60-120	LFB		
	0 2,4 DB	8.04	8	ug/L	8151A	101	49-136	LFB		
	0 2,4,5 - TP (SILVEX)	1.06	1	ug/L	8151A	106	68-122	LFB		
	0 2,4,5 T	0.75	1	ug/L	8151A	75	62-128	LFB		
	0 ACIFLUORFEN	1.35	1	ug/L	8151A	135	65-125	LFB		
	0 BENTAZON	2.19	2	ug/L	8151A	110	67-121	LFB		
	0 DALAPON	13.6	13	ug/L	8151A	105	53-142	LFB		
	0 DICAMBA	0.95	1	ug/L	8151A	95	66-126	LFB		
	0 DICHLORPROP	2.9	3	ug/L	8151A	97	63-123	LFB		
	0 DINOSEB	1.58	2	ug/L	8151A	79	73-127	LFB		
	0 PENTACHLOROPHENOL	0.9	1	ug/L	8151A	90	69-123	LFB		
	0 PICLORAM	0.91	1	ug/L	8151A	91	48-114	LFB		
	0 TOTAL DCPA	0.27	1	ug/L	8151A	27	48-168	LFB		
8151W_160314	0 2,4 - D	1.8	2	ug/L	8151A	90	60-120	LFB		
	0 2,4 DB	7.9	8	ug/L	8151A	99	49-136	LFB		
	0 2,4,5 - TP (SILVEX)	0.92	1	ug/L	8151A	92	68-122	LFB		
	0 2,4,5 T	0.85	1	ug/L	8151A	85	62-128	LFB		
	0 ACIFLUORFEN	0.81	1	ug/L	8151A	81	65-125	LFB		
	0 BENTAZON	1.6	2	ug/L	8151A	80	67-121	LFB		
	0 DALAPON	10.8	13	ug/L	8151A	83	53-142	LFB		
	0 DICAMBA	0.87	1	ug/L	8151A	87	66-126	LFB		
	0 DICHLORPROP	2.6	3	ug/L	8151A	87	63-123	LFB		
	0 DINOSEB	1.8	2	ug/L	8151A	90	73-127	LFB		
	0 PENTACHLOROPHENOL	0.89	1	ug/L	8151A	89	69-123	LFB		
	0 PICLORAM	0.72	1	ug/L	8151A	72	48-114	LFB		
	0 TOTAL DCPA	0.86	1	ug/L	8151A	86	48-168	LFB		

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8151W_160314	0 TRICLOPYR	0.96	1	ug/L	8151A	96	70-130	LFB	
8260W_160217	0 1,1 - DICHLOROETHANE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 1,1 - DICHLOROETHYLENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1 - DICHLOROPROPENE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 1,1,1 - TRICHLOROETHANE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,1,2 - TRICHLOROETHANE	4.7	4	ug/L	8260C	118	70-130	LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	4.8	4	ug/L	8260C	120	70-130	LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	4.3	4	ug/L	8260C	108	70-130	LFB	
	0 1,2 - DICHLOROETHANE	4.5	4	ug/L	8260C	113	70-130	LFB	
	0 1,2 - DICHLOROPROPANE	4.5	4	ug/L	8260C	113	70-130	LFB	
	0 1,2,3 - TRICHLOROBENZENE	4.5	4	ug/L	8260C	113	70-130	LFB	
	0 1,2,3 - TRICHLOROPROPANE	4.6	4	ug/L	8260C	115	70-130	LFB	
	0 1,2,4 - TRICHLOROBENZENE	4.5	4	ug/L	8260C	113	70-130	LFB	
	0 1,2,4 - TRIMETHYLBENZENE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	4.8	4	ug/L	8260C	120	70-130	LFB	
	0 1,3 - DICHLOROBENZENE (meta)	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,3 - DICHLOROPROPANE	4.7	4	ug/L	8260C	118	70-130	LFB	
	0 1,3,5 - TRIMETHYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,4 - DICHLOROBENZENE (para)	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 2,2 - DICHLOROPROPANE	4.4	4	ug/L	8260C	110	70-130	LFB	
	0 BENZENE	4.5	4	ug/L	8260C	113	70-130	LFB	
	0 BROMOBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB	
	0 BROMOCHLOROMETHANE	4.4	4	ug/L	8260C	110	70-130	LFB	
	0 BROMODICHLOROMETHANE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 BROMOFORM	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 BROMOMETHANE	4.4	4	ug/L	8260C	110	70-130	LFB	
	0 CARBON TETRACHLORIDE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 CHLOROBENZENE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 CHLOROETHANE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 CHLOROFORM	4.1	4	ug/L	8260C	103	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True		Method	%	Recovery	Limits*	QC		Comment
			Value	Units					Qualifier	Type	
8260W_160217	0 CHLOROMETHANE	4.0	4	ug/L	8260C	100	70-130			LFB	
	0 CIS - 1,2 - DICHLOROETHENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	4.5	4	ug/L	8260C	113	70-130			LFB	
	0 DIBROMOCHLOROMETHANE	4.3	4	ug/L	8260C	108	70-130			LFB	
	0 DIBROMOMETHANE	4.5	4	ug/L	8260C	113	70-130			LFB	
	0 DICHLORODIFLUOROMETHANE	4.4	4	ug/L	8260C	110	70-130	LE		LFB	
	0 ETHYLBENZENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 HEXACHLOROBUTADIENE	4.1	4	ug/L	8260C	103	70-130			LFB	
	0 ISOPROPYLBENZENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 M,P- XYLENE	8.4	8	ug/L	8260C	105	70-130			LFB	
	0 METHYL TERT-BUTYL ETHER	4.7	4	ug/L	8260C	118	70-130			LFB	
	0 METHYLENE CHLORIDE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 N - BUTYLBENZENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 N - PROPYLBENZENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 NAPHTHALENE	4.7	4	ug/L	8260C	118	70-130			LFB	
	0 O - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130			LFB	
	0 O - XYLENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 P - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130			LFB	
	0 P - ISOPROPYLTOLUENE	4.0	4	ug/L	8260C	100	70-130			LFB	
	0 SEC - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130			LFB	
	0 STYRENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 TERT - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130			LFB	
	0 TETRACHLOROETHYLENE	4.2	4	ug/L	8260C	105	70-130			LFB	
	0 TOLUENE	4.4	4	ug/L	8260C	110	70-130			LFB	
	0 TRANS - 1,2 - DICHLOROETHENE	4.3	4	ug/L	8260C	108	70-130			LFB	
	0 TRANS - 1,3 - DICHLOROPROPENE	4.7	4	ug/L	8260C	118	70-130			LFB	
	0 TRICHLOROETHENE	4.3	4	ug/L	8260C	108	70-130			LFB	
	0 TRICHLOROFLUOROMETHANE	3.7	4	ug/L	8260C	93	70-130			LFB	
	0 VINYL CHLORIDE	3.7	4	ug/L	8260C	93	70-130			LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160222A	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
	0 IRON	ND		mg/L	200.7		0-0	LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_160222WW	0 ARSENIC	ND		mg/L	200.8		0-0	LRB	
	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
245.1_160223	0 MERCURY	ND		mg/L	245.1		0-0	LRB	
I160212A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
OPHOS_160212	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160216	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160222A	0 CALCIUM	ND		mg/L	200.7		0-0	MB	
	0 IRON	ND		mg/L	200.7		0-0	MB	
	0 MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_160222WV	0 ARSENIC	ND		mg/L	200.8		0-0	MB	
	0 BARIUM	ND		mg/L	200.8		0-0	MB	
	0 CADMIUM	ND		mg/L	200.8		0-0	MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	MB	
	0 COPPER	ND		mg/L	200.8		0-0	MB	
	0 LEAD	ND		mg/L	200.8		0-0	MB	
	0 SELENIUM	ND		mg/L	200.8		0-0	MB	
	0 SILVER	ND		mg/L	200.8		0-0	MB	
	0 ZINC	0.0017		mg/L	200.8		0-0	MB	
8081W_160218	0 4,4' - DDD	ND		ug/L	8081A		0-0	MB	
	0 4,4' - DDE	ND		ug/L	8081A		0-0	MB	
	0 4,4' - DDT	ND		ug/L	8081A		0-0	MB	
	0 ALDRIN	ND		ug/L	8081A		0-0	MB	
	0 ALPHA-CHLORDANE	ND		ug/L	8081A		0-0	MB	
	0 BHC, ALPHA -	ND		ug/L	8081A		0-0	MB	
	0 BHC, BETA -	ND		ug/L	8081A		0-0	MB	
	0 BHC, DELTA -	ND		ug/L	8081A		0-0	MB	
	0 DIELDRIN	ND		ug/L	8081A		0-0	MB	
	0 ENDOSULFAN I	ND		ug/L	8081A		0-0	MB	
	0 ENDOSULFAN II	ND		ug/L	8081A		0-0	MB	
	0 ENDOSULFAN SULFATE	ND		ug/L	8081A		0-0	MB	
	0 ENDRIN	ND		ug/L	8081A		0-0	MB	
	0 ENDRIN ALDEHYDE	ND		ug/L	8081A		0-0	MB	
	0 ENDRIN KETONE	ND		ug/L	8081A		0-0	MB	
	0 GAMMA-CHLORDANE	ND		ug/L	8081A		0-0	MB	
	0 HEPTACHLOR	ND		ug/L	8081A		0-0	MB	
	0 HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081A		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8081W_160218	0 LINDANE (BHC - GAMMA)	ND		ug/L	8081A		0-0	MB	
	0 METHOXYCHLOR	ND		ug/L	8081A		0-0	MB	
	0 TOXAPHENE	ND		ug/L	8081A		0-0	MB	
8151W_160218	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
8151W_160314	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160217	0 1,1 - DICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 BENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 BROMOBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 BROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 BROMODICHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 BROMOFORM	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 BROMOMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 CARBON TETRACHLORIDE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 CHLOROBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 CHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 CHLOROFORM	ND		ug/L	8260C	0-0		MB	TB 16-03235
	0 CHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-03235

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160217	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 DIBROMOMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 ETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 ISOPROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 M,P- XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 METHYLENE CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 N - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 N - PROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 NAPHTHALENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 O - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 O - XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 P - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 SEC - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 STYRENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 TERT - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 TETRACHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 TOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-03235
0 TRICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-03235	
0 TRICHLOROFLUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-03235	
0 VINYL CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-03235	
OPHOS_160212	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	MB	
TDS_160216	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Method Blank

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TPHOS_160216	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	
TURB_160212	0 TURBIDITY	ND		NTU	180.1		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-03235**

Report Date: 03/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160222A	0 IRON	2	2	mg/L	200.7	100	95-105	QCS	
	0 MANGANESE	2.02	2	mg/L	200.7	101	95-105	QCS	
	1 CALCIUM	19.6	20	mg/L	200.7	98	95-105	QCS	
200.8_160222WV	0 ARSENIC	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 BARIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CADMIUM	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 CHROMIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 COPPER	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 LEAD	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 SELENIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 SILVER	0.020	0.020	mg/L	200.8	100	90-110	QCS	
	0 ZINC	0.041	0.040	mg/L	200.8	103	90-110	QCS	
245.1_160223	0 MERCURY	0.00253	0.00265	mg/L	245.1	95	90-110	QCS	
COLOR_160212	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
I160212A	0 CHLORIDE	6	6	mg/L	300.0	100	90-110	QCS	
	0 FLUORIDE	3.87	4	mg/L	300.0	97	90-110	QCS	
	0 SULFATE	29.6	30	mg/L	300.0	99	90-110	QCS	
OPHOS_160212	0 ORTHO-PHOSPHATE	0.46	0.49	mg/L	SM4500-P F	94	90-110	QCS	
TDS_160216	0 TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120	QCS	
TPHOS_160216	0 TOTAL PHOSPHORUS	0.036	0.036	mg/L	SM4500-P F	100	90-110	QCS	
TURB_160212	0 TURBIDITY	0.98	1.00	NTU	180.1	98	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



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

Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		Comments
				Result				Qualifier	Type	
Duplicate										
200.7_160222A										
	7764	IRON	0.009	0.009	mg/L	0.0	0-20			DUP
	7764	MANGANESE	0.005	0.0043	mg/L	15.1	0-20			DUP
200.8_160222WW										
	7375	ARSENIC	0.00051	0.00047	mg/L	8.2	0-20			DUP
	7375	CADMIUM	ND	ND	mg/L	NA	0-20			DUP
	7375	CHROMIUM	0.0004	0.0003	mg/L	28.6	0-20	IEV		DUP
	7375	COPPER	0.226	0.224	mg/L	0.9	0-20			DUP
	7375	LEAD	0.00072	0.00072	mg/L	0.0	0-20			DUP
	7375	SELENIUM	ND	ND	mg/L	NA	0-20			DUP
	7375	SILVER	ND	ND	mg/L	NA	0-20			DUP
	7627	ARSENIC	0.003	0.003	mg/L	0.0	0-20			DUP
	7627	CADMIUM	ND	ND	mg/L	NA	0-20			DUP
	7627	CHROMIUM	0.003	0.003	mg/L	0.0	0-20			DUP
	7627	COPPER	0.0033	0.0032	mg/L	3.1	0-20			DUP
	7627	LEAD	0.0011	0.0011	mg/L	0.0	0-20			DUP
	7627	SILVER	ND	ND	mg/L	NA	0-20			DUP
	7627	ZINC	0.017	0.020	mg/L	16.2	0-20			DUP
	7632	ARSENIC	0.00077	0.00086	mg/L	11.0	0-20			DUP
	7632	CADMIUM	0.00024	0.00025	mg/L	4.1	0-20			DUP
	7632	CHROMIUM	0.003	0.003	mg/L	0.0	0-20			DUP
	7632	COPPER	0.028	0.029	mg/L	3.5	0-20			DUP
	7632	LEAD	0.0015	0.0015	mg/L	0.0	0-20			DUP
	7632	SELENIUM	0.00094	0.001	mg/L	6.2	0-20			DUP
	7632	SILVER	0.00042	0.00031	mg/L	30.1	0-20	IM		DUP

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Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
	7632	ZINC	0.096	0.097	mg/L	1.0	0-20		DUP	
245.1_160223										
	7598	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
	7788	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
	7845	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
8151W_160218										
	7594	2,4 - D	ND	ND	ug/L	NA	0-35		DUP	
	7594	2,4 DB	ND	ND	ug/L	NA	0-35		DUP	
	7594	2,4,5 - TP (SILVEX)	ND	ND	ug/L	NA	0-35		DUP	
	7594	2,4,5 T	ND	ND	ug/L	NA	0-35		DUP	
	7594	3,5 - DICHLOROBENZOIC ACID	ND	ND	ug/L	NA	0-35		DUP	
	7594	ACIFLUORFEN	ND	ND	ug/L	NA	0-35		DUP	
	7594	BENTAZON	ND	ND	ug/L	NA	0-35		DUP	
	7594	DALAPON	ND	ND	ug/L	NA	0-35		DUP	
	7594	DICAMBA	ND	ND	ug/L	NA	0-35		DUP	
	7594	DICHLORPROP	ND	ND	ug/L	NA	0-35		DUP	
	7594	DINOSEB	ND	ND	ug/L	NA	0-35		DUP	
	7594	PENTACHLOROPHENOL	ND	ND	ug/L	NA	0-35		DUP	
	7594	PICLORAM	ND	ND	ug/L	NA	0-35		DUP	
	7594	TOTAL DCPA	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160212										
	7592	COLOR	ND	ND	Color Units	NA	0-20		DUP	
I160212A										
	7510	CHLORIDE	38.6	38.7	mg/L	0.3	0-20		DUP	
NO3NO2_160212										
	7592	NITRATE-N	6.96	6.66	mg/L	4.4	0-20		DUP	
OPHOS_160212										
	7447	ORTHO-PHOSPHATE	0.40	0.43	mg/L	7.2	0-20		DUP	
	7592	ORTHO-PHOSPHATE	0.09	0.09	mg/L	0.0	0-20		DUP	
PH_160212										
	7592	HYDROGEN ION (pH)	7.38	7.35	pH Units	0.4	0-45		DUP	
TDS_160216										
	7008	TOTAL DISSOLVED SOLIDS (TDS)	433	436	mg/L	0.7	0-10		DUP	
	7593	TOTAL DISSOLVED SOLIDS (TDS)	184	186	mg/L	1.1	0-10		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result					Qualifier	Type	Comments
TPHOS_160216											
	7194	TOTAL PHOSPHORUS	0.171	0.171		mg/L	0.0	0-20			DUP
	7293	TOTAL PHOSPHORUS	0.029	0.030		mg/L	3.4	0-20			DUP
	7302	TOTAL PHOSPHORUS	0.039	0.037		mg/L	5.3	0-20			DUP
TURB_160212											
	7592	TURBIDITY	0.18	0.19		NTU	5.4	0-20			DUP
	7638	TURBIDITY	5.87	5.88		NTU	0.2	0-20			DUP

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7_160222A															
	7764	IRON	0.009	0.52		0.50	mg/L	102		70-130	NA	0-20			LFM
	7764	MANGANESE	0.005	0.531		0.50	mg/L	105		70-130	NA	0-20			LFM
200.8_160222WW															
	7375	ARSENIC	0.00051	0.025		0.025	mg/L	98		70-130	NA	0-20			LFM
	7375	CADMIUM	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	7375	CHROMIUM	0.0004	0.0256		0.025	mg/L	101		70-130	NA	0-20			LFM
	7375	COPPER	0.226	0.252		0.025	mg/L	104		70-130	NA	0-20			LFM
	7375	LEAD	0.00072	0.025		0.025	mg/L	97		70-130	NA	0-20			LFM
	7375	SELENIUM	ND	0.023		0.025	mg/L	92		70-130	NA	0-20			LFM
	7375	SILVER	ND	0.0126		0.0125	mg/L	101		70-130	NA	0-20			LFM
	7627	ARSENIC	0.003	0.028		0.025	mg/L	100		70-130	NA	0-20			LFM
	7627	CADMIUM	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	7627	CHROMIUM	0.003	0.029		0.025	mg/L	104		70-130	NA	0-20			LFM
	7627	COPPER	0.0033	0.030		0.025	mg/L	107		70-130	NA	0-20			LFM
	7627	LEAD	0.0011	0.02515		0.025	mg/L	96		70-130	NA	0-20			LFM
	7627	SILVER	ND	0.013		0.0125	mg/L	104		70-130	NA	0-20			LFM
	7627	ZINC	0.017	0.037		0.025	mg/L	80		70-130	NA	0-20			LFM
	7632	ARSENIC	0.00077	0.025		0.025	mg/L	97		70-130	NA	0-20			LFM
	7632	CADMIUM	0.00024	0.0253		0.025	mg/L	100		70-130	NA	0-20			LFM
	7632	CHROMIUM	0.003	0.028		0.025	mg/L	100		70-130	NA	0-20			LFM
	7632	COPPER	0.028	0.057		0.025	mg/L	116		70-130	NA	0-20			LFM
	7632	LEAD	0.0015	0.0253		0.025	mg/L	95		70-130	NA	0-20			LFM
	7632	SELENIUM	0.00094	0.024		0.025	mg/L	92		70-130	NA	0-20			LFM
	7632	SILVER	0.00042	0.013		0.0125	mg/L	101		70-130	NA	0-20			LFM
	7632	ZINC	0.096	0.123		0.025	mg/L	108		70-130	NA	0-20			LFM
245.1_160223															
	7598	MERCURY	ND	0.00170	0.00173	0.00167	mg/L	102	104	70-130	1.7	0-20			LFM
	7788	MERCURY	ND	0.00173	0.00169	0.00167	mg/L	104	101	70-130	2.3	0-20			LFM
	7845	MERCURY	ND	0.00173	0.00171	0.00167	mg/L	104	102	70-130	1.2	0-20			LFM
8081W_160218															
	7595	4,4' - DDD	ND	0.43	0.45	0.5	ug/L	86	90	78-132	4.5	0-0			LFM
	7595	4,4' - DDE	ND	0.45	0.46	0.5	ug/L	90	92	73-127	2.2	0-0			LFM

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				Spike Result	Spike Result	Spike Conc		MS	MSD	Qualifier				Type		
	7595	4,4' - DDT	ND	0.49	0.52	0.5	ug/L	98	104	56-158	5.9	0-0			LFM	
	7595	ALDRIN	ND	0.43	0.46	0.5	ug/L	86	92	68-128	6.7	0-0			LFM	
	7595	ALPHA-CHLORDANE	ND	0.44	0.47	0.5	ug/L	88	94	70-130	6.6	0-0			LFM	
	7595	BHC, ALPHA -	ND	0.45	0.48	0.5	ug/L	90	96	37-134	6.5	0-0			LFM	
	7595	BHC, BETA -	ND	0.42	0.45	0.5	ug/L	84	90	17-147	6.9	0-0			LFM	
	7595	BHC, DELTA -	ND	0.46	0.49	0.5	ug/L	92	98	32-127	6.3	0-0			LFM	
	7595	DIELDRIN	ND	0.46	0.51	0.5	ug/L	92	102	74-134	10.3	0-0			LFM	
	7595	ENDOSULFAN I	ND	0.44	0.47	0.5	ug/L	88	94	67-133	6.6	0-0			LFM	
	7595	ENDOSULFAN II	ND	0.42	0.45	0.5	ug/L	84	90	64-142	6.9	0-0			LFM	
	7595	ENDOSULFAN SULFATE	ND	0.44	0.47	0.5	ug/L	88	94	71-143	6.6	0-0			LFM	
	7595	ENDRIN	ND	0.45	0.47	0.5	ug/L	90	94	30-147	4.3	0-0			LFM	
	7595	ENDRIN ALDEHYDE	ND	0.43	0.48	0.5	ug/L	86	96	70-130	11.0	0-0			LFM	
	7595	ENDRIN KETONE	ND	0.43	0.45	0.5	ug/L	86	90	70-130	4.5	0-0			LFM	
	7595	GAMMA-CHLORDANE	ND	0.47	0.5	0.5	ug/L	94	100	74-124	6.2	0-0			LFM	
	7595	HEPTACHLOR	ND	0.48	0.5	0.5	ug/L	96	100	61-133	4.1	0-0			LFM	
	7595	HEPTACHLOR EPOXIDE "B"	ND	0.47	0.49	0.5	ug/L	94	98	73-127	4.2	0-0			LFM	
	7595	LINDANE (BHC - GAMMA)	ND	0.45	0.48	0.5	ug/L	90	96	19-140	6.5	0-0			LFM	
	7595	METHOXYCHLOR	ND	0.44	0.46	0.5	ug/L	88	92	41-157	4.4	0-0			LFM	
8151W_160218																
	7594	2,4 - D	ND	2.23		2	ug/L	112	NA	60-120	NA	0-20			LFM	
	7594	2,4 DB	ND	7.85		8	ug/L	98	NA	49-134	NA	0-20			LFM	
	7594	2,4,5 - TP (SILVEX)	ND	1.13		1	ug/L	113	NA	68-122	NA	0-20			LFM	
	7594	2,4,5 T	ND	1.12		1	ug/L	112	NA	62-128	NA	0-20			LFM	
	7594	ACIFLUORFEN	ND	0.99		1	ug/L	99	NA	65-125	NA	0-20			LFM	
	7594	BENTAZON	ND	2.22		2	ug/L	111	NA	67-121	NA	0-20			LFM	
	7594	DALAPON	ND	15.1		13	ug/L	116	NA	53-421	NA	0-20			LFM	
	7594	DICAMBA	ND	1.04		1	ug/L	104	NA	66-126	NA	0-20			LFM	
	7594	DICHLORPROP	ND	3.25		3	ug/L	108	NA	63-123	NA	0-20			LFM	
	7594	DINOSEB	ND	1.52		2	ug/L	76	NA	73-127	NA	0-20			LFM	
	7594	PENTACHLOROPHENOL	ND	1.02		1	ug/L	102	NA	69-123	NA	0-20			LFM	
	7594	PICLORAM	ND	1.06		1	ug/L	106	NA	48-114	NA	0-20			LFM	
	7594	TOTAL DCPA	ND	1.05		1	ug/L	105	NA	48-168	NA	0-20			LFM	
8151W_160314																
	7593	2,4 - D	ND	1.5		2	ug/L	75	NA	60-120	NA	0-20			LFM	

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				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	7593	2,4 DB	ND	7.8		8	ug/L	98	NA	49-134	NA	0-20			LFM
	7593	2,4,5 - TP (SILVEX)	ND	0.93		1	ug/L	93	NA	68-122	NA	0-20			LFM
	7593	2,4,5 T	ND	0.87		1	ug/L	87	NA	62-128	NA	0-20			LFM
	7593	ACIFLUORFEN	ND	0.8		1	ug/L	80	NA	65-125	NA	0-20			LFM
	7593	BENTAZON	ND	1.8		2	ug/L	90	NA	67-121	NA	0-20			LFM
	7593	DALAPON	ND	11.4		13	ug/L	88	NA	53-421	NA	0-20			LFM
	7593	DICAMBA	ND	0.84		1	ug/L	84	NA	66-126	NA	0-20			LFM
	7593	DICHLORPROP	ND	2.4		3	ug/L	80	NA	63-123	NA	0-20			LFM
	7593	DINOSEB	ND	1.9		2	ug/L	95	NA	73-127	NA	0-20			LFM
	7593	PENTACHLOROPHENOL	ND	0.96		1	ug/L	96	NA	69-123	NA	0-20			LFM
	7593	PICLORAM	ND	0.53		1	ug/L	53	NA	48-114	NA	0-20			LFM
	7593	TOTAL DCPA	ND	0.9		1	ug/L	90	NA	48-168	NA	0-20			LFM
	7593	TRICLOPYR	ND	0.93		1	ug/L	93	NA	70-130	NA	0-20			LFM
I160212A															
	7510	CHLORIDE	38.6	38.8		1	mg/L	20	NA	90-110	NA	0-20	IS		LFM
NO3NO2_160212															
	7592	NITRATE-N	6.96	7.06	7.03	0.5	mg/L	20	14	80-120	35.3	0-20	IM		LFM
OPHOS_160212															
	7447	ORTHO-PHOSPHATE	0.40	1.36	1.40	1.00	mg/L	96	100	70-130	4.1	0-20			LFM
	7592	ORTHO-PHOSPHATE	0.09	1.07	1.09	1.00	mg/L	98	100	70-130	2.0	0-20			LFM
TPHOS_160216															
	7194	TOTAL PHOSPHORUS	0.171	0.208	0.195	0.050	mg/L	74	48	70-130	42.6	0-20	IM		LFM
	7293	TOTAL PHOSPHORUS	0.029	0.073	0.077	0.050	mg/L	88	96	70-130	8.7	0-20			LFM
	7302	TOTAL PHOSPHORUS	0.039	0.093	0.086	0.050	mg/L	108	94	70-130	13.9	0-20			LFM

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 16-03235

Report Date: 03/21/16

Qualifier	Definition
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

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

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)



REPORT TO: STEVEN PATTON
 ADDRESS: 810 S. WARD
 CITY: MEADOWS-FARMER STATE: OR ZIP: 97862
 ATTN:
 PHONE: 541-938-2170 FAX:
 EMAIL: steven.patton@webex.org
 PROJECT NAME: LOTTIX ROAD

BILL TO: CHRS SHEETS
 ADDRESS: 810 S. WARD
 CITY: MEADOWS-FARMER STATE: OR ZIP: 97862
 PHONE: 541-938-2170 FAX:
 P.O.#:
 VISA MC AE EXPRES /
 CARD#

FOR LAB USE ONLY
 REF#
 CHECK REGULATORY PROGRAM
 SAFE DRINKING WATER ACT
 CLEAN WATER ACT
 RCRA / CERCLA
 OTHER

Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 16-03235
 7592 - 7595 7070

- INSTRUCTIONS**
1. USE ONE LINE PER SAMPLE LOCATION.
 2. BE SPECIFIC IN TEST REQUESTS.
 3. NEW LIST EACH METAL INDIVIDUALLY. NEW
 4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
 5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
 STANDARD
 HALF-TIME (50% SURCHARGE)
 QUICKEST (100% SURCHARGE) PHONE CALL REQ.
 EMERGENCY (PHONE CALL REQUIRED)

SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE #	DATE	TIME	8051A-WATER	1518	8280	FOAMING AGENTS	TO ORGANICS	METALS	ODOR	NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/CONDITIONS ON RECEIPT
1	LOTTIX ROAD GLV-70	GRAB	GLV	2/11/06	8:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Both 151's broken	
2	LOTTIX ROAD GLV-71	GRAB	GLV	2/11/06	10:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Both 151's broken	
3	LOTTIX ROAD GLV-72	GRAB	GLV	2/11/06	9:130	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	LOTTIX ROAD CANAL	GRAB	SLV	2/11/06	10:45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

SAMPLED BY: STEVEN PATTON PHONE: 541-938-2170 FAX:
 EMAIL: STEVEN.PATTON@WEBEX.ORG
 SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL)
 *W- WATER SW- SURFACE WATER WW- WASTE WATER OL- OIL
 DW- DRINKING WATER GW- GROUND WATER S- SOIL OTHER:
 CUSTODY SEALS INTACT
 SAMPLE TEMP _____ °C SATISFACTORY
 EVIDENCE OF COOLING
 SAMPLES RECEIVED INTACT
 CHAIN OF CUSTODY & LABELS AGREE
 TOTAL CONTAINERS
 YES NO N/A
 cooler: 3.4 °C
 cooler 2: 2.2 °C

RELINQUISHED BY: SSR DATE: 2/11/06 TIME: 12:00 RECEIVED BY: UPS DATE: 2-12-06 TIME: 1:00

16-03235

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

REPORT TO: STEVEN PATTER	BILL TO: CHARGES SHEETS	REF#
ADDRESS: 610 S. MAIN	ADDRESS: 610 S. MAIN	FOR LAB USE ONLY
CITY: PORTON - RHELVILLE STATE: OR ZIP: 97862	CITY: PORTON - RHELVILLE STATE: OR ZIP: 97862	CHECK REGULATORY PROGRAM
ATTN:	PHONE: 541-938-2170 FAX:	<input type="checkbox"/> SAFE DRINKING WATER ACT
PHONE: 541-938-2170 FAX:	P.O.#:	<input type="checkbox"/> CLEAN WATER ACT
EMAIL: Steven.patten@wubwcc.org	ATTN:	<input type="checkbox"/> RCRA / CERCLA
PROJECT NAME:	<input type="checkbox"/> VISA <input type="checkbox"/> MC <input type="checkbox"/> A/E <input type="checkbox"/> EXPIRES	<input type="checkbox"/> OTHER
	CARD#	

Wilsonville Lab (503-682-7802)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225

Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

TURN AROUND TIME REQUIRED

1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. **NEW!** LIST EACH METAL INDIVIDUALLY. **NEW**
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

ANALYSIS REQUESTED

STANDARD
 HALF-TIME (50% SURCHARGE)
 QUICKEST (100% SURCHARGE) (PHONE CALL REQ.)
 EMERGENCY (PHONE CALL REQUIRED)

Sm9233B.26 (OW)
 QUANTI-TRAY (MPN)
 T. AROS (PARTICULATE)
 TRIP BLANK (926)

NUMBER OF CONTAINERS

SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT

SEE OTHER FOR

SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX *	DATE	TIME	ANALYSIS REQUESTED	NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	Locher Pond GLO-70	GRAB	GLO	2-11-16	5:45	<input checked="" type="checkbox"/>		
2	Locher Pond GLO-71	GRAB	GLO	2-11-16	10:10	<input checked="" type="checkbox"/>		
3	Locher Pond GLO-72	GRAB	GLO	2-11-16	9:30	<input checked="" type="checkbox"/>		
4	Locher Pond CAUSE	GRAB	SLD	2-11-16	10:45	<input checked="" type="checkbox"/>		
5						<input type="checkbox"/>		
6						<input type="checkbox"/>		
7						<input type="checkbox"/>		
8						<input type="checkbox"/>		
9						<input type="checkbox"/>		
10						<input type="checkbox"/>		

SAMPLED BY: **STEVEN PATTER** PHONE: **541-938-2170** FAX:

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) * W-WATER DW-DRINKING WATER SW-SURFACE WATER WW-WASTE WATER OL-OIL

EMAIL: **Steven.patten@wubwcc.org**

RELINQUISHED BY: *[Signature]* DATE: **2/11/16** TIME: **12:00** RECEIVED BY: **UPS** DATE: **2-12-16** TIME: **10:00**

CUSTOMY SEALS INTACT YES NO N/A

SAMPLE TEMP _____ °C SATISFACTORY YES NO N/A

EVIDENCE OF COOLING YES NO N/A

SAMPLES RECEIVED INTACT YES NO N/A

CHAIN OF CUSTODY & LABELS AGREE YES NO N/A

FORM: COC 01-06-2011

February 29, 2016

Vista Work Order No. 1600124

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

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 12, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'Locher Road'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1600124

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1668C

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

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected at 6.90 pg/L in the Method Blank. No other analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1600124-01	GW-70	11-Feb-16 08:50	12-Feb-16 09:36	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600124-02	GW-71	11-Feb-16 10:10	12-Feb-16 09:36	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600124-03	GW-72	11-Feb-16 09:30	12-Feb-16 09:36	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600124-04	CANAL	11-Feb-16 10:45	12-Feb-16 09:36	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0104	Lab Sample: B6B0104-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Feb-2016 8:12	Date Analyzed: 24-Feb-16 17:16 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.32			PCB-43/49	ND	0.899		
PCB-2	ND	1.31			PCB-44	ND	1.12		
PCB-3	ND	1.30			PCB-45	ND	0.983		
PCB-4/10	ND	4.51			PCB-46	ND	1.08		
PCB-5/8	ND	3.54			PCB-47	ND	0.815		
PCB-6	ND	3.63			PCB-48/75	ND	0.736		
PCB-7/9	ND	3.59			PCB-50	ND	1.02		
PCB-11	6.90				PCB-51	ND	0.881		
PCB-12/13	ND	3.29			PCB-52/69	0.929			J
PCB-14	ND	2.84			PCB-53	ND	0.900		
PCB-15	ND	2.90			PCB-54	ND	0.776		
PCB-16/32	ND	0.855			PCB-55	ND	0.593		
PCB-17	ND	0.780			PCB-56/60	ND	0.660		
PCB-18	ND	1.01			PCB-57	ND	0.662		
PCB-19	ND	0.949			PCB-58	ND	0.653		
PCB-20/21/33	ND	0.601			PCB-61/70	ND	0.659		
PCB-22	ND	0.598			PCB-62	ND	0.719		
PCB-23	ND	0.575			PCB-63	ND	0.638		
PCB-24/27	ND	0.574			PCB-65	ND	0.742		
PCB-25	ND	0.634			PCB-66/76	ND	0.629		
PCB-26	ND	0.562			PCB-67	ND	0.680		
PCB-28	ND	0.706			PCB-68	ND	0.607		
PCB-29	ND	0.575			PCB-73	ND	0.725		
PCB-30	ND	0.600			PCB-74	ND	0.612		
PCB-31	ND	0.698			PCB-77	ND	0.523		
PCB-34	ND	0.535			PCB-78	ND	0.565		
PCB-35	ND	0.553			PCB-79	ND	0.629		
PCB-36	ND	0.535			PCB-80	ND	0.551		
PCB-37	ND	0.515			PCB-81	ND	0.516		
PCB-38	ND	0.560			PCB-82	ND	2.11		
PCB-39	ND	0.551			PCB-83	ND	1.33		
PCB-40	ND	1.14			PCB-84/92	ND	1.91		
PCB-41/64/71/72	ND	0.730			PCB-85/116	ND	1.58		
PCB-42/59	ND	0.790			PCB-86	ND	2.13		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0104	Lab Sample: B6B0104-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Feb-2016 8:12	Date Analyzed: 24-Feb-16 17:16 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.38			PCB-133/142	ND	1.54		
PCB-88/91	ND	2.01			PCB-134/143	ND	1.51		
PCB-89	ND	2.05			PCB-135	ND	1.80		
PCB-90/101	ND	1.69			PCB-136	ND	1.26		
PCB-93	ND	2.13			PCB-137	ND	1.36		
PCB-94	ND	2.00			PCB-138/163/164	ND		1.43	
PCB-95/98/102	ND	1.76			PCB-139/149	1.42			J
PCB-96	ND	1.66			PCB-140	ND	1.85		
PCB-97	ND	1.70			PCB-141	ND	1.38		
PCB-99	ND	1.64			PCB-144	ND	1.68		
PCB-100	ND	1.88			PCB-145	ND	1.31		
PCB-103	ND	1.87			PCB-146/165	ND	1.30		
PCB-104	ND	1.43			PCB-147	ND	1.84		
PCB-105	ND	0.839			PCB-148	ND	1.76		
PCB-106/118	ND	1.20			PCB-150	ND	1.27		
PCB-107/109	ND	1.17			PCB-151	ND	1.76		
PCB-108/112	ND	1.57			PCB-152	ND	1.23		
PCB-110	ND	1.29			PCB-153	ND		1.21	
PCB-111/115	ND	1.19			PCB-154	ND	1.61		
PCB-113	ND	1.53			PCB-155	ND	1.20		
PCB-114	ND	0.887			PCB-156	ND	1.02		
PCB-119	ND	1.17			PCB-157	ND	1.07		
PCB-120	ND	1.11			PCB-158/160	ND	1.07		
PCB-121	ND	1.29			PCB-159	ND	1.02		
PCB-122	ND	1.06			PCB-166	ND	1.09		
PCB-123	ND	1.25			PCB-167	ND	1.06		
PCB-124	ND	1.20			PCB-168	ND	1.03		
PCB-126	ND	0.955			PCB-169	ND	1.19		
PCB-127	ND	0.941			PCB-170	ND	0.980		
PCB-128/162	ND	1.20			PCB-171	ND	0.952		
PCB-129	ND	1.59			PCB-172	ND	1.02		
PCB-130	ND	1.74			PCB-173	ND	1.26		
PCB-131	ND	1.66			PCB-174	ND	1.08		
PCB-132/161	ND	1.25			PCB-175	ND	0.995		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0104	Lab Sample: B6B0104-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Feb-2016 8:12	Date Analyzed: 24-Feb-16 17:16 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.716			Total triCB	ND	1.01		
PCB-177	ND	1.09			Total tetraCB	0.929			
PCB-178	ND	0.969			Total pentaCB	ND	2.13		
PCB-179	ND	0.749			Total hexaCB	1.42		4.05	
PCB-180	ND	0.957			Total heptaCB	ND	1.40		
PCB-181	ND	1.03			Total octaCB	0.763			
PCB-182/187	ND	1.40			Total nonaCB	ND	1.69		
PCB-183	ND	0.851			DecaCB	ND	1.39		
PCB-184	ND	0.779			Total PCB	10.0			
PCB-185	ND	0.987							
PCB-186	ND	0.715							
PCB-188	ND	0.685							
PCB-189	ND	0.749							
PCB-190	ND	0.729							
PCB-191	ND	0.745							
PCB-192	ND	0.798							
PCB-193	ND	0.749							
PCB-194	0.763			J					
PCB-195	ND	0.980							
PCB-196/203	ND	1.61							
PCB-197	ND	1.14							
PCB-198	ND	1.77							
PCB-199	ND	1.80							
PCB-200	ND	1.29							
PCB-201	ND	1.22							
PCB-202	ND	1.31							
PCB-204	ND	1.24							
PCB-205	ND	0.694							
PCB-206	ND	1.69							
PCB-207	ND	0.739							
PCB-208	ND	0.749							
PCB-209	ND	1.39							
Total monoCB	ND	1.32							
Total diCB	6.90								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0104	Lab Sample: B6B0104-BLK1
Sample Size: 1.00 L	Date Extracted: 23-Feb-2016 8:12	Date Analyzed: 24-Feb-16 17:16 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	76.8	5-145		13C-PCB-157	104	10-145	
13C-PCB-3	83.3	5-145		13C-PCB-159	107	10-145	
13C-PCB-4	74.7	5-145		13C-PCB-167	108	10-145	
13C-PCB-11	90.4	5-145		13C-PCB-169	109	10-145	
13C-PCB-9	80.2	5-145		13C-PCB-170	97.3	10-145	
13C-PCB-19	79.0	5-145		13C-PCB-180	96.2	10-145	
13C-PCB-28	97.2	5-145		13C-PCB-188	92.3	10-145	
13C-PCB-32	85.9	5-145		13C-PCB-189	99.4	10-145	
13C-PCB-37	109	5-145		13C-PCB-194	98.8	10-145	
13C-PCB-47	90.5	5-145		13C-PCB-202	89.0	10-145	
13C-PCB-52	90.9	5-145		13C-PCB-206	96.5	10-145	
13C-PCB-54	76.4	5-145		13C-PCB-208	82.8	10-145	
13C-PCB-70	95.9	5-145		13C-PCB-209	98.3	10-145	
13C-PCB-77	109	10-145		CRS 13C-PCB-79	98.0	10-145	
13C-PCB-80	95.7	10-145		13C-PCB-178	93.6	10-145	
13C-PCB-81	105	10-145					
13C-PCB-95	91.8	10-145					
13C-PCB-97	103	10-145					
13C-PCB-101	97.4	10-145					
13C-PCB-104	84.9	10-145					
13C-PCB-105	124	10-145					
13C-PCB-114	118	10-145					
13C-PCB-118	106	10-145					
13C-PCB-123	109	10-145					
13C-PCB-126	126	10-145					
13C-PCB-127	125	10-145					
13C-PCB-138	106	10-145					
13C-PCB-141	105	10-145					
13C-PCB-153	102	10-145					
13C-PCB-155	88.3	10-145					
13C-PCB-156	108	10-145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6B0104
Date Extracted: 23-Feb-2016 8:12

Lab Sample: B6B0104-BS1
Date Analyzed: 24-Feb-16 15:05 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	39.7	1000	3.97	60 - 135	IS 13C-PCB-1	86.2	15 - 145
PCB-3	40.5	1000	4.05	60 - 135	IS 13C-PCB-3	89.1	15 - 145
PCB-4/10	88.2	2000	4.41	60 - 135	IS 13C-PCB-4	79.2	15 - 145
PCB-15	46.4	1000	4.64	60 - 135	IS 13C-PCB-9	84.1	15 - 145
PCB-19	49.3	1000	4.93	60 - 135	IS 13C-PCB-11	88.7	15 - 145
PCB-37	50.5	1000	5.05	60 - 135	IS 13C-PCB-19	79.2	15 - 145
PCB-54	50.3	1000	5.03	60 - 135	IS 13C-PCB-28	80.0	15 - 145
PCB-77	46.6	1000	4.66	60 - 135	IS 13C-PCB-32	84.6	15 - 145
PCB-81	46.0	1000	4.60	60 - 135	IS 13C-PCB-37	96.4	15 - 145
PCB-104	47.7	1000	4.77	60 - 135	IS 13C-PCB-47	84.0	15 - 145
PCB-105	43.1	1000	4.31	60 - 135	IS 13C-PCB-52	88.4	15 - 145
PCB-106/118	94.0	2000	4.70	60 - 135	IS 13C-PCB-54	75.9	15 - 145
PCB-114	45.7	1000	4.57	60 - 135	IS 13C-PCB-70	91.8	15 - 145
PCB-123	48.8	1000	4.88	60 - 135	IS 13C-PCB-77	105	40 - 145
PCB-126	44.9	1000	4.49	60 - 135	IS 13C-PCB-80	93.2	40 - 145
PCB-155	46.6	1000	4.66	60 - 135	IS 13C-PCB-81	97.3	40 - 145
PCB-156	46.8	1000	4.68	60 - 135	IS 13C-PCB-95	89.9	40 - 145
PCB-157	48.0	1000	4.80	60 - 135	IS 13C-PCB-97	98.0	40 - 145
PCB-167	48.0	1000	4.80	60 - 135	IS 13C-PCB-101	93.6	40 - 145
PCB-169	49.4	1000	4.94	60 - 135	IS 13C-PCB-104	80.8	40 - 145
PCB-188	48.0	1000	4.80	60 - 135	IS 13C-PCB-105	118	40 - 145
PCB-189	48.5	1000	4.85	60 - 135	IS 13C-PCB-114	112	40 - 145
PCB-202	48.2	1000	4.82	60 - 135	IS 13C-PCB-118	102	40 - 145
PCB-205	48.5	1000	4.85	60 - 135	IS 13C-PCB-123	103	40 - 145
PCB-206	50.7	1000	5.07	60 - 135	IS 13C-PCB-126	121	40 - 145
PCB-208	52.2	1000	5.22	60 - 135	IS 13C-PCB-127	118	40 - 145
PCB-209	47.9	1000	4.79	60 - 135	IS 13C-PCB-138	101	40 - 145
					IS 13C-PCB-141	100	40 - 145
					IS 13C-PCB-153	97.4	40 - 145
					IS 13C-PCB-155	82.4	40 - 145
					IS 13C-PCB-156	102	40 - 145
					IS 13C-PCB-157	99.1	40 - 145
					IS 13C-PCB-159	100	40 - 145
					IS 13C-PCB-167	102	40 - 145
					IS 13C-PCB-169	105	40 - 145
					IS 13C-PCB-170	92.1	40 - 145
					IS 13C-PCB-180	91.1	40 - 145
					IS 13C-PCB-188	84.9	40 - 145
					IS 13C-PCB-189	96.2	40 - 145
					IS 13C-PCB-194	95.5	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6B0104
Date Extracted: 23-Feb-2016 8:12

Lab Sample: B6B0104-BS1
Date Analyzed: 24-Feb-16 15:05 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	83.4	40 - 145
					IS 13C-PCB-206	93.9	40 - 145
					IS 13C-PCB-208	78.7	40 - 145
					IS 13C-PCB-209	95.1	40 - 145
					CRS 13C-PCB-79	98.0	40 - 145
					CRS 13C-PCB-178	90.5	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-70

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-01	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.02 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 8:50					Date Analyzed :	24-Feb-16 18:21 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	17.4				PCB-44	8.20			
PCB-2	ND	1.96			PCB-45	2.48			J
PCB-3	5.11				PCB-46	ND		0.867	
PCB-4/10	39.2				PCB-47	2.78			J
PCB-5/8	72.4				PCB-48/75	2.31			J
PCB-6	13.4				PCB-50	ND	1.04		
PCB-7/9	6.18			J	PCB-51	1.22			J
PCB-11	8.31			B	PCB-52/69	7.19			J, B
PCB-12/13	ND	2.01			PCB-53	2.37			J
PCB-14	ND	1.73			PCB-54	ND	0.790		
PCB-15	14.7				PCB-55	ND	0.578		
PCB-16/32	29.9				PCB-56/60	2.41			J
PCB-17	15.6				PCB-57	ND	0.674		
PCB-18	43.5				PCB-58	ND	0.664		
PCB-19	6.15				PCB-61/70	4.50			J
PCB-20/21/33	26.5				PCB-62	ND	0.741		
PCB-22	14.0				PCB-63	ND	0.649		
PCB-23	ND	0.589			PCB-65	ND	0.764		
PCB-24/27	3.71			J	PCB-66/76	2.97			J
PCB-25	2.68			J	PCB-67	ND	0.692		
PCB-26	ND		4.67		PCB-68	ND	0.625		
PCB-28	28.2				PCB-73	ND	0.754		
PCB-29	ND	0.589			PCB-74	1.88			J
PCB-30	ND	0.549			PCB-77	ND	0.553		
PCB-31	25.6				PCB-78	ND	0.624		
PCB-34	ND	0.548			PCB-79	ND	0.613		
PCB-35	ND	0.571			PCB-80	ND	0.537		
PCB-36	ND	0.552			PCB-81	ND	0.570		
PCB-37	4.21			J	PCB-82	ND	2.04		
PCB-38	ND	0.578			PCB-83	ND	1.30		
PCB-39	ND	0.569			PCB-84/92	1.74			J
PCB-40	1.83			J	PCB-85/116	ND	1.55		
PCB-41/64/71/72	6.90			J	PCB-86	ND	2.09		
PCB-42/59	2.49			J	PCB-87/117/125	ND	1.36		
PCB-43/49	5.87			J	PCB-88/91	ND	1.90		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-70

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-01	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.02 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 8:50					Date Analyzed:	24-Feb-16 18:21 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.85			PCB-136	ND	1.05		
PCB-90/101	ND		1.98		PCB-137	ND	1.58		
PCB-93	ND	2.01			PCB-138/163/164	1.47			J
PCB-94	ND	1.89			PCB-139/149	ND		1.32	
PCB-95/98/102	1.96			J	PCB-140	ND	1.54		
PCB-96	ND	1.50			PCB-141	ND	1.61		
PCB-97	ND	1.66			PCB-144	ND	1.40		
PCB-99	1.44			J	PCB-145	ND	1.09		
PCB-100	ND	1.70			PCB-146/165	ND	1.49		
PCB-103	ND	1.69			PCB-147	ND	1.53		
PCB-104	ND	1.29			PCB-148	ND	1.46		
PCB-105	ND	0.710			PCB-150	ND	1.06		
PCB-106/118	ND		1.35		PCB-151	ND	1.46		
PCB-107/109	ND	1.14			PCB-152	ND	1.02		
PCB-108/112	ND	1.53			PCB-153	1.48			J
PCB-110	2.33			J	PCB-154	ND	1.34		
PCB-111/115	ND	1.16			PCB-155	ND	0.997		
PCB-113	ND	1.37			PCB-156	ND	1.14		
PCB-114	ND	0.766			PCB-157	ND	1.24		
PCB-119	ND	1.15			PCB-158/160	ND	1.23		
PCB-120	ND	1.09			PCB-159	ND	1.21		
PCB-121	ND	1.21			PCB-166	ND	1.30		
PCB-122	ND	0.912			PCB-167	ND	1.22		
PCB-123	ND	1.21			PCB-168	ND	1.19		
PCB-124	ND	1.16			PCB-169	ND	1.38		
PCB-126	ND	0.801			PCB-170	ND	1.14		
PCB-127	ND	0.780			PCB-171	ND	1.07		
PCB-128/162	ND	1.43			PCB-172	ND	1.15		
PCB-129	ND	1.83			PCB-173	ND	1.41		
PCB-130	ND	2.03			PCB-174	ND	1.21		
PCB-131	ND	1.91			PCB-175	ND	1.16		
PCB-132/161	ND	1.44			PCB-176	ND	0.834		
PCB-133/142	ND	1.77			PCB-177	ND	1.23		
PCB-134/143	ND	1.73			PCB-178	ND	1.13		
PCB-135	ND	1.50			PCB-179	ND	0.872		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-70

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-01	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.02 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 8:50					Date Analyzed :	24-Feb-16 18:21 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.08			Total octaCB	ND	2.14		
PCB-181	ND	1.16			Total nonaCB	ND	2.04		
PCB-182/187	ND	1.07			DecaCB	ND	1.24		
PCB-183	ND	0.992			Total PCB	443			B
PCB-184	ND	0.907							
PCB-185	ND	1.11							
PCB-186	ND	0.833							
PCB-188	ND	0.797							
PCB-189	ND	0.880							
PCB-190	ND	0.848							
PCB-191	ND	0.839							
PCB-192	ND	0.899							
PCB-193	ND	0.844							
PCB-194	ND	1.49							
PCB-195	ND	1.69							
PCB-196/203	ND	1.92							
PCB-197	ND	1.36							
PCB-198	ND	2.11							
PCB-199	ND	2.14							
PCB-200	ND	1.54							
PCB-201	ND	1.45							
PCB-202	ND	1.56							
PCB-204	ND	1.48							
PCB-205	ND	1.19							
PCB-206	ND	2.04							
PCB-207	ND	0.893							
PCB-208	ND	0.905							
PCB-209	ND	1.24							
Total monoCB	22.5								
Total diCB	154			B					
Total triCB	200		205						
Total tetraCB	55.4		56.3	B					
Total pentaCB	7.46		10.8						
Total hexaCB	2.95		4.26	B					
Total heptaCB	ND	1.41							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-70

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-01
Project:	Locher Road	Sample Size:	1.02 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 8:50			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 18:21
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	86.5	5 -145		13C-PCB-170	97.2	10 -145	
13C-PCB-3	90.3	5 -145		13C-PCB-180	97.7	10 -145	
13C-PCB-4	79.3	5 -145		13C-PCB-188	93.7	10 -145	
13C-PCB-11	90.6	5 -145		13C-PCB-189	98.0	10 -145	
13C-PCB-9	84.6	5 -145		13C-PCB-194	99.5	10 -145	
13C-PCB-19	81.6	5 -145		13C-PCB-202	90.4	10 -145	
13C-PCB-28	91.4	5 -145		13C-PCB-206	98.4	10 -145	
13C-PCB-32	85.5	5 -145		13C-PCB-208	83.9	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	103	10 -145	
13C-PCB-47	92.4	5 -145		CRS 13C-PCB-79	99.0	10 -145	
13C-PCB-52	93.1	5 -145		13C-PCB-178	92.7	10 -145	
13C-PCB-54	81.0	5 -145					
13C-PCB-70	97.4	5 -145					
13C-PCB-77	106	10 -145					
13C-PCB-80	97.8	10 -145					
13C-PCB-81	102	10 -145					
13C-PCB-95	95.4	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	99.3	10 -145					
13C-PCB-104	88.9	10 -145					
13C-PCB-105	120	10 -145					
13C-PCB-114	117	10 -145					
13C-PCB-118	105	10 -145					
13C-PCB-123	110	10 -145					
13C-PCB-126	126	10 -145					
13C-PCB-127	121	10 -145					
13C-PCB-138	104	10 -145					
13C-PCB-141	103	10 -145					
13C-PCB-153	103	10 -145					
13C-PCB-155	92.4	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	102	10 -145					
13C-PCB-159	104	10 -145					
13C-PCB-167	105	10 -145					
13C-PCB-169	107	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-02	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.03 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 10:10					Date Analyzed:	24-Feb-16 19:26 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	12.1				PCB-44	3.09			J
PCB-2	ND	1.12			PCB-45	ND		0.893	
PCB-3	4.18			J	PCB-46	ND	1.27		
PCB-4/10	28.2				PCB-47	1.87			J
PCB-5/8	50.4				PCB-48/75	0.778			J
PCB-6	9.96				PCB-50	ND	1.16		
PCB-7/9	4.40			J	PCB-51	0.641			J
PCB-11	6.86			B	PCB-52/69	2.76			J, B
PCB-12/13	ND	3.33			PCB-53	0.823			J
PCB-14	ND	2.87			PCB-54	ND	0.885		
PCB-15	7.25				PCB-55	ND	0.627		
PCB-16/32	13.3				PCB-56/60	1.20			J
PCB-17	7.96				PCB-57	ND	0.707		
PCB-18	21.7				PCB-58	ND	0.697		
PCB-19	3.14			J	PCB-61/70	2.05			J
PCB-20/21/33	11.7			J	PCB-62	ND	0.813		
PCB-22	6.10				PCB-63	ND	0.681		
PCB-23	ND	0.661			PCB-65	ND	0.838		
PCB-24/27	1.66			J	PCB-66/76	ND		1.25	
PCB-25	ND		1.27		PCB-67	ND	0.726		
PCB-26	2.77			J	PCB-68	ND	0.685		
PCB-28	13.0				PCB-73	ND	0.856		
PCB-29	ND	0.661			PCB-74	1.01			J
PCB-30	ND	0.460			PCB-77	ND	0.580		
PCB-31	12.2				PCB-78	ND	0.638		
PCB-34	ND	0.615			PCB-79	ND	0.665		
PCB-35	ND	0.617			PCB-80	ND	0.582		
PCB-36	ND	0.596			PCB-81	ND	0.583		
PCB-37	1.42			J	PCB-82	ND	2.33		
PCB-38	ND	0.624			PCB-83	ND	1.53		
PCB-39	ND	0.614			PCB-84/92	ND	2.13		
PCB-40	ND	1.29			PCB-85/116	ND	1.82		
PCB-41/64/71/72	2.72			J	PCB-86	ND	2.46		
PCB-42/59	0.995			J	PCB-87/117/125	ND	1.59		
PCB-43/49	2.19			J	PCB-88/91	ND	2.31		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-02	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.03 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 10:10					Date Analyzed :	24-Feb-16 19:26 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.29			PCB-136	ND	1.22		
PCB-90/101	ND	1.89			PCB-137	ND	0.972		
PCB-93	ND	2.44			PCB-138/163/164	1.01			J
PCB-94	ND	2.29			PCB-139/149	1.17			J, B
PCB-95/98/102	ND		1.50		PCB-140	ND	1.79		
PCB-96	ND	1.80			PCB-141	ND	0.991		
PCB-97	ND	1.95			PCB-144	ND	1.63		
PCB-99	ND	1.83			PCB-145	ND	1.27		
PCB-100	ND	2.04			PCB-146/165	ND	0.970		
PCB-103	ND	2.03			PCB-147	ND	1.79		
PCB-104	ND	1.56			PCB-148	ND	1.70		
PCB-105	ND	0.705			PCB-150	ND	1.23		
PCB-106/118	1.44			J	PCB-151	ND	1.70		
PCB-107/109	ND	1.30			PCB-152	ND	1.19		
PCB-108/112	ND	1.80			PCB-153	1.09			J
PCB-110	1.29			J	PCB-154	ND	1.56		
PCB-111/115	ND	1.37			PCB-155	ND	1.16		
PCB-113	ND	1.71			PCB-156	ND	0.706		
PCB-114	ND	0.778			PCB-157	ND	0.762		
PCB-119	ND	1.35			PCB-158/160	ND	0.729		
PCB-120	ND	1.28			PCB-159	ND	0.724		
PCB-121	ND	1.47			PCB-166	ND	0.775		
PCB-122	ND	0.926			PCB-167	ND	0.744		
PCB-123	ND	1.38			PCB-168	ND	0.773		
PCB-124	ND	1.33			PCB-169	ND	0.866		
PCB-126	ND	0.837			PCB-170	ND	0.726		
PCB-127	ND	0.792			PCB-171	ND	0.693		
PCB-128/162	ND	0.855			PCB-172	ND	0.745		
PCB-129	ND	1.09			PCB-173	ND	0.913		
PCB-130	ND	1.24			PCB-174	ND	0.783		
PCB-131	ND	1.24			PCB-175	ND	0.759		
PCB-132/161	ND	0.938			PCB-176	ND	0.546		
PCB-133/142	ND	1.15			PCB-177	ND	0.796		
PCB-134/143	ND	1.13			PCB-178	ND	0.739		
PCB-135	ND	1.75			PCB-179	ND	0.571		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-02
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 10:10			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 19:26
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.696			Total octaCB	0.575			B
PCB-181	ND	0.747			Total nonaCB	ND	1.42		
PCB-182/187	ND	0.699			DecaCB	ND	0.854		
PCB-183	ND	0.650			Total PCB	245			B
PCB-184	ND	0.594							
PCB-185	ND	0.718							
PCB-186	ND	0.545							
PCB-188	ND	0.522							
PCB-189	ND	0.582							
PCB-190	ND	0.540							
PCB-191	ND	0.542							
PCB-192	ND	0.580							
PCB-193	ND	0.545							
PCB-194	0.575			J, B					
PCB-195	ND	0.998							
PCB-196/203	ND	1.08							
PCB-197	ND	0.765							
PCB-198	ND	1.18							
PCB-199	ND	1.20							
PCB-200	ND	0.863							
PCB-201	ND	0.815							
PCB-202	ND	0.876							
PCB-204	ND	0.831							
PCB-205	ND	0.706							
PCB-206	ND	1.42							
PCB-207	ND	0.579							
PCB-208	ND	0.587							
PCB-209	ND	0.854							
Total monoCB	16.3								
Total diCB	107			B					
Total triCB	95.0		96.2						
Total tetraCB	20.1		22.3	B					
Total pentaCB	2.73		4.24						
Total hexaCB	3.26			B					
Total heptaCB	ND	0.913							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-71

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-02
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 10:10			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 19:26
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	89.1	5 -145		13C-PCB-170	95.8	10 -145	
13C-PCB-3	90.2	5 -145		13C-PCB-180	95.9	10 -145	
13C-PCB-4	80.3	5 -145		13C-PCB-188	89.7	10 -145	
13C-PCB-11	89.3	5 -145		13C-PCB-189	96.5	10 -145	
13C-PCB-9	83.0	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	81.1	5 -145		13C-PCB-202	88.9	10 -145	
13C-PCB-28	85.4	5 -145		13C-PCB-206	97.0	10 -145	
13C-PCB-32	84.0	5 -145		13C-PCB-208	89.6	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	98.2	10 -145	
13C-PCB-47	86.0	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	86.6	5 -145		13C-PCB-178	96.0	10 -145	
13C-PCB-54	76.0	5 -145					
13C-PCB-70	95.2	5 -145					
13C-PCB-77	108	10 -145					
13C-PCB-80	94.8	10 -145					
13C-PCB-81	104	10 -145					
13C-PCB-95	92.7	10 -145					
13C-PCB-97	103	10 -145					
13C-PCB-101	96.7	10 -145					
13C-PCB-104	83.3	10 -145					
13C-PCB-105	124	10 -145					
13C-PCB-114	116	10 -145					
13C-PCB-118	107	10 -145					
13C-PCB-123	110	10 -145					
13C-PCB-126	127	10 -145					
13C-PCB-127	124	10 -145					
13C-PCB-138	106	10 -145					
13C-PCB-141	104	10 -145					
13C-PCB-153	101	10 -145					
13C-PCB-155	88.5	10 -145					
13C-PCB-156	107	10 -145					
13C-PCB-157	102	10 -145					
13C-PCB-159	106	10 -145					
13C-PCB-167	107	10 -145					
13C-PCB-169	108	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-03	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.03 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 9:30					Date Analyzed :	24-Feb-16 20:31 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	14.1				PCB-44	6.00			
PCB-2	0.949			J	PCB-45	2.19			J
PCB-3	4.33			J	PCB-46	1.07			J
PCB-4/10	33.1				PCB-47	2.63			J
PCB-5/8	56.8				PCB-48/75	ND		1.20	
PCB-6	10.1				PCB-50	ND	1.33		
PCB-7/9	5.15			J	PCB-51	1.17			J
PCB-11	9.58			B	PCB-52/69	5.40			J, B
PCB-12/13	ND	3.71			PCB-53	1.93			J
PCB-14	ND	3.19			PCB-54	ND	1.01		
PCB-15	9.59				PCB-55	ND	0.778		
PCB-16/32	21.0				PCB-56/60	2.25			J
PCB-17	10.8				PCB-57	ND	0.865		
PCB-18	30.1				PCB-58	ND	0.852		
PCB-19	4.57			J	PCB-61/70	3.77			J
PCB-20/21/33	18.7				PCB-62	ND	0.941		
PCB-22	10.9				PCB-63	ND	0.833		
PCB-23	ND	0.740			PCB-65	ND	0.970		
PCB-24/27	2.48			J	PCB-66/76	2.66			J
PCB-25	ND		2.04		PCB-67	ND	0.887		
PCB-26	4.26			J	PCB-68	ND	0.793		
PCB-28	20.2				PCB-73	ND	0.961		
PCB-29	ND	0.740			PCB-74	ND		1.53	
PCB-30	ND	0.611			PCB-77	ND	0.736		
PCB-31	21.7				PCB-78	ND	0.783		
PCB-34	ND	0.688			PCB-79	ND	0.825		
PCB-35	ND	0.723			PCB-80	ND	0.722		
PCB-36	ND	0.699			PCB-81	ND	0.715		
PCB-37	3.17			J	PCB-82	ND	2.65		
PCB-38	ND	0.731			PCB-83	ND	1.73		
PCB-39	ND	0.720			PCB-84/92	ND	2.39		
PCB-40	1.34			J	PCB-85/116	ND	2.07		
PCB-41/64/71/72	5.48			J	PCB-86	ND	2.78		
PCB-42/59	2.58			J	PCB-87/117/125	ND	1.81		
PCB-43/49	4.13			J	PCB-88/91	ND	2.63		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-03	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.03 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 9:30					Date Analyzed :	24-Feb-16 20:31 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.57			PCB-136	ND	1.79		
PCB-90/101	2.06			J	PCB-137	ND	1.15		
PCB-93	ND	2.79			PCB-138/163/164	1.27			J
PCB-94	ND	2.62			PCB-139/149	1.37			J, B
PCB-95/98/102	ND		1.37		PCB-140	ND	2.63		
PCB-96	ND	2.09			PCB-141	ND	1.17		
PCB-97	ND	2.22			PCB-144	ND	2.39		
PCB-99	ND		1.09		PCB-145	ND	1.87		
PCB-100	ND	2.38			PCB-146/165	ND	1.14		
PCB-103	ND	2.36			PCB-147	ND	2.63		
PCB-104	ND	1.81			PCB-148	ND	2.50		
PCB-105	0.728			J	PCB-150	ND	1.82		
PCB-106/118	ND		1.20		PCB-151	ND	2.50		
PCB-107/109	ND	1.47			PCB-152	ND	1.75		
PCB-108/112	ND	2.05			PCB-153	ND	1.03		
PCB-110	1.60			J	PCB-154	ND	2.30		
PCB-111/115	ND	1.55			PCB-155	ND	1.71		
PCB-113	ND	1.91			PCB-156	ND	0.880		
PCB-114	ND	0.972			PCB-157	ND	0.916		
PCB-119	ND	1.53			PCB-158/160	ND	0.874		
PCB-120	ND	1.45			PCB-159	ND	0.848		
PCB-121	ND	1.68			PCB-166	ND	0.908		
PCB-122	ND	1.16			PCB-167	ND	0.907		
PCB-123	ND	1.57			PCB-168	ND	0.911		
PCB-124	ND	1.51			PCB-169	ND	1.04		
PCB-126	ND	1.06			PCB-170	ND	0.905		
PCB-127	ND	1.04			PCB-171	ND	0.855		
PCB-128/162	ND	1.00			PCB-172	ND	0.920		
PCB-129	ND	1.30			PCB-173	ND	1.13		
PCB-130	ND	1.48			PCB-174	ND	0.966		
PCB-131	ND	1.46			PCB-175	ND	0.877		
PCB-132/161	ND	1.11			PCB-176	ND	0.631		
PCB-133/142	ND	1.36			PCB-177	ND	0.983		
PCB-134/143	ND	1.33			PCB-178	ND	0.855		
PCB-135	ND	2.57			PCB-179	ND	0.660		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-03
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 9:30			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 20:31
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.859			Total octaCB	ND	1.74		
PCB-181	ND	0.923			Total nonaCB	ND	1.73		
PCB-182/187	ND	0.808			DecaCB	2.86			
PCB-183	ND	0.751			Total PCB	344			B
PCB-184	ND	0.686							
PCB-185	ND	0.886							
PCB-186	ND	0.630							
PCB-188	ND	0.604							
PCB-189	ND	0.687							
PCB-190	ND	0.673							
PCB-191	ND	0.669							
PCB-192	ND	0.716							
PCB-193	ND	0.672							
PCB-194	ND	0.976							
PCB-195	ND	1.45							
PCB-196/203	ND	1.56							
PCB-197	ND	1.11							
PCB-198	ND	1.71							
PCB-199	ND	1.74							
PCB-200	ND	1.25							
PCB-201	ND	1.18							
PCB-202	ND	1.27							
PCB-204	ND	1.20							
PCB-205	ND	1.02							
PCB-206	ND	1.73							
PCB-207	ND	0.702							
PCB-208	ND	0.712							
PCB-209	2.86			J					
Total monoCB	19.3								
Total diCB	124			B					
Total triCB	148		150						
Total tetraCB	42.6		45.3	B					
Total pentaCB	4.39		8.06						
Total hexaCB	2.65			B					
Total heptaCB	ND	1.13							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-72

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-03
Project:	Locher Road	Sample Size:	1.03 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 9:30			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 20:31
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.2	5 -145		13C-PCB-170	96.4	10 -145	
13C-PCB-3	92.4	5 -145		13C-PCB-180	96.9	10 -145	
13C-PCB-4	83.7	5 -145		13C-PCB-188	92.0	10 -145	
13C-PCB-11	90.3	5 -145		13C-PCB-189	97.5	10 -145	
13C-PCB-9	85.4	5 -145		13C-PCB-194	99.9	10 -145	
13C-PCB-19	82.3	5 -145		13C-PCB-202	90.4	10 -145	
13C-PCB-28	80.1	5 -145		13C-PCB-206	97.0	10 -145	
13C-PCB-32	85.2	5 -145		13C-PCB-208	88.2	10 -145	
13C-PCB-37	97.6	5 -145		13C-PCB-209	99.0	10 -145	
13C-PCB-47	90.9	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	92.7	5 -145		13C-PCB-178	92.2	10 -145	
13C-PCB-54	79.6	5 -145					
13C-PCB-70	96.4	5 -145					
13C-PCB-77	107	10 -145					
13C-PCB-80	96.0	10 -145					
13C-PCB-81	102	10 -145					
13C-PCB-95	94.5	10 -145					
13C-PCB-97	105	10 -145					
13C-PCB-101	101	10 -145					
13C-PCB-104	85.4	10 -145					
13C-PCB-105	123	10 -145					
13C-PCB-114	118	10 -145					
13C-PCB-118	108	10 -145					
13C-PCB-123	114	10 -145					
13C-PCB-126	130	10 -145					
13C-PCB-127	126	10 -145					
13C-PCB-138	105	10 -145					
13C-PCB-141	104	10 -145					
13C-PCB-153	98.4	10 -145					
13C-PCB-155	90.5	10 -145					
13C-PCB-156	107	10 -145					
13C-PCB-157	104	10 -145					
13C-PCB-159	106	10 -145					
13C-PCB-167	109	10 -145					
13C-PCB-169	108	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: CANAL

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Groundwater	Lab Sample:	1600124-04	Date Received:	12-Feb-2016 9:36
Project:	Locher Road		Sample Size:	1.02 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12
Date Collected:	11-Feb-2016 10:45					Date Analyzed :	24-Feb-16 21:37 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.23			PCB-44	ND	1.13		
PCB-2	ND	1.28			PCB-45	ND	0.941		
PCB-3	ND	1.28			PCB-46	ND	1.03		
PCB-4/10	ND	4.47			PCB-47	4.09			J
PCB-5/8	ND	3.55			PCB-48/75	ND	0.740		
PCB-6	ND	3.65			PCB-50	ND	0.998		
PCB-7/9	ND	3.60			PCB-51	1.10			J
PCB-11	9.89			B	PCB-52/69	ND		1.33	
PCB-12/13	ND	3.55			PCB-53	ND	0.861		
PCB-14	ND	3.06			PCB-54	ND	0.759		
PCB-15	ND	3.12			PCB-55	ND	0.549		
PCB-16/32	ND	2.35			PCB-56/60	0.616			J
PCB-17	ND	0.898			PCB-57	ND	0.618		
PCB-18	ND	1.11			PCB-58	ND	0.608		
PCB-19	ND	1.07			PCB-61/70	1.20			J
PCB-20/21/33	ND	0.552			PCB-62	ND	0.723		
PCB-22	ND	0.549			PCB-63	ND	0.595		
PCB-23	ND	0.596			PCB-65	ND	0.745		
PCB-24/27	ND	0.662			PCB-66/76	0.729			J
PCB-25	ND	0.657			PCB-67	ND	0.634		
PCB-26	ND	0.583			PCB-68	ND		0.629	
PCB-28	ND		1.06		PCB-73	ND	0.694		
PCB-29	ND	0.596			PCB-74	ND	0.570		
PCB-30	ND	0.676			PCB-77	ND	0.494		
PCB-31	ND		0.788		PCB-78	ND	0.540		
PCB-34	ND	0.554			PCB-79	ND	0.582		
PCB-35	ND	0.584			PCB-80	ND	0.510		
PCB-36	ND	0.565			PCB-81	ND	0.493		
PCB-37	ND	0.544			PCB-82	ND	2.13		
PCB-38	ND	0.591			PCB-83	ND	1.36		
PCB-39	ND	0.582			PCB-84/92	ND	1.93		
PCB-40	ND	1.14			PCB-85/116	ND	1.63		
PCB-41/64/71/72	0.901			J	PCB-86	ND	2.19		
PCB-42/59	ND	0.793			PCB-87/117/125	ND	1.42		
PCB-43/49	ND		0.578		PCB-88/91	ND	2.16		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: CANAL

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-04	Date Received:	12-Feb-2016 9:36		
Project:	Locher Road	Sample Size:	1.02 L	QC Batch:	B6B0104	Date Extracted:	23-Feb-2016 8:12		
Date Collected:	11-Feb-2016 10:45			Date Analyzed :	24-Feb-16 21:37	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.08			PCB-136	ND	1.23		
PCB-90/101	1.43			J	PCB-137	ND	1.13		
PCB-93	ND	2.29			PCB-138/163/164	ND		1.41	
PCB-94	ND	2.15			PCB-139/149	ND		1.02	
PCB-95/98/102	1.53			J	PCB-140	ND	1.80		
PCB-96	ND	1.72			PCB-141	ND	1.15		
PCB-97	ND	1.74			PCB-144	ND	1.64		
PCB-99	ND	1.66			PCB-145	ND	1.28		
PCB-100	ND	1.95			PCB-146/165	ND	1.03		
PCB-103	ND	1.94			PCB-147	ND	1.80		
PCB-104	ND	1.48			PCB-148	ND	1.72		
PCB-105	ND		0.355		PCB-150	ND	1.24		
PCB-106/118	1.14			J	PCB-151	ND	1.72		
PCB-107/109	ND	1.18			PCB-152	ND	1.20		
PCB-108/112	ND	1.61			PCB-153	1.41			J
PCB-110	1.18			J	PCB-154	ND	1.58		
PCB-111/115	ND	1.22			PCB-155	ND	1.17		
PCB-113	ND	1.55			PCB-156	ND	0.856		
PCB-114	ND	0.942			PCB-157	ND	0.899		
PCB-119	ND	1.21			PCB-158/160	ND	0.847		
PCB-120	ND	1.14			PCB-159	ND	0.839		
PCB-121	ND	1.38			PCB-166	ND	0.898		
PCB-122	ND	1.12			PCB-167	ND	0.896		
PCB-123	ND	1.26			PCB-168	ND	0.822		
PCB-124	ND	1.21			PCB-169	ND	1.03		
PCB-126	ND	0.982			PCB-170	ND	1.02		
PCB-127	ND	0.993			PCB-171	ND	0.933		
PCB-128/162	ND	0.992			PCB-172	ND	1.00		
PCB-129	ND	1.26			PCB-173	ND	1.23		
PCB-130	ND	1.44			PCB-174	ND	1.05		
PCB-131	ND	1.32			PCB-175	ND	0.961		
PCB-132/161	ND	0.997			PCB-176	ND	0.691		
PCB-133/142	ND	1.23			PCB-177	ND	1.07		
PCB-134/143	ND	1.20			PCB-178	ND	0.936		
PCB-135	ND	1.76			PCB-179	ND	0.723		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: CANAL

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-04
Project:	Locher Road	Sample Size:	1.02 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 10:45			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 21:37
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.937			Total octaCB	ND	1.63		
PCB-181	ND	1.01			Total nonaCB	ND	2.01		
PCB-182/187	ND	1.24			DecaCB	ND	1.22		
PCB-183	ND	0.822			Total PCB	25.2			B
PCB-184	ND	0.752							
PCB-185	ND	0.967							
PCB-186	ND	0.691							
PCB-188	ND	0.661							
PCB-189	ND	0.829							
PCB-190	ND	0.761							
PCB-191	ND	0.729							
PCB-192	ND	0.781							
PCB-193	ND	0.733							
PCB-194	ND	0.802							
PCB-195	ND	1.40							
PCB-196/203	ND	1.46							
PCB-197	ND	1.04							
PCB-198	ND	1.61							
PCB-199	ND	1.63							
PCB-200	ND	1.17							
PCB-201	ND	1.10							
PCB-202	ND	1.19							
PCB-204	ND	1.13							
PCB-205	ND	0.990							
PCB-206	ND	2.01							
PCB-207	ND	0.870							
PCB-208	ND	0.882							
PCB-209	ND	1.22							
Total monoCB	ND	1.28							
Total diCB	9.89			B					
Total triCB	ND		1.85						
Total tetraCB	8.63		11.2	B					
Total pentaCB	5.28		5.63						
Total hexaCB	1.41		3.84	B					
Total heptaCB	ND	1.24							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: CANAL

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Groundwater	Lab Sample:	1600124-04
Project:	Locher Road	Sample Size:	1.02 L	Date Received:	12-Feb-2016 9:36
Date Collected:	11-Feb-2016 10:45			QC Batch:	B6B0104
				Date Analyzed:	24-Feb-16 21:37
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	83.5	5 -145		13C-PCB-170	93.1	10 -145	
13C-PCB-3	84.3	5 -145		13C-PCB-180	94.6	10 -145	
13C-PCB-4	75.8	5 -145		13C-PCB-188	92.8	10 -145	
13C-PCB-11	86.8	5 -145		13C-PCB-189	92.6	10 -145	
13C-PCB-9	79.0	5 -145		13C-PCB-194	96.5	10 -145	
13C-PCB-19	76.6	5 -145		13C-PCB-202	88.2	10 -145	
13C-PCB-28	97.6	5 -145		13C-PCB-206	99.0	10 -145	
13C-PCB-32	80.2	5 -145		13C-PCB-208	85.0	10 -145	
13C-PCB-37	108	5 -145		13C-PCB-209	101	10 -145	
13C-PCB-47	86.2	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	88.9	5 -145		13C-PCB-178	95.2	10 -145	
13C-PCB-54	73.6	5 -145					
13C-PCB-70	94.0	5 -145					
13C-PCB-77	112	10 -145					
13C-PCB-80	94.3	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	89.5	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	96.3	10 -145					
13C-PCB-104	82.3	10 -145					
13C-PCB-105	122	10 -145					
13C-PCB-114	118	10 -145					
13C-PCB-118	109	10 -145					
13C-PCB-123	111	10 -145					
13C-PCB-126	128	10 -145					
13C-PCB-127	124	10 -145					
13C-PCB-138	107	10 -145					
13C-PCB-141	104	10 -145					
13C-PCB-153	105	10 -145					
13C-PCB-155	88.1	10 -145					
13C-PCB-156	106	10 -145					
13C-PCB-157	102	10 -145					
13C-PCB-159	107	10 -145					
13C-PCB-167	107	10 -145					
13C-PCB-169	108	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132016-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee department of Environmental Quality	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600124 TAT Std

Samples Arrival:	Date/Time: 02/12/16 0930	Initials: UBSB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time: 02/12/16 1301	Initials: UBSB	Location: WR-2
			Shelf/Rack: B3
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 1.3 (uncorrected)	Time: 1001		Thermometer ID: IR-2
Temp °C: 0.7 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received? <u>A3B</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk # <u>1Z62E3F7015A9016</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Na ₂ S ₂ O ₃ Preservation Documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	COC	Sample Container	<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

April 21, 2016

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 16-07437 - Walla Walla Basin Aquifer Recharge

Dear Mr. Steve Patten,

Your project: Walla Walla Basin Aquifer Recharge, was received on Thursday April 07, 2016.

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

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

Respectfully

Patrick Miller, MS
QA Officer

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

April 21, 2016

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Case Narrative

Reference: **16-07437**

Lab Sample ID	Sample Information
17241	Locher Road - Intake
Analytical Method 200.8	Notes High LFB results for Cu and Zn; samples rerun on 4/19/16 for Cu Zn LFB results for 4/19/16 acceptable. Confirmation results for 4/19/16
	Created by BJ



Burlington, WA Corporate Laboratory (a)
 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
 Bellingham, WA Microbiology (b)
 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c)
 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802
 Corvallis, OR Microbiology/Chemistry (d)
 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR Microbiology (e)
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425


Data Report

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

Reference Number: **16-07437**
 Project: Walla Walla Basin Aquifer Recharge

Report Date: 4/21/16

Date Received: 4/7/16
 Approved by: anp,bj,ckk,fm,mvp
 Authorized by:


 Patrick Miller, MS
 QA Officer

Sample Description: Locher Road - Intake										Sample Date: 4/6/16 10:35 am		
Lab Number: 17241		Sample Comment:						Collected By: Steven Patten				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	7.37	0.10		NTU	1.0	180.1	a	4/7/16	RHF	TURB_160407	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/8/16	MMH	245.1_160408	
16887-00-6	CHLORIDE	1.1	0.1	0.0043	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
14808-79-8	SULFATE	2.1	0.2	0.0087	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
NA	BICARBONATE	34.6	5.00		mg CaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CORROSIVITY	-1.84			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	15	5		Color Units	1.0	SM2120 B	a	4/7/16	RHF	COLOR_160407	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/7/16	RHF	ODOR_160407	Temperature: 41.2
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	76	10		mg/L	1.0	SM2540 C	a	4/7/16	MMH	TDS_160407	
E-10139	HYDROGEN ION (pH)	7.48 H5			pH Units	1.0	SM4500-H+ B	a	4/7/16	RHF	PH_160407	
14797-55-8	NITRATE-N	0.28	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	4/7/16	ANP	NO3NO2_160407	
14265-44-2	ORTHO-PHOSPHATE	0.04	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/7/16	ANP	OPHOS_160407	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		4/8/16	KF	AMTE5540_160407	Analyzed by Amtest
7440-70-2	CALCIUM	7.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.51	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.011	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.00024 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.012	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	0.0003 J	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.002	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	0.0002 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	

Notes:

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

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

Data Report

7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW
7440-66-6	ZINC	0.003	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW
	E. Coli	50.4	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407
	TOTAL COLIFORM	1553.1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407
7723-14-0	TOTAL PHOSPHORUS	0.048	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/11/16	ANP	TPHOS_160411

Sample Description: Locher Road - GW-70								Sample Date: 4/6/16 9:50 am			
Lab Number: 17242		Sample Comment:						Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.98	0.10		NTU	1.0	180.1	a	4/7/16	RHF	TURB_160407	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/8/16	MMH	245.1_160408	
16887-00-6	CHLORIDE	1.3	0.1	0.0043	mg/L	1.0	300.0	a	4/8/16	MMH	I160408A	
16984-48-8	FLUORIDE	0.14	0.1	0.0049	mg/L	1.0	300.0	a	4/8/16	MMH	I160408A	
14808-79-8	SULFATE	2.6	0.2	0.0087	mg/L	1.0	300.0	a	4/8/16	MMH	I160408A	
NA	BICARBONATE	58.1	5.00		mg CaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CORROSIVITY	-1.74			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	10	5		Color Units	1.0	SM2120 B	a	4/7/16	RHF	COLOR_160407	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/7/16	RHF	ODOR_160407	Temperature: 41.2
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	106	10		mg/L	1.0	SM2540 C	a	4/7/16	MMH	TDS_160407	
E-10139	HYDROGEN ION (pH)	7.20 H5			pH Units	1.0	SM4500-H+ B	a	4/7/16	RHF	PH_160407	
14797-55-8	NITRATE-N	0.88	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	4/7/16	ANP	NO3NO2_160407	
14265-44-2	ORTHO-PHOSPHATE	0.13	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/7/16	ANP	OPHOS_160407	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		4/8/16	KF	AMTE5540_160407	Analyzed by Amtest
7440-70-2	CALCIUM	10.5	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.11	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.001	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.00044 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.013	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	ND	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.0025	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-66-6	ZINC	0.0028	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
	E. Coli	1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407	
	TOTAL COLIFORM	70.3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407	

Notes:

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

Data Report

7723-14-0 **TOTAL PHOSPHORUS** 0.129 0.010 0.0061 mg/L 1.0 SM4500-P F/SM4500-P B(5) a 4/11/16 ANP TPHOS_160411

Sample Description: Locher Road - GW-71										Sample Date: 4/6/16 11:10 am			
Lab Number: 17243					Sample Comment:					Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.20	0.10		NTU	1.0	180.1	a	4/7/16	RHF	TURB_160407	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/8/16	MMH	245.1_160408	
16887-00-6	CHLORIDE	4.1	0.1	0.0043	mg/L	1.0	300.0	a	4/8/16	MMH	I160407A	
16984-48-8	FLUORIDE	0.11	0.1	0.0049	mg/L	1.0	300.0	a	4/8/16	MMH	I160407A	
14808-79-8	SULFATE	24.4	0.2	0.0087	mg/L	1.0	300.0	a	4/8/16	MMH	I160407A	
NA	BICARBONATE	117	5.00		mg CaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CORROSIVITY	-1.21			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	9	5		Color Units	1.0	SM2120 B	a	4/7/16	RHF	COLOR_160407	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/7/16	RHF	ODOR_160407	Temperature: 41.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	284	10		mg/L	1.0	SM2540 C	a	4/7/16	MMH	TDS_160407	
E-10139	HYDROGEN ION (pH)	6.93 H5			pH Units	1.0	SM4500-H+ B	a	4/7/16	RHF	PH_160407	
14797-55-8	NITRATE-N	16.1	0.10	0.002	mg/L	10.0	SM4500-NO3 F	a	4/7/16	ANP	NO3NO2_160407	
14265-44-2	ORTHO-PHOSPHATE	0.09	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/7/16	ANP	OPHOS_160407	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		4/8/16	KF	AMTE5540_160407	Analyzed by Amtest
7440-70-2	CALCIUM	35.3	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.02 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	ND	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.00028 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.058	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	ND	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.003	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-66-6	ZINC	0.0015 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407	
	TOTAL COLIFORM	1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407	
7723-14-0	TOTAL PHOSPHORUS	0.097	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/12/16	ANP	TPHOS_160412	

Sample Description: Locher Road - GW-72										Sample Date: 4/6/16 10:15 am			
Lab Number: 17244					Sample Comment:					Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
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Notes:

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 D.F. - Dilution Factor

Data Report

E-10617	TURBIDITY	1.23	0.10		NTU	1.0	180.1	a	4/7/16	RHF	TURB_160407	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/8/16	MMH	245.1_160408	
16887-00-6	CHLORIDE	1.2	0.1	0.0043	mg/L	1.0	300.0	a	4/8/16	MMH	I160407A	
16984-48-8	FLUORIDE	0.12	0.1	0.0049	mg/L	1.0	300.0	a	4/8/16	MMH	I160407A	
14808-79-8	SULFATE	3.5	0.2	0.0087	mg/L	1.0	300.0	a	4/8/16	MMH	I160407A	
NA	BICARBONATE	46.7	5.00		mg CaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	4/8/16	ANP	310.2_160408	
NA	CORROSIVITY	-1.87			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	8	5		Color Units	1.0	SM2120 B	a	4/7/16	RHF	COLOR_160407	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/7/16	RHF	ODOR_160407	Temperature: 41.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	102	10		mg/L	1.0	SM2540 C	a	4/7/16	MMH	TDS_160407	
E-10139	HYDROGEN ION (pH)	7.18 H5			pH Units	1.0	SM4500-H+ B	a	4/7/16	RHF	PH_160407	
14797-55-8	NITRATE-N	1.97	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	4/7/16	ANP	NO3NO2_160407	
14265-44-2	ORTHO-PHOSPHATE	0.10	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/7/16	ANP	OPHOS_160407	
NA	SURFACTANTS	0.031	0.05	0.05	mg/L	1.0	SM5540 C		4/8/16	KF	AMTE5540_160408	Analyzed by Amtest
7440-70-2	CALCIUM	10.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.12	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.0027	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.0005	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.014	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	0.00009 J	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	0.00013 J	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.0015 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	0.00014 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-66-6	ZINC	0.0017 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407	
	TOTAL COLIFORM	35.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/8/16	CLH	qt_160407	
7723-14-0	TOTAL PHOSPHORUS	0.104	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/12/16	ANP	TPHOS_160412	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17244
Field ID: Locher Road
Sample Description: GW-72
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 4/21/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17244
Field ID: Locher Road
Sample Description: GW-72
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 4/21/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2


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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17244
Field ID: Locher Road
Sample Description: GW-72
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 4/21/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17243
Field ID: Locher Road
Sample Description: GW-71
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 4/21/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17243
Field ID: Locher Road
Sample Description: GW-71
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 4/21/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17243
Field ID: Locher Road
Sample Description: GW-71
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 4/21/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17242
Field ID: Locher Road
Sample Description: GW-70
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 4/21/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17242
Field ID: Locher Road
Sample Description: GW-70
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 4/21/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17242
Field ID: Locher Road
Sample Description: GW-70
Matrix: Water
Sample Date: 4/6/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 4/21/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1


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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17241
Field ID: Locher Road
Sample Description: Intake
Matrix: Surface Water
Sample Date: 4/6/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 4/21/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17241
Field ID: Locher Road
Sample Description: Intake
Matrix: Surface Water
Sample Date: 4/6/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 4/21/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	114		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-07437**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17241
Field ID: Locher Road
Sample Description: Intake
Matrix: Surface Water
Sample Date: 4/6/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 4/21/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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

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

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

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160413B	2 CALCIUM	10.2	11	mg/L	200.7	93	90-110	CAL	
	2 IRON	1.02	1	mg/L	200.7	102	90-110	CAL	
	2 MANGANESE	1.07	1	mg/L	200.7	107	90-110	CAL	
200.8_160413WV	0 ARSENIC	0.00101	0.001	mg/L	200.8	101	80-120	CAL	
	0 BARIUM	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	0 CADMIUM	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 CHROMIUM	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 COPPER	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 LEAD	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 SELENIUM	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 SILVER	0.00101	0.001	mg/L	200.8	101	80-120	CAL	
	0 ZINC	0.00109	0.001	mg/L	200.8	109	80-120	CAL	
245.1_160408	0 MERCURY	0.00196	0.00200	mg/L	245.1	98	95-105	CAL	
	1 MERCURY	0.000186	0.000200	mg/L	245.1	93	95-105	CAL	MRL
1160407A	0 CHLORIDE	1.08	1	mg/L	300.0	108	90-110	CAL	
	0 FLUORIDE	1.06	1	mg/L	300.0	106	90-110	CAL	
	0 SULFATE	2.0	2	mg/L	300.0	100	90-110	CAL	
1160408A	0 CHLORIDE	1.03	1	mg/L	300.0	103	90-110	CAL	
	0 FLUORIDE	1.06	1	mg/L	300.0	106	90-110	CAL	
	0 SULFATE	2.0	2	mg/L	300.0	100	90-110	CAL	
OPHOS_160407	0 ORTHO-PHOSPHATE	0.99	1.00	mg/L	SM4500-P F	99	85-115	CAL	
pH_160407	0 HYDROGEN ION (pH)	7.98	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
	0 HYDROGEN ION (pH)	7.99	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160411	0 TOTAL PHOSPHORUS	0.099	0.100	mg/L	SM4500-P F	99	85-115	CAL	
TPHOS_160412	0 TOTAL PHOSPHORUS	0.099	0.100	mg/L	SM4500-P F	99	85-115	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
TURB_160407	o TURBIDITY	9.84	10.0	NTU	180.1	98	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160413B	0 CALCIUM	12.3	13	mg/L	200.7	95	85-115	LFB	
	0 IRON	0.48	0.5	mg/L	200.7	96	85-115	LFB	
	0 MANGANESE	0.5	0.5	mg/L	200.7	100	85-115	LFB	
200.8_160413WV	0 ARSENIC	0.023	0.025	mg/L	200.8	92	85-115	LFB	
	0 BARIUM	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 CADMIUM	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 CHROMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.031	0.025	mg/L	200.8	124	85-115	LFB	
	0 LEAD	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 SELENIUM	0.0214	0.025	mg/L	200.8	86	85-115	LFB	
	0 SILVER	0.013	0.0125	mg/L	200.8	104	85-115	LFB	
	0 ZINC	0.031	0.025	mg/L	200.8	124	85-115	LFB	
245.1_160408	0 MERCURY	0.00101	0.00100	mg/L	245.1	101	90-110	LFB	
8151W_160412	0 2,4 - D	2.1	2	ug/L	8151A	105	60-120	LFB	
	0 2,4 DB	9.5	8	ug/L	8151A	119	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	0.99	1	ug/L	8151A	99	68-122	LFB	
	0 2,4,5 T	1	1	ug/L	8151A	100	62-128	LFB	
	0 ACIFLUORFEN	1	1	ug/L	8151A	100	65-125	LFB	
	0 BENTAZON	2.2	2	ug/L	8151A	110	67-121	LFB	
	0 DALAPON	13	13	ug/L	8151A	100	53-142	LFB	
	0 DICAMBA	1.1	1	ug/L	8151A	110	66-126	LFB	
	0 DICHLORPROP	3.1	3	ug/L	8151A	103	63-123	LFB	
	0 DINOSEB	2.2	2	ug/L	8151A	110	73-127	LFB	
	0 PENTACHLOROPHENOL	1	1	ug/L	8151A	100	69-123	LFB	
	0 PICLORAM	0.88	1	ug/L	8151A	88	48-114	LFB	
	0 TOTAL DCPA	0.71	1	ug/L	8151A	71	48-168	LFB	
	0 TRICLOPYR	1	1	ug/L	8151A	100	70-130	LFB	
8260W_160411	0 1,1 - DICHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	0 1,1 - DICHLOROETHYLENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1 - DICHLOROPROPENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1,1 - TRICHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1,2 - TRICHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,2 - DICHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,2 - DICHLOROPROPANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,2,3 - TRICHLOROBENZENE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,2,3 - TRICHLOROPROPANE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,2,4 - TRICHLOROBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,2,4 - TRIMETHYLBENZENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	4.6	4	ug/L	8260C	115	70-130	LFB	
	0 1,3 - DICHLOROBENZENE (meta)	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,3 - DICHLOROPROPANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,3,5 - TRIMETHYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,4 - DICHLOROBENZENE (para)	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 2,2 - DICHLOROPROPANE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 BENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 BROMOBENZENE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 BROMOCHLOROMETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 BROMODICHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 BROMOFORM	3.8	4	ug/L	8260C	95	70-130	LFB	
	0 BROMOMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 CARBON TETRACHLORIDE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 CHLOROBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB	
	0 CHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LE LFB	
	0 CHLOROFORM	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 CHLOROMETHANE	3.8	4	ug/L	8260C	95	70-130	LFB	
	0 CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	4.0	4	ug/L	8260C	100	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
8260W_160411	0 DIBROMOCHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 DIBROMOMETHANE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 DICHLORODIFLUOROMETHANE	3.4	4	ug/L	8260C	85	70-130	LE LFB	
	0 ETHYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 HEXACHLOROBUTADIENE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 ISOPROPYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 M,P- XYLENE	8.3	8	ug/L	8260C	104	70-130	LFB	
	0 METHYL TERT-BUTYL ETHER	4.4	4	ug/L	8260C	110	70-130	LFB	
	0 METHYLENE CHLORIDE	3.4	4	ug/L	8260C	85	70-130	LFB	
	0 N - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 N - PROPYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 NAPHTHALENE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 O - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 O - XYLENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 P - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 P - ISOPROPYLTOLUENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 SEC - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 STYRENE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 TERT - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 TETRACHLOROETHYLENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 TOLUENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 TRANS - 1,2 - DICHLOROETHENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 TRANS - 1,3 - DICHLOROPROPENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 TRICHLOROETHENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 TRICHLOROFLUOROMETHANE	4.7	4	ug/L	8260C	118	70-130	LFB	
	0 VINYL CHLORIDE	3.8	4	ug/L	8260C	95	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_160413B	0 CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0 IRON	ND		mg/L	200.7		0-0		LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0		LRB	
200.8_160413WV	0 ARSENIC	ND		mg/L	200.8		0-0		LRB	
	0 BARIUM	ND		mg/L	200.8		0-0		LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0		LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		LRB	
	0 COPPER	ND		mg/L	200.8		0-0		LRB	
	0 LEAD	ND		mg/L	200.8		0-0		LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0		LRB	
	0 SILVER	ND		mg/L	200.8		0-0		LRB	
	0 ZINC	ND		mg/L	200.8		0-0		LRB	
245.1_160408	0 MERCURY	ND		mg/L	245.1		0-0		LRB	
I160407A	0 CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0		LRB	
	0 SULFATE	ND		mg/L	300.0		0-0		LRB	
I160408A	0 CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0		LRB	
	0 SULFATE	ND		mg/L	300.0		0-0		LRB	
OPHOS_160407	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0		LRB	
TPHOS_160411	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0		LRB	
TPHOS_160412	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0		LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_160413B	0 CALCIUM	ND		mg/L	200.7		0-0		MB	
	0 IRON	ND		mg/L	200.7		0-0		MB	
	0 MANGANESE	ND		mg/L	200.7		0-0		MB	
200.8_160413WV	0 ARSENIC	ND		mg/L	200.8		0-0		MB	
	0 BARIUM	ND		mg/L	200.8		0-0		MB	
	0 CADMIUM	ND		mg/L	200.8		0-0		MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		MB	
	0 COPPER	ND		mg/L	200.8		0-0		MB	
	0 LEAD	ND		mg/L	200.8		0-0		MB	
	0 SELENIUM	ND		mg/L	200.8		0-0		MB	
	0 SILVER	ND		mg/L	200.8		0-0		MB	
	0 ZINC	ND		mg/L	200.8		0-0		MB	
8151W_160412	0 2,4 - D	ND		ug/L	8151A		0-0		MB	
	0 2,4 DB	ND		ug/L	8151A		0-0		MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0		MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0		MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0		MB	
	0 BENTAZON	ND		ug/L	8151A		0-0		MB	
	0 DALAPON	ND		ug/L	8151A		0-0		MB	
	0 DICAMBA	ND		ug/L	8151A		0-0		MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0		MB	
	0 DINOSEB	ND		ug/L	8151A		0-0		MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0		MB	
	0 PICLORAM	ND		ug/L	8151A		0-0		MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0		MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0		MB	
	8260W_160411	0 1,1 - DICHLOROETHANE	ND		ug/L	8260C		0-0		MB
0 1,1 - DICHLOROETHYLENE		ND		ug/L	8260C		0-0		MB	TB 16-07437
0 1,1 - DICHLOROPROPENE		ND		ug/L	8260C		0-0		MB	TB 16-07437

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2 - DICHLOROETHANE (ortho)	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2,3 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2,4 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,3 - DICHLOROETHANE (meta)	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 1,4 - DICHLOROETHANE (para)	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 BENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 BROMOBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 BROMOCHLOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 BROMODICHLOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 BROMOFORM	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 BROMOMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 CARBON TETRACHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 CHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 CHLOROFORM	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 CHLOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 DIBROMOMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 ETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 ISOPROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 M,P- XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 METHYLENE CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 N - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 N - PROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 NAPHTHALENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 O - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 O - XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 P - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 SEC - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 STYRENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TERT - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TETRACHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRICHLOROFUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 VINYL CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	1 1,1 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1 - DICHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	
	1 1,1 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	
	1 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,2 - DICHLOROENZENE (ortho)	ND		ug/L	8260C		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	1,2 - DICHLOROETHANE	ND		ug/L	8260C	0-0		MB	
	1,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260C	0-0		MB	
	1,3 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260C	0-0		MB	
	2,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	BENZENE	ND		ug/L	8260C	0-0		MB	
	BROMOBENZENE	ND		ug/L	8260C	0-0		MB	
	BROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	BROMODICHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	BROMOFORM	ND		ug/L	8260C	0-0		MB	
	BROMOMETHANE	ND		ug/L	8260C	0-0		MB	
	CARBON TETRACHLORIDE	ND		ug/L	8260C	0-0		MB	
	CHLOROBENZENE	ND		ug/L	8260C	0-0		MB	
	CHLOROETHANE	ND		ug/L	8260C	0-0		MB	
	CHLOROFORM	ND		ug/L	8260C	0-0		MB	
	CHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C	0-0		MB	
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	
	DIBROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	DIBROMOMETHANE	ND		ug/L	8260C	0-0		MB	
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260C	0-0		MB	
	ETHYLBENZENE	ND		ug/L	8260C	0-0		MB	
	HEXACHLOROBUTADIENE	ND		ug/L	8260C	0-0		MB	
	ISOPROPYLBENZENE	ND		ug/L	8260C	0-0		MB	
	M,P- XYLENE	ND		ug/L	8260C	0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment	
8260W_160411	1 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C		0-0	MB		
	1 METHYLENE CHLORIDE	ND		ug/L	8260C		0-0	MB		
	1 N - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 N - PROPYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 NAPHTHALENE	ND		ug/L	8260C		0-0	MB		
	1 O - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB		
	1 O - XYLENE	ND		ug/L	8260C		0-0	MB		
	1 P - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB		
	1 P - ISOPROPYLTOLUENE	ND		ug/L	8260C		0-0	MB		
	1 SEC - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 STYRENE	ND		ug/L	8260C		0-0	MB		
	1 TERT - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 TETRACHLOROETHYLENE	ND		ug/L	8260C		0-0	MB		
	1 TOLUENE	ND		ug/L	8260C		0-0	MB		
	1 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB		
	1 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB		
	1 TRICHLOROETHENE	ND		ug/L	8260C		0-0	MB		
	1 TRICHLOROFUOROMETHANE	ND		ug/L	8260C		0-0	MB		
	1 VINYL CHLORIDE	ND		ug/L	8260C		0-0	MB		
	2 BENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07713	
	2 ETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07713	
	2 M,P- XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07713	
	2 O - XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07713	
	2 TOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07713	
	OPHOS_160407	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	MB	
	TDS_160407	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
	TPHOS_160411	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	
TPHOS_160412	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
TURB_160407	0 TURBIDITY	ND		NTU	180.1		0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160413B	0 IRON	2.08	2	mg/L	200.7	104	95-105	QCS	
	0 MANGANESE	2.08	2	mg/L	200.7	104	95-105	QCS	
	1 CALCIUM	19.3	20	mg/L	200.7	97	95-105	QCS	
200.8_160413WV	0 ARSENIC	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 BARIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CHROMIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 COPPER	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 LEAD	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 SELENIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SILVER	0.021	0.020	mg/L	200.8	105	90-110	QCS	
	0 ZINC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
245.1_160408	0 MERCURY	0.00260	0.00265	mg/L	245.1	98	90-110	QCS	
COLOR_160407	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
I160407A	0 CHLORIDE	6.1	6	mg/L	300.0	102	90-110	QCS	
	0 FLUORIDE	4.20	4	mg/L	300.0	105	90-110	QCS	
	0 SULFATE	30.4	30	mg/L	300.0	101	90-110	QCS	
I160408A	0 CHLORIDE	6.1	6	mg/L	300.0	102	90-110	QCS	
	0 FLUORIDE	4.19	4	mg/L	300.0	105	90-110	QCS	
	0 SULFATE	30.5	30	mg/L	300.0	102	90-110	QCS	
OPHOS_160407	0 ORTHO-PHOSPHATE	0.49	0.50	mg/L	SM4500-P F	98	90-110	QCS	
TDS_160407	0 TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	80-120	QCS	
TPHOS_160411	0 TOTAL PHOSPHORUS	0.033	0.036	mg/L	SM4500-P F	92	90-110	QCS	
TPHOS_160412	0 TOTAL PHOSPHORUS	0.036	0.036	mg/L	SM4500-P F	100	90-110	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-07437**

Report Date: 04/21/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TURB_160407	o TURBIDITY	1.01	1.00	NTU	180.1	101	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



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

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	
				Result	Result				Qualifier	Type
Duplicate										
200.7_160413B										
	17652	IRON	0.39	0.37		mg/L	5.3	0-20		DUP
	17652	MANGANESE	0.0076	0.0076		mg/L	0.0	0-20		DUP
	17652	CALCIUM	35.2	36.3		mg/L	3.1	0-20		DUP
	18031	IRON	0.44	0.41		mg/L	7.1	0-20		DUP
	18031	MANGANESE	0.015	0.014		mg/L	6.9	0-20		DUP
200.8_160413WW										
	17652	ARSENIC	0.004	0.004		mg/L	0.0	0-20		DUP
	17652	BARIUM	0.038	0.039		mg/L	2.6	0-20		DUP
	17652	CADMIUM	ND	ND		mg/L	NA	0-20		DUP
	17652	CHROMIUM	0.0005	0.0005		mg/L	0.0	0-20		DUP
	17652	COPPER	0.001	0.001		mg/L	0.0	0-20		DUP
	17652	LEAD	0.00012	0.00013		mg/L	8.0	0-20		DUP
	17652	SELENIUM	0.0004	0.0004		mg/L	0.0	0-20		DUP
	17652	SILVER	ND	ND		mg/L	NA	0-20		DUP
	17652	ZINC	0.0015	0.002		mg/L	28.6	0-20	IEV	DUP
	18031	ARSENIC	0.006	0.006		mg/L	0.0	0-20		DUP
	18031	BARIUM	0.004	0.004		mg/L	0.0	0-20		DUP
	18031	CADMIUM	0.0005	0.0005		mg/L	0.0	0-20		DUP
	18031	CHROMIUM	0.075	0.073		mg/L	2.7	0-20		DUP
	18031	COPPER	0.017	0.016		mg/L	6.1	0-20		DUP
	18031	SELENIUM	0.0004	0.00047		mg/L	16.1	0-20		DUP
	18031	SILVER	0.0014	0.0014		mg/L	0.0	0-20		DUP
	18031	ZINC	0.044	0.042		mg/L	4.7	0-20		DUP

245.1_160408

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result	Result				Qualifier	Type	
	16050	MERCURY	ND	ND	ND	mg/L	NA	0-20		DUP	
	17477	MERCURY	ND	ND	ND	mg/L	NA	0-20		DUP	
8151W_160412											
	17650	2,4 - D	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	2,4 DB	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	2,4,5 - TP (SILVEX)	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	2,4,5 T	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	3,5 - DICHLOROBENZOIC ACID	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	ACIFLUORFEN	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	BENTAZON	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	CHLORAMBEN	ND	ND	ND	ug/L		0-35		DUP	
	17650	DALAPON	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	DICAMBA	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	DICHLORPROP	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	DINOSEB	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	PENTACHLOROPHENOL	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	PICLORAM	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	TOTAL DCPA	ND	ND	ND	ug/L	NA	0-35		DUP	
	17650	TRICLOPYR	ND	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160407											
	17230	COLOR	ND	ND	ND	COLOR UN	NA	0-20		DUP	
I160407A											
	17230	CHLORIDE	2.7	2.7	2.7	mg/L	0.0	0-20		DUP	
	17230	FLUORIDE	ND	ND	ND	mg/L	NA	0-20		DUP	
	17230	SULFATE	6.7	6.6	6.6	mg/L	1.5	0-20		DUP	
	17237	CHLORIDE	2.7	2.7	2.7	mg/L	0.0	0-20		DUP	
	17237	FLUORIDE	ND	ND	ND	mg/L	NA	0-20		DUP	
	17237	SULFATE	5.9	5.8	5.8	mg/L	1.7	0-20		DUP	
	17313	CHLORIDE	16.1	16.1	16.1	mg/L	0.0	0-20		DUP	
	17313	FLUORIDE	0.12	0.12	0.12	mg/L	0.0	0-20		DUP	
	17313	SULFATE	16.3	16.3	16.3	mg/L	0.0	0-20		DUP	
	17394	CHLORIDE	18	18	18	mg/L	0.0	0-20		DUP	
	17394	FLUORIDE	0.20	0.19	0.19	mg/L	5.1	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		
				Result					Qualifier	Type	Comments
	17726	CHLORIDE	2.8	2.9		mg/L	3.5	0-20		DUP	
	17726	SULFATE	10.6	10.6		mg/L	0.0	0-20		DUP	
	17731	FLUORIDE	ND	ND		mg/L	NA	0-20		DUP	
NO3NO2_160407											
	17241	NITRATE-N	0.28	0.28		mg/L	0.0	0-20		DUP	
OPHOS_160407											
	17241	ORTHO-PHOSPHATE	0.04	0.04		mg/L	0.0	0-20		DUP	
PH_160407											
	15923	HYDROGEN ION (pH)	6.20	6.22		pH Units	0.3	0-45		DUP	
TDS_160407											
	17243	TOTAL DISSOLVED SOLIDS (TDS)	284	284		mg/L	0.0	0-10		DUP	
TPHOS_160411											
	17241	TOTAL PHOSPHORUS	0.048	0.047		mg/L	2.1	0-20		DUP	
	17242	TOTAL PHOSPHORUS	0.129	0.120		mg/L	7.2	0-20		DUP	
TPHOS_160412											
	17550	TOTAL PHOSPHORUS	0.286	0.298		mg/L	4.1	0-20		DUP	
	17560	TOTAL PHOSPHORUS	0.258	0.231		mg/L	11.0	0-20		DUP	
	17649	TOTAL PHOSPHORUS	0.705	0.700		mg/L	0.7	0-20		DUP	
TURB_160407											
	17151	TURBIDITY	5.09	5.12		NTU	0.6	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7_160413B															
	17652	IRON	0.39	0.38		0.025	mg/L	-40		70-130	NA	0-20	IS		LFM
	17652	MANGANESE	0.0076	0.033		0.025	mg/L	102		70-130	NA	0-20			LFM
	18031	IRON	0.44	0.45		0.025	mg/L	40		70-130	NA	0-20	IS		LFM
	18031	MANGANESE	0.015	0.040		0.025	mg/L	100		70-130	NA	0-20			LFM
200.8_160413WW															
	17652	ARSENIC	0.004	0.028		0.025	mg/L	96		70-130	NA	0-20			LFM
	17652	BARIUM	0.038	0.063		0.025	mg/L	100		70-130	NA	0-20			LFM
	17652	CADMIUM	ND	0.0241		0.025	mg/L	96		70-130	NA	0-20			LFM
	17652	CHROMIUM	0.0005	0.0254		0.025	mg/L	100		70-130	NA	0-20			LFM
	17652	COPPER	0.001	0.0274		0.025	mg/L	106		70-130	NA	0-20			LFM
	17652	LEAD	0.00012	0.0257		0.025	mg/L	102		70-130	NA	0-20			LFM
	17652	SELENIUM	0.0004	0.023		0.025	mg/L	90		70-130	NA	0-20			LFM
	17652	SILVER	ND	0.0128		0.0125	mg/L	102		70-130	NA	0-20			LFM
	17652	ZINC	0.0015	0.024		0.025	mg/L	90		70-130	NA	0-20			LFM
	18031	ARSENIC	0.006	0.0315		0.025	mg/L	102		70-130	NA	0-20			LFM
	18031	BARIUM	0.004	0.032		0.025	mg/L	112		70-130	NA	0-20			LFM
	18031	CADMIUM	0.0005	0.024		0.025	mg/L	94		70-130	NA	0-20			LFM
	18031	CHROMIUM	0.075	0.103		0.025	mg/L	112		70-130	NA	0-20			LFM
	18031	COPPER	0.017	0.042		0.025	mg/L	100		70-130	NA	0-20			LFM
	18031	SELENIUM	0.0004	0.026		0.025	mg/L	102		70-130	NA	0-20			LFM
	18031	SILVER	0.0014	0.014		0.0125	mg/L	101		70-130	NA	0-20			LFM
	18031	ZINC	0.044	0.066		0.025	mg/L	88		70-130	NA	0-20			LFM
245.1_160408															
	16050	MERCURY	ND	0.00101	0.000978	0.00100	mg/L	101	98	70-130	3.2	0-20			LFM
	17477	MERCURY	ND	0.00101	0.00101	0.00100	mg/L	101	101	70-130	0.0	0-20			LFM
8151W_160412															
	17242	2,4 - D	ND	2.1		2	ug/L	105	NA	60-120	NA	0-20			LFM
	17242	2,4 DB	ND	9.7		8	ug/L	121	NA	49-134	NA	0-20			LFM
	17242	2,4,5 - TP (SILVEX)	ND	1.1		1	ug/L	110	NA	68-122	NA	0-20			LFM
	17242	2,4,5 T	ND	0.98		1	ug/L	98	NA	62-128	NA	0-20			LFM
	17242	ACIFLUORFEN	ND	1.1		1	ug/L	110	NA	65-125	NA	0-20			LFM
	17242	BENTAZON	ND	1.9		2	ug/L	95	NA	67-121	NA	0-20			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	17242	DALAPON	ND	14.8		13	ug/L	114	NA	53-421	NA	0-20			LFM
	17242	DICAMBA	ND	1.1		1	ug/L	110	NA	66-126	NA	0-20			LFM
	17242	DICHLORPROP	ND	3.3		3	ug/L	110	NA	63-123	NA	0-20			LFM
	17242	DINOSEB	ND	2.2		2	ug/L	110	NA	73-127	NA	0-20			LFM
	17242	PENTACHLOROPHENOL	ND	1		1	ug/L	100	NA	69-123	NA	0-20			LFM
	17242	PICLORAM	ND	0.86		1	ug/L	86	NA	48-114	NA	0-20			LFM
	17242	TOTAL DCPA	ND	0.81		1	ug/L	81	NA	48-168	NA	0-20			LFM
	17242	TRICLOPYR	ND	1		1	ug/L	100	NA	70-130	NA	0-20			LFM
I160407A															
	17230	CHLORIDE	2.7	3.6		1	mg/L	90	NA	90-110	NA	0-20			LFM
	17230	FLUORIDE	ND	1.08		1	mg/L	108	NA	90-110	NA	0-20			LFM
	17230	SULFATE	6.7	8.6		2	mg/L	95	NA	90-110	NA	0-20			LFM
	17237	CHLORIDE	2.7	3.7		1	mg/L	100	NA	90-110	NA	0-20			LFM
	17237	FLUORIDE	ND	1.10		1	mg/L	110	NA	90-110	NA	0-20			LFM
	17237	SULFATE	5.9	7.8		2	mg/L	95	NA	90-110	NA	0-20			LFM
	17313	CHLORIDE	16.1	16.7		1	mg/L	60	NA	90-110	NA	0-20	IS		LFM
	17313	FLUORIDE	0.12	1.18		1	mg/L	106	NA	90-110	NA	0-20			LFM
	17313	SULFATE	16.3	18.2		2	mg/L	95	NA	90-110	NA	0-20			LFM
	17394	CHLORIDE	18	18.7		1	mg/L	70	NA	90-110	NA	0-20	IS		LFM
	17394	FLUORIDE	0.20	1.25		1	mg/L	105	NA	90-110	NA	0-20			LFM
I160408A															
	17726	CHLORIDE	2.8	3.8		1	mg/L	100	NA	90-110	NA	0-20			LFM
	17726	SULFATE	10.6	12.6		2	mg/L	100	NA	90-110	NA	0-20			LFM
	17731	FLUORIDE	ND	1.08		1	mg/L	108	NA	90-110	NA	0-20			LFM
NO3NO2_160407															
	17241	NITRATE-N	0.28	0.80	0.81	0.5	mg/L	104	106	80-120	1.9	0-20			LFM
OPHOS_160407															
	17241	ORTHO-PHOSPHATE	0.04	1.02	1.01	1.00	mg/L	98	97	70-130	1.0	0-20			LFM
TPHOS_160411															
	17241	TOTAL PHOSPHORUS	0.048	0.092	0.095	0.050	mg/L	88	94	70-130	6.6	0-20			LFM
	17242	TOTAL PHOSPHORUS	0.129	0.179	0.168	0.050	mg/L	100	78	70-130	24.7	0-20	INH		LFM
TPHOS_160412															
	17550	TOTAL PHOSPHORUS	0.286	0.340	0.332	0.050	mg/L	108	92	70-130	16.0	0-20			LFM
	17560	TOTAL PHOSPHORUS	0.258	0.326	0.339	0.050	mg/L	136	162	70-130	17.4	0-20	INH		LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC Qualifier	Type	Comments
				Spike Result	Spike Result			MS	MSD						
	17649	TOTAL PHOSPHORUS	0.705	0.812	0.808	0.100	mg/L	107	103	70-130	3.8	0-20		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 16-07437

Report Date: 04/21/16

Qualifier	Definition
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

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

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

28689



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

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act
City: Milton-Freewe st	City: Milton-Freewe st	<input type="checkbox"/> Clean Water Act	<input type="checkbox"/> RCRA / CERCLA
OR zip: 97862	OR zip: 97862	<input type="checkbox"/> Other	
Attn: Steven Patten	Phone: Steven Patten	FAX: Steven Patten	
Phone: 541.938-2170	FAX: 541.938-2170	Att: Steven Patten	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires: /	
Project: Aquifer Recharge Water and Soil 2016	Card#:		

Analyses Requested

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

Turn Around Time Required

Standard

Half-time (50% surcharge)

Quickest (100% surcharge) Phone Call Req.

Emergency (Phone Call Req.)

Field ID	Location	Grab/ Comp.	Sample Matrix *	Date	Time	8081A - Water	8151	8260	Foaming Agents	Inorganics	Metals	Odor	SM9223B.2b (DW) Quanta-Tray (MPN)
1	FOURCE		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	GLU-70		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	GLU-71		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	GLU-72		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	FOURCE		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	FOURCE ROAD		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	FOURCE ROAD		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	FOURCE ROAD		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	FOURCE ROAD		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	FOURCE ROAD		SRP			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: steven.patten@wwbwc.org

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

Relinquished by: [Signature] Date: 4/6/16 Time: 12:30 Received by: UPS Date: 4-7-16 Time: 9:25

Custody seals intact Yes No N/A

Sample temp 4.2 C satisfactory

Samples received intact

Chain of custody & labels agree

FORM: COC 01-06-2009

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)



ANALYTICAL
Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
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Wiltonville Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street		
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	<input type="checkbox"/> Check Regulatory Program <input type="checkbox"/> Safe Drinking Water Act <input type="checkbox"/> Clean Water Act <input type="checkbox"/> RCRA / CERCLA <input type="checkbox"/> Other	
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> P.O.#: Attn: <input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/> Expires: /	
Phone: 541.938-2170 FAX:	Project: Aquifer Recharge Water and Soil 2016	Card#: <input type="checkbox"/>	
Email: steven.patten@wwbwc.org		Expires: /	

Instructions

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

Turn Around Time Required	
<input checked="" type="checkbox"/> Standard	Half-time (50% surcharge)
<input type="checkbox"/> Quickest (100% surcharge)	Phone Call Req.
<input type="checkbox"/> Emergency (Phone Call Req.)	

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	T. Phos (Particulate)	TRIP BLANK (8260)	Analyses Requested				Number of Containers	Special Instructions Conditions on Receipt	
1	Lockter Pond	6	SW	4/6/16	10:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Lockter Pond	6	SW	4/6/16	9:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Lockter Pond	6	SW	4/6/16	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Lockter Pond	6	SW	4/6/16	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Total Containers														

Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: steven.patten@wwbwc.org

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

Relinquished by: SPATT Date: 4/6/16 Time: 12:30 Received by: WPS Date: 4-7-16 Time: 9:25

Custody seals intact Yes No N/A
 Sample temp 4.2 C satisfactory
 Samples received intact
 Chain of custody & labels agree
WPS



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 7, 2016

Page 1 of 1

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

RE: 16-10884 - Aquifer Recharge Water 2016

Dear Mr. Steve Patten,

Your project: Aquifer Recharge Water 2016, was received on Thursday May 12, 2016.

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

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

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

June 7, 2016

Page 1 of 1

Case Narrative

Reference: **16-10884**

Lab Sample ID	Sample Information	
24774	Locher Road - Intake	
Notes		Created by
Sample Note	Reported to smell of dirt or pond water	ANP



Burlington, WA *Corporate Laboratory (a)*
 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
 Bellingham, WA *Microbiology (b)*
 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802
 Corvallis, OR *Microbiology/Chemistry (d)*
 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR *Microbiology (e)*
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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

Reference Number: **16-10884**
 Project: Aquifer Recharge Water
 2016

Report Date: 6/7/16

Date Received: 5/12/16

Approved by: anp,bj,clc,fm,mvp

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Locher Road - Intake Sample Date: 5/12/16 10:30 am
 Lab Number: 24774 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	5.32	0.10		NTU	1.0	180.1	a	5/12/16	RHF	TURB_160512	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	5/18/16	MMH	245.1_160518	
16887-00-6	CHLORIDE	1.2	0.1	0.0043	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
14808-79-8	SULFATE	2.3	0.2	0.0087	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
NA	BICARBONATE	48.1	5.0		mg CaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CORROSIVITY	-1.4			SI	1.0	SM203	a	5/20/16	mvp	COR_160520	
E-11712	COLOR	12	5		Color Units	1.0	SM2120 B	a	5/12/16	RHF	COLOR_160512	pH: 7.5
E-11734	ODOR	2.13 N1	1		TON	1.0	SM2150	a	5/12/16	RHF	ODOR_160512	Temperature: 40.2
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	80	10		mg/L	1.0	SM2540 C	a	5/12/16	MMH	TDS_160512	
E-10139	HYDROGEN ION (pH)	7.70 H5			pH Units	1.0	SM4500-H+ B	a	5/12/16	RHF	PH_160512	
14797-55-8	NITRATE-N	0.17	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	5/13/16	ANP	NO3NO2_160513	
14265-44-2	ORTHO-PHOSPHATE	0.04	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/12/16	ANP	OPHOS_160512	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/26/16	KF	AMTE5540_160520	Analyzed by Amtest
7440-70-2	CALCIUM	8.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/19/16	BJ	200.7_160519B	
7439-89-6	IRON	0.33	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7439-96-5	MANGANESE	0.008	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7440-38-2	ARSENIC	0.00024 J	0.0005	7.93E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-39-3	BARIUM	0.012	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-43-9	CADMIUM	ND	0.00025	2.08E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-47-3	CHROMIUM	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-50-8	COPPER	0.0009 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7439-92-1	LEAD	0.00013 J	0.0005	5.53E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7782-49-2	SELENIUM	ND	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	

Notes:

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

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

Data Report

7440-22-4	SILVER	ND	0.0002	2.27E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WW2
7440-66-6	ZINC	0.0044	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WW2
	E. Coli	61.6	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512
	TOTAL COLIFORM	1986.3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512
7723-14-0	TOTAL PHOSPHORUS	0.049	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/18/16	ANP	TPHOS_160518

Notes:

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

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

D.F. - Dilution Factor

Data Report

Sample Description: Locher Road - GW_70										Sample Date: 5/12/16 9:50 am		
Lab Number: 24775		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.28	0.10		NTU	1.0	180.1	a	5/12/16	RHF	TURB_160512	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	5/16/16	MMH	245.1_160516	
16887-00-6	CHLORIDE	1.9	0.1	0.0043	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
16984-48-8	FLUORIDE	0.13	0.1	0.0049	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
14808-79-8	SULFATE	3.8	0.2	0.0087	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
NA	BICARBONATE	75.1	5.0		mg CaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CORROSIVITY	-1.5			SI	1.0	SM203	a	5/20/16	mvp	COR_160520	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	5/12/16	RHF	COLOR_160512	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/12/16	RHF	ODOR_160512	Temperature: 40.3
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	121	10		mg/L	1.0	SM2540 C	a	5/12/16	MMH	TDS_160512	
E-10139	HYDROGEN ION (pH)	7.28 H5			pH Units	1.0	SM4500-H+ B	a	5/12/16	RHF	PH_160512	
14797-55-8	NITRATE-N	1.89	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	5/13/16	ANP	NO3NO2_160513	
14265-44-2	ORTHO-PHOSPHATE	0.12	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/12/16	ANP	OPHOS_160512	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/26/16	KF	AMTE5540_160520	Analyzed by Amtest
7440-70-2	CALCIUM	12.8	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/19/16	BJ	200.7_160519B	
7439-89-6	IRON	0.03 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7439-96-5	MANGANESE	0.0004 J	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7440-38-2	ARSENIC	0.0004 J	0.0005	7.93E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-39-3	BARIUM	0.015	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-43-9	CADMIUM	ND	0.00025	2.08E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-47-3	CHROMIUM	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-50-8	COPPER	0.0014 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7439-92-1	LEAD	ND	0.0005	5.53E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7782-49-2	SELENIUM	ND	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-22-4	SILVER	ND	0.0002	2.27E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-66-6	ZINC	0.0012 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512	
	TOTAL COLIFORM	6.2	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512	
7723-14-0	TOTAL PHOSPHORUS	0.151	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/18/16	ANP	TPHOS_160518	

Notes:

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

Data Report

Sample Description: Locher Road - GW_71										Sample Date: 5/12/16 11:05 am		
Lab Number: 24776		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.32	0.10		NTU	1.0	180.1	a	5/12/16	RHF	TURB_160512	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	5/16/16	MMH	245.1_160516	
16887-00-6	CHLORIDE	3.4	0.1	0.0043	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
16984-48-8	FLUORIDE	0.12	0.1	0.0049	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
14808-79-8	SULFATE	23.9	0.2	0.0087	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
NA	BICARBONATE	106	5.0		mg CaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CORROSIVITY	-1.1			SI	1.0	SM203	a	5/20/16	mvp	COR_160520	
E-11712	COLOR	6	5		Color Units	1.0	SM2120 B	a	5/12/16	RHF	COLOR_160512	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/12/16	RHF	ODOR_160512	Temperature: 40.3
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	280	10		mg/L	1.0	SM2540 C	a	5/12/16	MMH	TDS_160512	
E-10139	HYDROGEN ION (pH)	7.08 H5			pH Units	1.0	SM4500-H+ B	a	5/12/16	RHF	PH_160512	
14797-55-8	NITRATE-N	16.7	0.10	0.002	mg/L	10.0	SM4500-NO3 F	a	5/13/16	ANP	NO3NO2_160513	
14265-44-2	ORTHO-PHOSPHATE	0.09	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/12/16	ANP	OPHOS_160512	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/26/16	KF	AMTE5540_160520	Analyzed by Amtest
7440-70-2	CALCIUM	33.8	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/19/16	BJ	200.7_160519B	
7439-89-6	IRON	0.02 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7439-96-5	MANGANESE	ND	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7440-38-2	ARSENIC	0.00029 J	0.0005	7.93E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-39-3	BARIUM	0.051	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-43-9	CADMIUM	ND	0.00025	2.08E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-47-3	CHROMIUM	0.00015 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-50-8	COPPER	0.003	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7439-92-1	LEAD	ND	0.0005	5.53E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7782-49-2	SELENIUM	ND	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-22-4	SILVER	ND	0.0002	2.27E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-66-6	ZINC	0.0016 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512	
	TOTAL COLIFORM	1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512	
7723-14-0	TOTAL PHOSPHORUS	0.101	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/18/16	ANP	TPHOS_160518	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Locher Road - GW_72										Sample Date: 5/12/16 10:15 am		
Lab Number: 24777		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.36	0.10		NTU	1.0	180.1	a	5/12/16	RHF	TURB_160512	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	5/16/16	MMH	245.1_160516	
16887-00-6	CHLORIDE	1.0	0.1	0.0043	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
16984-48-8	FLUORIDE	0.13	0.1	0.0049	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
14808-79-8	SULFATE	3.3	0.2	0.0087	mg/L	1.0	300.0	a	5/13/16	MMH	I160512A	
NA	BICARBONATE	63.7	5.0		mg CaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	5/16/16	ANP	310.2_160516	
NA	CORROSIVITY	-1.7			SI	1.0	SM203	a	5/20/16	mvp	COR_160520	
E-11712	COLOR	7	5		Color Units	1.0	SM2120 B	a	5/12/16	RHF	COLOR_160512	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/12/16	RHF	ODOR_160512	Temperature: 40.3
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	100	10		mg/L	1.0	SM2540 C	a	5/12/16	MMH	TDS_160512	
E-10139	HYDROGEN ION (pH)	7.19 H5			pH Units	1.0	SM4500-H+ B	a	5/12/16	RHF	PH_160512	
14797-55-8	NITRATE-N	1.70	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	5/13/16	ANP	NO3NO2_160513	
14265-44-2	ORTHO-PHOSPHATE	0.10	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/12/16	ANP	OPHOS_160512	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/26/16	KF	AMTE5540_160520	Analyzed by Amtest
7440-70-2	CALCIUM	10.7	0.5	0.009	mg/L	1.0	200.7/3010A	a	5/19/16	BJ	200.7_160519B	
7439-89-6	IRON	0.03 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7439-96-5	MANGANESE	0.0006 J	0.001	0.0002	mg/L	1.0	200.7/3010A	a	5/19/16	BJ		
7440-38-2	ARSENIC	0.0005	0.0005	7.93E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-39-3	BARIUM	0.013	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-43-9	CADMIUM	ND	0.00025	2.08E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-47-3	CHROMIUM	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-50-8	COPPER	0.0016 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7439-92-1	LEAD	ND	0.0005	5.53E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7782-49-2	SELENIUM	ND	0.001	0.00016	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-22-4	SILVER	ND	0.0002	2.27E-05	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
7440-66-6	ZINC	0.0009 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/24/16	MVP	200.8_16052WWW2	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512	
	TOTAL COLIFORM	2.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/13/16	CLH	qt_160512	
7723-14-0	TOTAL PHOSPHORUS	0.135	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/18/16	ANP	TPHOS_160518	

Notes:

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24777
Field ID: Locher Road
Sample Description: GW_72
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3535

Report Date: 6/7/16
Date Analyzed: 5/24/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
 ND - indicates the compound was not detected above the PQL or MDL.
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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24777
Field ID: Locher Road
Sample Description: GW_72
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3510C

Report Date: 6/7/16
Date Analyzed: 5/19/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24777
Field ID: Locher Road
Sample Description: GW_72
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/16/16
Extraction Method: 5030B

Report Date: 6/7/16
Date Analyzed: 5/16/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160516
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24776
Field ID: Locher Road
Sample Description: GW_71
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3535

Report Date: 6/7/16
Date Analyzed: 5/24/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	W
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00	a	W
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00	a	W
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00	a	W
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00	a	W
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	W
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	W
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00	a	W
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	W
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00	a	W
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	W
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00	a	W
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	W
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00	a	W
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00	a	W
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	W
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00	a	W
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	W
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	W
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00	a	W
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	W

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24776
Field ID: Locher Road
Sample Description: GW_71
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3510C

Report Date: 6/7/16
Date Analyzed: 5/19/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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Project: Aquifer Recharge Water 2011

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Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160516
Approved By: pdm,rjk

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24775
Field ID: Locher Road
Sample Description: GW_70
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3535

Report Date: 6/7/16
Date Analyzed: 5/24/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24775
Field ID: Locher Road
Sample Description: GW_70
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3510C

Report Date: 6/7/16
Date Analyzed: 5/19/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24774
Field ID: Locher Road
Sample Description: Intake
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3535

Report Date: 6/7/16
Date Analyzed: 5/24/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24774
Field ID: Locher Road
Sample Description: Intake
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/18/16
Extraction Method: 3510C

Report Date: 6/7/16
Date Analyzed: 5/19/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160518
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-10884**
Project: Aquifer Recharge Water 2011

Lab Number: 24774
Field ID: Locher Road
Sample Description: Intake
Matrix: Water
Sample Date: 5/12/16
Extraction Date: 5/16/16
Extraction Method: 5030B

Report Date: 6/7/16
Date Analyzed: 5/16/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160516
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

Notes:

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

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

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

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.

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

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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

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

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160519B	2 CALCIUM	10.1	11	mg/L	200.7	92	90-110	CAL	
200.8_16052WW	0 ARSENIC	0.00095	0.001	mg/L	200.8	95	80-120	CAL	
	0 BARIUM	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	0 CADMIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 CHROMIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 COPPER	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 LEAD	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 SELENIUM	0.00095	0.001	mg/L	200.8	95	80-120	CAL	
	0 SILVER	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 ZINC	0.00108	0.001	mg/L	200.8	108	80-120	CAL	
245.1_160516	0 MERCURY	0.00199	0.00200	mg/L	245.1	100	95-105	CAL	
	1 MERCURY	0.000190	0.000200	mg/L	245.1	95	95-105	CAL	MRL
245.1_160518	0 MERCURY	0.00199	0.00200	mg/L	245.1	100	95-105	CAL	
	1 MERCURY	0.000202	0.000200	mg/L	245.1	101	95-105	CAL	MRL
I160512A	0 CHLORIDE	1.0	1	mg/L	300.0	100	90-110	CAL	
	0 FLUORIDE	1.03	1	mg/L	300.0	103	90-110	CAL	
	0 SULFATE	2.0	2	mg/L	300.0	100	90-110	CAL	
OPHOS_160512	0 ORTHO-PHOSPHATE	0.96	1.00	mg/L	SM4500-P F	96	85-115	CAL	
pH_160512	0 HYDROGEN ION (pH)	7.99	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
	0 HYDROGEN ION (pH)	8.02	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160518	0 TOTAL PHOSPHORUS	0.105	0.100	mg/L	SM4500-P F	105	85-115	CAL	
TURB_160512	0 TURBIDITY	9.69	10.0	NTU	180.1	97	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160519B	0 CALCIUM	13.2	13	mg/L	200.7	102	85-115	LFB	
200.8_16052WW	0 ARSENIC	0.022	0.025	mg/L	200.8	88	85-115	LFB	
	0 BARIUM	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 CADMIUM	0.023	0.025	mg/L	200.8	92	85-115	LFB	
	0 CHROMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 LEAD	0.023	0.025	mg/L	200.8	92	85-115	LFB	
	0 SELENIUM	0.0213	0.025	mg/L	200.8	85	85-115	LFB	
	0 SILVER	0.0111	0.0125	mg/L	200.8	89	85-115	LFB	
	0 ZINC	0.023	0.025	mg/L	200.8	92	85-115	LFB	
245.1_160516	0 MERCURY	0.00172	0.00167	mg/L	245.1	103	90-110	LFB	
245.1_160518	0 MERCURY	0.00178	0.00167	mg/L	245.1	107	90-110	LFB	
8081B_160518	0 4,4' - DDD	0.42	0.5	ug/L	8081B	84	78-132	LFB	W
	0 4,4' - DDE	0.42	0.5	ug/L	8081B	84	73-127	LFB	W
	0 4,4' - DDT	0.53	0.5	ug/L	8081B	106	56-158	LFB	W
	0 ALDRIN	0.38	0.5	ug/L	8081B	76	68-128	LFB	W
	0 ALPHA-CHLORDANE	0.38	0.5	ug/L	8081B	76	70-130	LFB	W
	0 BHC, ALPHA -	0.44	0.5	ug/L	8081B	88	37-134	LFB	W
	0 BHC, BETA -	0.42	0.5	ug/L	8081B	84	17-147	LFB	W
	0 BHC, DELTA -	0.49	0.5	ug/L	8081B	98	32-127	LFB	W
	0 DIELDRIN	0.4	0.5	ug/L	8081B	80	74-134	LFB	W
	0 ENDOSULFAN I	0.38	0.5	ug/L	8081B	76	67-133	LFB	W
	0 ENDOSULFAN II	0.38	0.5	ug/L	8081B	76	64-142	LFB	W
	0 ENDOSULFAN SULFATE	0.48	0.5	ug/L	8081B	96	71-143	LFB	W
	0 ENDRIN	0.39	0.5	ug/L	8081B	78	30-147	LFB	W
	0 ENDRIN ALDEHYDE	0.39	0.5	ug/L	8081B	78	1-189	LFB	W
	0 ENDRIN KETONE	0.45	0.5	ug/L	8081B	90	70-130	LFB	W
	0 GAMMA-CHLORDANE	0.42	0.5	ug/L	8081B	84	74-124	LFB	W

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8081B_160518	0 HEPTACHLOR	0.4	0.5	ug/L	8081B	80	61-133	LFB		W
	0 HEPTACHLOR EPOXIDE "B"	0.38	0.5	ug/L	8081B	76	73-127	LFB		W
	0 LINDANE (BHC - GAMMA)	0.44	0.5	ug/L	8081B	88	17-140	LFB		W
	0 METHOXYCHLOR	0.4	0.5	ug/L	8081B	80	41-157	LFB		W
8151W_160518	0 2,4 - D	1.7	2	ug/L	8151A	85	60-120	LFB		
	0 2,4 DB	8.6	8	ug/L	8151A	108	49-136	LFB		
	0 2,4,5 - TP (SILVEX)	0.93	1	ug/L	8151A	93	68-122	LFB		
	0 2,4,5 T	0.89	1	ug/L	8151A	89	62-128	LFB		
	0 ACIFLUORFEN	0.46	1	ug/L	8151A	46	65-125	LR	LFB	
	0 BENTAZON	1.8	2	ug/L	8151A	90	67-121	LFB		
	0 DALAPON	11.3	13	ug/L	8151A	87	53-142	LFB		
	0 DICAMBA	0.88	1	ug/L	8151A	88	66-126	LFB		
	0 DICHLORPROP	2.5	3	ug/L	8151A	83	63-123	LFB		
	0 DINOSEB	0.94	2	ug/L	8151A	47	73-127	LR	LFB	
	0 PENTACHLOROPHENOL	0.93	1	ug/L	8151A	93	69-123	LFB		
	0 PICLORAM	0.75	1	ug/L	8151A	75	48-114	LFB		
	0 TOTAL DCPA	0.25	1	ug/L	8151A	25	48-168	LR	LFB	
0 TRICLOPYR	0.74	1	ug/L	8151A	74	70-130	LFB			
8260W_160516	0 1,1 - DICHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 1,1 - DICHLOROETHYLENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 1,1 - DICHLOROPROPENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 1,1,1 - TRICHLOROETHANE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 1,1,1,2 - TETRACHLOROETHANE	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 1,1,2 - TRICHLOROETHANE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 1,1,2,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 1,2 - DICHLOROBENZENE (ortho)	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 1,2 - DICHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 1,2 - DICHLOROPROPANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 1,2,3 - TRICHLOROBENZENE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 1,2,3 - TRICHLOROPROPANE	3.8	4	ug/L	8260C	95	70-130	LFB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True		Method	%	Recovery	Limits*	QC	
			Value	Units					Qualifier	Type
8260W_160516	0 1,2,4 - TRICHLOROBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 1,2,4 - TRIMETHYLBENZENE	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 1,2-DIBROMO-3-CHLOROPROPANE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 1,3 - DICHLOROBENZENE (meta)	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 1,3 - DICHLOROPROPANE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 1,3,5 - TRIMETHYLBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 1,4 - DICHLOROBENZENE (para)	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 2,2 - DICHLOROPROPANE	4.5	4	ug/L	8260C	113	70-130	LFB		
	0 BENZENE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 BROMOBENZENE	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 BROMOCHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 BROMODICHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 BROMOFORM	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 BROMOMETHANE	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 CARBON TETRACHLORIDE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 CHLOROBENZENE	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 CHLOROETHANE	4.6	4	ug/L	8260C	115	70-130	LFB		
	0 CHLOROFORM	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 CHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 CIS - 1,2 - DICHLOROETHENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 CIS - 1,3 - DICHLOROPROPENE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 DIBROMOCHLOROMETHANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 DIBROMOMETHANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 DICHLORODIFLUOROMETHANE	2.8	4	ug/L	8260C	70	70-130	LFB		
	0 ETHYLBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 HEXACHLOROBUTADIENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 ISOPROPYLBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 M,P- XYLENE	7.5	8	ug/L	8260C	94	70-130	LFB		
	0 METHYL TERT-BUTYL ETHER	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 METHYLENE CHLORIDE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 N - BUTYLBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 N - PROPYLBENZENE	3.7	4	ug/L	8260C	93	70-130	LFB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True		Method	%	Recovery	Limits*	QC	
			Value	Units					Qualifier	Type
8260W_160516	0 NAPHTHALENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 O - CHLOROTOLUENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 O - XYLENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 P - CHLOROTOLUENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 P - ISOPROPYLTOLUENE	3.6	4	ug/L	8260C	90	70-130	LFB		
	0 SEC - BUTYLBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 STYRENE	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 TERT - BUTYLBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB		
	0 TETRACHLOROETHYLENE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 TOLUENE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 TRANS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 TRANS - 1,3 - DICHLOROPROPENE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 TRICHLOROETHENE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 TRICHLOROFLUOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 VINYL CHLORIDE	3.8	4	ug/L	8260C	95	70-130	LFB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low-Level Lab Fortified Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8081B_160518	0 4,4' - DDD	0.06	0.05	ug/L	8081B	120	62-158	LLFB	W	
	0 4,4' - DDE	0.054	0.05	ug/L	8081B	108	58-152	LLFB	W	
	0 4,4' - DDT	0.073	0.05	ug/L	8081B	146	45-190	LLFB	W	
	0 ALDRIN	0.047	0.05	ug/L	8081B	94	54-154	LLFB	W	
	0 ALPHA-CHLORDANE	0.045	0.05	ug/L	8081B	90	56-156	LLFB	W	
	0 BHC, ALPHA -	0.064	0.05	ug/L	8081B	128	30-161	LLFB	W	
	0 BHC, BETA -	0.059	0.05	ug/L	8081B	118	14-176	LLFB	W	
	0 BHC, DELTA -	0.07	0.05	ug/L	8081B	140	26-152	LLFB	W	
	0 DIELDRIN	0.054	0.05	ug/L	8081B	108	59-161	LLFB	W	
	0 ENDOSULFAN I	0.055	0.05	ug/L	8081B	110	54-160	LLFB	W	
	0 ENDOSULFAN II	0.057	0.05	ug/L	8081B	114	51-170	LLFB	W	
	0 ENDOSULFAN SULFATE	0.067	0.05	ug/L	8081B	134	57-172	LLFB	W	
	0 ENDRIN	0.056	0.05	ug/L	8081B	112	24-176	LLFB	W	
	0 ENDRIN ALDEHYDE	0.052	0.05	ug/L	8081B	104	1-189	LLFB	W	
	0 ENDRIN KETONE	0.063	0.05	ug/L	8081B	126	56-156	LLFB	W	
	0 GAMMA-CHLORDANE	0.059	0.05	ug/L	8081B	118	59-149	LLFB	W	
	0 HEPTACHLOR	0.059	0.05	ug/L	8081B	118	49-160	LLFB	W	
	0 HEPTACHLOR EPOXIDE "B"	0.054	0.05	ug/L	8081B	108	58-152	LLFB	W	
	0 LINDANE (BHC - GAMMA)	0.065	0.05	ug/L	8081B	130	14-168	LLFB	W	
	0 METHOXYCHLOR	0.091	0.05	ug/L	8081B	182	33-188	LLFB	W	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160519B	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
200.8_16052WW	0 ARSENIC	ND		mg/L	200.8		0-0	LRB	
	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
245.1_160516	0 MERCURY	ND		mg/L	245.1		0-0	LRB	
245.1_160518	0 MERCURY	ND		mg/L	245.1		0-0	LRB	
1160512A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
OPHOS_160512	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160518	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_160519B	0 CALCIUM	ND		mg/L	200.7		0-0		MB	
200.8_16052WW	0 ARSENIC	ND		mg/L	200.8		0-0		MB	
	0 BARIUM	ND		mg/L	200.8		0-0		MB	
	0 CADMIUM	ND		mg/L	200.8		0-0		MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		MB	
	0 COPPER	ND		mg/L	200.8		0-0		MB	
	0 LEAD	ND		mg/L	200.8		0-0		MB	
	0 SELENIUM	ND		mg/L	200.8		0-0		MB	
	0 SILVER	ND		mg/L	200.8		0-0		MB	
	0 ZINC	ND		mg/L	200.8		0-0		MB	
8081B_160518	0 4,4' - DDD	ND		ug/L	8081B		0-0		MB	W
	0 4,4' - DDE	ND		ug/L	8081B		0-0		MB	W
	0 4,4' - DDT	ND		ug/L	8081B		0-0		MB	W
	0 ALDRIN	ND		ug/L	8081B		0-0		MB	W
	0 ALPHA-CHLORDANE	ND		ug/L	8081B		0-0		MB	W
	0 BHC, ALPHA -	ND		ug/L	8081B		0-0		MB	W
	0 BHC, BETA -	ND		ug/L	8081B		0-0		MB	W
	0 BHC, DELTA -	ND		ug/L	8081B		0-0		MB	W
	0 DIELDRIN	ND		ug/L	8081B		0-0		MB	W
	0 ENDOSULFAN I	ND		ug/L	8081B		0-0		MB	W
	0 ENDOSULFAN II	ND		ug/L	8081B		0-0		MB	W
	0 ENDOSULFAN SULFATE	ND		ug/L	8081B		0-0		MB	W
	0 ENDRIN	ND		ug/L	8081B		0-0		MB	W
	0 ENDRIN ALDEHYDE	ND		ug/L	8081B		0-0		MB	W
	0 ENDRIN KETONE	ND		ug/L	8081B		0-0		MB	W
	0 GAMMA-CHLORDANE	ND		ug/L	8081B		0-0		MB	W
	0 HEPTACHLOR	ND		ug/L	8081B		0-0		MB	W
	0 HEPTACHLOR EPOXIDE "B"	ND		ug/L	8081B		0-0		MB	W
	0 LINDANE (BHC - GAMMA)	ND		ug/L	8081B		0-0		MB	W
	0 METHOXYCHLOR	ND		ug/L	8081B		0-0		MB	W

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8081B_160518	0 TOXAPHENE	ND		ug/L	8081B		0-0	MB	W
8151W_160518	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0	MB	
8260W_160516	0 1,1 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-10884
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C		0-0	MB	TB 16-10884

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160516	0 1,3 - DICHLOROENZENE (meta)	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 1,4 - DICHLOROENZENE (para)	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 BENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 BROMOENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 BROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 BROMODICHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 BROMOFORM	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 BROMOMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CARBON TETRACHLORIDE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CHLOROENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CHLOROFORM	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 DIBROMOMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 ETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 ISOPROPYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 M,P- XYLENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 METHYLENE CHLORIDE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 N - BUTYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 N - PROPYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 NAPHTHALENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 O - CHLOROTOLUENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 O - XYLENE	ND		ug/L	8260C	0-0		MB	TB 16-10884

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160516	0 P - CHLOROTOLUENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 SEC - BUTYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 STYRENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TERT - BUTYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TETRACHLOROETHYLENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TOLUENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TRICHLOROETHENE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 TRICHLOROFUOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-10884
	0 VINYL CHLORIDE	ND		ug/L	8260C	0-0		MB	TB 16-10884
OPHOS_160512	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F	0-0		MB	
TDS_160512	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C	0-3		MB	
TPHOS_160518	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F	0-0		MB	
TURB_160512	0 TURBIDITY	ND		NTU	180.1	0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-10884**

Report Date: 06/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160519B	1 CALCIUM	19.2	20	mg/L	200.7	96	95-105	QCS	
200.8_16052WW	0 ARSENIC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 BARIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CADMIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CHROMIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 COPPER	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 LEAD	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SELENIUM	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 SILVER	0.020	0.020	mg/L	200.8	100	90-110	QCS	
	0 ZINC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
245.1_160516	0 MERCURY	0.00274	0.00265	mg/L	245.1	103	90-110	QCS	
245.1_160518	0 MERCURY	0.00268	0.00265	mg/L	245.1	101	90-110	QCS	
COLOR_160512	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
160512A	0 CHLORIDE	5.8	6	mg/L	300.0	97	90-110	QCS	
	0 FLUORIDE	4.03	4	mg/L	300.0	101	90-110	QCS	
	0 SULFATE	30.7	30	mg/L	300.0	102	90-110	QCS	
OPHOS_160512	0 ORTHO-PHOSPHATE	0.46	0.50	mg/L	SM4500-P F	92	90-110	QCS	
TDS_160512	0 TOTAL DISSOLVED SOLIDS (TDS)	500	500	mg/L	SM2540 C	100	80-120	QCS	
TPHOS_160518	0 TOTAL PHOSPHORUS	0.039	0.036	mg/L	SM4500-P F	108	90-110	QCS	
TURB_160512	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



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

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	
				Result					Qualifier	Type
Duplicate										
200.7_160519B										
	24774	CALCIUM	8.2	8.5		mg/L	3.6	0-20		DUP
200.8_16052WW2										
	24774	ARSENIC	0.00024	0.00016		mg/L	40.0	0-20	IEV	DUP
	24774	BARIUM	0.012	0.012		mg/L	0.0	0-20		DUP
	24774	CADMIUM	ND	ND		mg/L	NA	0-20		DUP
	24774	CHROMIUM	ND	ND		mg/L	NA	0-20		DUP
	24774	COPPER	0.0009	0.001		mg/L	10.5	0-20		DUP
	24774	LEAD	0.00013	0.00014		mg/L	7.4	0-20		DUP
	24774	SELENIUM	ND	ND		mg/L	NA	0-20		DUP
	24774	SILVER	ND	ND		mg/L	NA	0-20		DUP
	24774	ZINC	0.0044	0.0023		mg/L	62.7	0-20	INH	DUP
	24979	LEAD	0.012	0.013		mg/L	8.0	0-20		DUP
	25184	ARSENIC	0.58	0.62		ug/L	6.7	0-20		DUP
	25184	BARIUM	4.8	4.9		ug/L	2.1	0-20		DUP
	25184	CADMIUM	0.074	0.04		ug/L	59.6	0-20	IEV	DUP
	25184	CHROMIUM	0.47	0.45		ug/L	4.3	0-20		DUP
	25184	COPPER	20	20		ug/L	0.0	0-20		DUP
	25184	LEAD	0.38	0.38		ug/L	0.0	0-20		DUP
	25184	SELENIUM	0.54	0.57		ug/L	5.4	0-20		DUP
	25184	SILVER	0.04	0.04		ug/L	0.0	0-20		DUP
245.1_160516										
	23551	MERCURY	ND	ND		mg/L	NA	0-20		DUP
	23664	MERCURY	ND	ND		mg/L	NA	0-20		DUP
	24579	MERCURY	ND	ND		mg/L	NA	0-20		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		
			Result	Result				Qualifier	Type	Comments
245.1_160518										
	24792	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
	24989	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
8151W_160518										
	24775	2,4 - D	ND	ND	ug/L	NA	0-35		DUP	
	24775	2,4 DB	ND	ND	ug/L	NA	0-35		DUP	
	24775	2,4,5 - TP (SILVEX)	ND	ND	ug/L	NA	0-35		DUP	
	24775	2,4,5 T	ND	ND	ug/L	NA	0-35		DUP	
	24775	3,5 - DICHLOROBENZOIC ACID	ND	ND	ug/L	NA	0-35		DUP	
	24775	ACIFLUORFEN	ND	ND	ug/L	NA	0-35		DUP	
	24775	BENTAZON	ND	ND	ug/L	NA	0-35		DUP	
	24775	CHLORAMBEN	ND		ug/L		0-35		DUP	
	24775	DALAPON	ND	ND	ug/L	NA	0-35		DUP	
	24775	DICAMBA	ND	ND	ug/L	NA	0-35		DUP	
	24775	DICHLORPROP	ND	ND	ug/L	NA	0-35		DUP	
	24775	DINOSEB	ND	ND	ug/L	NA	0-35		DUP	
	24775	PENTACHLOROPHENOL	ND	ND	ug/L	NA	0-35		DUP	
	24775	PICLORAM	ND	ND	ug/L	NA	0-35		DUP	
	24775	TOTAL DCPA	ND	ND	ug/L	NA	0-35		DUP	
	24775	TRICLOPYR	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160512										
	24774	COLOR	12	12	Color Units	0.0	0-20		DUP	
I160512A										
	24735	FLUORIDE	0.21	0.22	mg/L	4.7	0-20		DUP	
	24775	CHLORIDE	1.9	1.9	mg/L	0.0	0-20		DUP	
	24775	FLUORIDE	0.13	0.14	mg/L	7.4	0-20		DUP	
	24775	SULFATE	3.8	3.9	mg/L	2.6	0-20		DUP	
	24792	CHLORIDE	3.0	3.0	mg/L	0.0	0-20		DUP	
	24792	FLUORIDE	0.66	0.64	mg/L	3.1	0-20		DUP	
	24792	SULFATE	2.3	2.3	mg/L	0.0	0-20		DUP	
	24829	CHLORIDE	1.7	1.7	mg/L	0.0	0-20		DUP	
	24829	FLUORIDE	0.64	0.64	mg/L	0.0	0-20		DUP	
	24829	SULFATE	2.4	2.4	mg/L	0.0	0-20		DUP	
NO3NO2_160513										

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
	24776	NITRATE-N	16.7	15.6		mg/L	6.8	0-20		DUP	
	25182	NITRATE-N	1.25	1.24		mg/L	0.8	0-20		DUP	
OPHOS_160512											
	24777	ORTHO-PHOSPHATE	0.10	0.10		mg/L	0.0	0-20		DUP	
PH_160512											
	24774	HYDROGEN ION (pH)	7.70	7.68		pH Units	0.3	0-45		DUP	
	24960	HYDROGEN ION (pH)	7.54	7.57		pH Units	0.4	0-45		DUP	
TDS_160512											
	23662	TOTAL DISSOLVED SOLIDS (TDS)	13	12		mg/L	8.0	0-10		DUP	
	24775	TOTAL DISSOLVED SOLIDS (TDS)	121	124		mg/L	2.4	0-10		DUP	
TPHOS_160518											
	24776	TOTAL PHOSPHORUS	0.101	0.093		mg/L	8.2	0-20		DUP	
	24777	TOTAL PHOSPHORUS	0.135	0.130		mg/L	3.8	0-20		DUP	
TURB_160512											
	24280	TURBIDITY	0.13	0.12		NTU	8.0	0-20		DUP	
	24622	TURBIDITY	3.80	3.82		NTU	0.5	0-20		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.8_16052WW2															
	24774	ARSENIC	0.00024	0.0241		0.025	mg/L	95		70-130	NA	0-20			LFM
	24774	BARIUM	0.012	0.037		0.025	mg/L	100		70-130	NA	0-20			LFM
	24774	CADMIUM	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	24774	CHROMIUM	ND	0.026		0.025	mg/L	104		70-130	NA	0-20			LFM
	24774	COPPER	0.0009	0.027		0.025	mg/L	104		70-130	NA	0-20			LFM
	24774	LEAD	0.00013	0.025		0.025	mg/L	99		70-130	NA	0-20			LFM
	24774	SELENIUM	ND	0.023		0.025	mg/L	92		70-130	NA	0-20			LFM
	24774	SILVER	ND	0.0126		0.0125	mg/L	101		70-130	NA	0-20			LFM
	24774	ZINC	0.0044	0.031		0.025	mg/L	106		70-130	NA	0-20			LFM
	24979	LEAD	0.012	0.037		0.025	mg/L	100		70-130	NA	0-20			LFM
	25184	ARSENIC	0.58	25.7		25	ug/L	100		70-130	NA	0-20			LFM
	25184	BARIUM	4.8	32		25	ug/L	109		70-130	NA	0-20			LFM
	25184	CADMIUM	0.074	25.7		25	ug/L	103		70-130	NA	0-20			LFM
	25184	CHROMIUM	0.47	27.6		25	ug/L	109		70-130	NA	0-20			LFM
	25184	COPPER	20	49		25	ug/L	116		70-130	NA	0-20			LFM
	25184	LEAD	0.38	26.2		25	ug/L	103		70-130	NA	0-20			LFM
	25184	SELENIUM	0.54	23		25	ug/L	90		70-130	NA	0-20			LFM
	25184	SILVER	0.04	12.9		12.5	ug/L	103		70-130	NA	0-20			LFM
245.1_160516															
	23551	MERCURY	ND	0.00172	0.00172	0.00167	mg/L	103	103	70-130	0.0	0-20			LFM
	23664	MERCURY	ND	0.00175	0.00177	0.00167	mg/L	105	106	70-130	1.1	0-20			LFM
	24579	MERCURY	ND	0.00179	0.00178	0.00167	mg/L	107	107	70-130	0.6	0-20			LFM
245.1_160518															
	24792	MERCURY	ND	0.00171	0.00168	0.00167	mg/L	102	101	70-130	1.8	0-20			LFM
	24989	MERCURY	ND	0.00183	0.00177	0.00167	mg/L	110	106	70-130	3.3	0-20			LFM
8081B_160518															
	24776	4,4' - DDD	ND	0.46	0.44	0.5	ug/L	92	88	78-132	4.4	0-0			LFM
	24776	4,4' - DDE	ND	0.46	0.44	0.5	ug/L	92	88	73-127	4.4	0-0			LFM
	24776	4,4' - DDT	ND	0.58	0.56	0.5	ug/L	116	112	56-158	3.5	0-0			LFM
	24776	ALDRIN	ND	0.43	0.4	0.5	ug/L	86	80	68-128	7.2	0-0			LFM
	24776	ALPHA-CHLORDANE	ND	0.42	0.39	0.5	ug/L	84	78	70-130	7.4	0-0			LFM
	24776	BHC, ALPHA -	ND	0.49	0.46	0.5	ug/L	98	92	37-134	6.3	0-0			LFM

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NA = Indicates %RPD could not be calculated

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

Batch	Sample	Analyte	Result	Duplicate			Units	Percent Recovery			Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result	Spike Conc		MS	MSD	Qualifier				Type		
	24776	BHC, BETA -	ND	0.47	0.43	0.5	ug/L	94	86	17-147	8.9	0-0			LFM	
	24776	BHC, DELTA -	ND	0.53	0.5	0.5	ug/L	106	100	32-127	5.8	0-0			LFM	
	24776	DIELDRIN	ND	0.45	0.43	0.5	ug/L	90	86	74-134	4.5	0-0			LFM	
	24776	ENDOSULFAN I	ND	0.42	0.42	0.5	ug/L	84	84	67-133	0.0	0-0			LFM	
	24776	ENDOSULFAN II	ND	0.41	0.39	0.5	ug/L	82	78	64-142	5.0	0-0			LFM	
	24776	ENDOSULFAN SULFATE	ND	0.53	0.52	0.5	ug/L	106	104	71-143	1.9	0-0			LFM	
	24776	ENDRIN	ND	0.45	0.42	0.5	ug/L	90	84	30-147	6.9	0-0			LFM	
	24776	ENDRIN ALDEHYDE	ND	0.41	0.4	0.5	ug/L	82	80	1-189	2.5	0-0			LFM	
	24776	ENDRIN KETONE	ND	0.49	0.48	0.5	ug/L	98	96	70-130	2.1	0-0			LFM	
	24776	GAMMA-CHLORDANE	ND	0.46	0.43	0.5	ug/L	92	86	74-124	6.7	0-0			LFM	
	24776	HEPTACHLOR	ND	0.45	0.43	0.5	ug/L	90	86	61-133	4.5	0-0			LFM	
	24776	HEPTACHLOR EPOXIDE "B"	ND	0.43	0.42	0.5	ug/L	86	84	73-127	2.4	0-0			LFM	
	24776	LINDANE (BHC - GAMMA)	ND	0.49	0.46	0.5	ug/L	98	92	19-140	6.3	0-0			LFM	
	24776	METHOXYCHLOR	ND	0.45	0.43	0.5	ug/L	90	86	41-157	4.5	0-0			LFM	
8151W_160518																
	24777	2,4 - D	ND	1.8		2	ug/L	90	NA	60-120	NA	0-20			LFM	
	24777	2,4 DB	ND	9.9		8	ug/L	124	NA	49-134	NA	0-20			LFM	
	24777	2,4,5 - TP (SILVEX)	ND	0.94		1	ug/L	94	NA	68-122	NA	0-20			LFM	
	24777	2,4,5 T	ND	0.94		1	ug/L	94	NA	62-128	NA	0-20			LFM	
	24777	ACIFLUORFEN	ND	0.76		1	ug/L	76	NA	65-125	NA	0-20			LFM	
	24777	BENTAZON	ND	1.8		2	ug/L	90	NA	67-121	NA	0-20			LFM	
	24777	DALAPON	ND	15.4		13	ug/L	118	NA	53-421	NA	0-20			LFM	
	24777	DICAMBA	ND	0.94		1	ug/L	94	NA	66-126	NA	0-20			LFM	
	24777	DICHLORPROP	ND	2.7		3	ug/L	90	NA	63-123	NA	0-20			LFM	
	24777	DINOSEB	ND	1.4		2	ug/L	70	NA	73-127	NA	0-20			LFM	
	24777	PENTACHLOROPHENOL	ND	0.95		1	ug/L	95	NA	69-123	NA	0-20			LFM	
	24777	PICLORAM	ND	0.95		1	ug/L	95	NA	48-114	NA	0-20			LFM	
	24777	TOTAL DCPA	ND	0.68		1	ug/L	68	NA	48-168	NA	0-20			LFM	
	24777	TRICLOPYR	ND	0.8		1	ug/L	80	NA	70-130	NA	0-20			LFM	
I160512A																
	24735	FLUORIDE	0.21	1.27		1	mg/L	106	NA	90-110	NA	0-20			LFM	
	24775	CHLORIDE	1.9	2.9		1	mg/L	100	NA	90-110	NA	0-20			LFM	
	24775	FLUORIDE	0.13	1.20		1	mg/L	107	NA	90-110	NA	0-20			LFM	
	24775	SULFATE	3.8	5.8		2	mg/L	100	NA	90-110	NA	0-20			LFM	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	24792	CHLORIDE	3.0	3.9		1	mg/L	90	NA	90-110	NA	0-20		LFM	
	24792	FLUORIDE	0.66	1.66		1	mg/L	100	NA	90-110	NA	0-20		LFM	
	24792	SULFATE	2.3	4.2		2	mg/L	95	NA	90-110	NA	0-20		LFM	
	24829	CHLORIDE	1.7	2.7		1	mg/L	100	NA	90-110	NA	0-20		LFM	
	24829	FLUORIDE	0.64	1.62		1	mg/L	98	NA	90-110	NA	0-20		LFM	
	24829	SULFATE	2.4	4.3		2	mg/L	95	NA	90-110	NA	0-20		LFM	
NO3NO2_160513															
	24776	NITRATE-N	16.7	16.5	16.2	0.50	mg/L	-40	-100	80-120	85.7	0-20	IS	LFM	
	25182	NITRATE-N	1.25	1.80	1.77	0.5	mg/L	110	104	80-120	5.6	0-20		LFM	
OPHOS_160512															
	24777	ORTHO-PHOSPHATE	0.10	1.01	1.03	1.00	mg/L	91	93	70-130	2.2	0-20		LFM	
TPHOS_160518															
	24776	TOTAL PHOSPHORUS	0.101	0.149	0.138	0.050	mg/L	96	74	70-130	25.9	0-20	INH	LFM	
	24777	TOTAL PHOSPHORUS	0.135	0.183	0.182	0.050	mg/L	96	94	70-130	2.1	0-20		LFM	

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 16-10884

Report Date: 06/07/16

Qualifier	Definition
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Matrix bias indicated.
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1	See case narrative.

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

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



EDGE ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Willsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W1 Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street		
City: Milton-Freewe St OR Zip: 97862	City: Milton-Freewe St OR Zip: 97862	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act
Attn: Steven Patten	Phone: FAX:	<input type="checkbox"/> Clean Water Act	<input type="checkbox"/> RCRA / CERCLA
Phone: 541.938-2170 FAX:	P.O.#: Attn:	<input type="checkbox"/> Other	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E Expires /		
Project: Aquifer Recharge Water and Soil 2016	Card#:		

Instructions

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

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	Turn Around Time Required		Analyses Requested						Number of Containers
						Standard <input checked="" type="checkbox"/>	Half-time (50% surcharge) <input type="checkbox"/>	8081A Soil	8081A - Water	8151	8260	Foaming Agents	Inorganics	

1	Locmax Road	ISURFACE	SUS	5/11/16	10:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	Locmax Road	GLS-70	GLS	5/11/16	9:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	Locmax Road	GLS-71	GLS	5/11/16	11:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	Locmax Road	GLS-72	GLS	5/11/16	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5																		
6																		
7																		
8																		
9																		
10																		

MISSING 220'S
OK Per Steven Patten

16-10884
24774-24777



Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: steven.patten@wwbwc.org

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

Relinquished by	Date	Time	Received by	Date	Time
<u>[Signature]</u>	<u>5/11/16</u>	<u>12:00</u>	<u>UPS</u>	<u>5-12-16</u>	<u>0940</u>

Custody seals intact Yes No N/A
 Sample temp 1.6 C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

28018



ANALYTICAL
 Main Lab (800-755-9295)
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 905 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

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

Bill to: Walla Walla Basin Watershed Counc
 Address: 810 South Main Street
 City: Milton-Freewe St. OR zip: 97862
 Phone: FAX:
 P.O.#: Attn:
 VISA M/C A/E Expires /

Project: Aquifer Recharge Water and Soil 2016

For Lab Use Only
 Ref #
 Check Regulatory Program
 Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

Instructions

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

Turn Around Time Required

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

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Odor	SM9223B.2b (DW) Quany- Tray (MPN)	T. Phos (Particulate)	TRIP BLANK (8260)	Number of Containers	Special Instructions Conditions on Receipt
1	Locura Road	6	SW	5/11/16	10:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	Locura Road	6	GW	5/11/16	9:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3	Locura Road	6	GW	5/11/16	11:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	Locura Road	6	GW	5/11/16	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5											
6											
7											
8											
9											
10											

Sampled by: Steven Patten Phone: 541-538-2170 FAX: Same Email: Steven.patten@wwbwc.org

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

Relinquished by: [Signature] Date: 5/11/16 Time: 12:05 Received by: UPS Date: 5.12.16 Time: 0940

Custody seals intact Yes No N/A
 Sample temp. 16 C satisfactory Yes No N/A
 Samples received intact Yes No N/A
 Chain of custody & labels agree Yes No N/A

STILLER POND - WY2016



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 9, 2016

Page 1 of 1

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

RE: 16-02539 - Walla Walla Basin Aquifer Recharge

Dear Mr. Steve Patten,

Your project: Walla Walla Basin Aquifer Recharge, was received on Thursday February 04, 2016.

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

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

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 9, 2016

Page 1 of 1

Case Narrative

Reference: **16-02539**

Lab Sample ID	Sample Information
5988	Mill Creek - Stiller Pond
Analytical Method SM2150	Notes Testers reported odors of pond water, salty-ness and the Ocean.
	Created by RHF



Burlington, WA Corporate Laboratory (a)
 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
 Bellingham, WA Microbiology (b)
 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c)
 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802
 Corvallis, OR Microbiology/Chemistry (d)
 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR Microbiology (e)
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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

Reference Number: **16-02539**
 Project: Walla Walla Basin Aquifer Recharge

Report Date: 3/9/16

Date Received: 2/4/16
 Approved by: anp,bj,ljh,mvp
 Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Mill Creek - Stiller Pond										Sample Date: 2/3/16 11:30 am		
Lab Number: 5988		Sample Comment:								Collected By: Steven Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	4.66	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	2.9	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	2.6	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	-1.79			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11712	COLOR	12	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 7.5
E-11734	ODOR	4 N1	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 41.4
NA	BICARBONATE	36.5	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	91	10		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	7.47 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	0.59 H1	0.010	0.0024	mg/L	1.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	0.65	0.01	0.0028	mg/L	1.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	0.07	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	Analyzed by Amtest
7440-70-2	CALCIUM	8.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	0.40	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	0.005	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	0.00015 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	0.010	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	0.0002 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	0.001 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	0.00014 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	

Notes:

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

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

Data Report

7782-49-2	SELENIUM	0.00033 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW
7440-66-6	ZINC	0.004	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW
7723-14-0	TOTAL PHOSPHORUS	0.081	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/9/16	ANP	TPHOS_160209

Notes:

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

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

D.F. - Dilution Factor

Data Report

Sample Description: GW_136 - Stiller Pond								Sample Date: 2/3/16 11:45 am				
Lab Number: 5989		Sample Comment:						Collected By: Steven Patten				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	12.5	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	4.1	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	0.17	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	5.3	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	-0.41			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11712	COLOR	8	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 41.4
NA	BICARBONATE	137	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	195	10		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	7.66 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	0.78	0.010	0.0024	mg/L	1.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	0.88	0.01	0.0028	mg/L	1.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	0.18	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	
7440-70-2	CALCIUM	33.9	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	1.84	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	0.056	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	0.011	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	0.066	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	0.00093 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	0.0024	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	0.0007	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7782-49-2	SELENIUM	0.0003 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-66-6	ZINC	0.0046	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7723-14-0	TOTAL PHOSPHORUS	0.270	0.050	0.0026	mg/L	5.0	SM4500-P F/SM4500-P B(5)	a	2/9/16	ANP	TPHOS_160209	

Notes:

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

Data Report

Sample Description: GW-145 - Stiller Pond										Sample Date: 2/3/16 12:45 pm		
Lab Number: 5990		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.40	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	21	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	0.21	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	24.2	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	-0.42			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11712	COLOR	5	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 41.2
NA	BICARBONATE	188	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	321	10		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	7.40 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	4.12	0.010	0.0024	mg/L	1.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	4.70	0.01	0.0028	mg/L	1.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	0.13	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	
7440-70-2	CALCIUM	47.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	0.21	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	0.005	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	0.0019	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	0.058	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	0.0003 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	0.0013 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7782-49-2	SELENIUM	0.0008 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-66-6	ZINC	0.0013 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7723-14-0	TOTAL PHOSPHORUS	0.149	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/9/16	ANP	TPHOS_160209	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: GW-146 - Stiller Pond										Sample Date: 2/3/16 9:50 am		
Lab Number: 5991		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	2.01	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	32.8	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	0.24	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	40.3	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	-0.3			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 41.2
NA	BICARBONATE	231	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	448	10		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	7.39 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	10.68 H1	0.10	0.0024	mg/L	10.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	10.8	0.10	0.0028	mg/L	10.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	0.10	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	
7440-70-2	CALCIUM	53.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	0.15	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	0.002	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	0.0018	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	0.077	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	0.0008 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	0.0013 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7782-49-2	SELENIUM	0.00085 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-66-6	ZINC	0.0013 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7723-14-0	TOTAL PHOSPHORUS	0.109	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/9/16	ANP	TPHOS_160209	

Notes:

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

Data Report

Sample Description: GW-147 - Stiller Pond										Sample Date: 2/3/16 1:20 pm		
Lab Number: 5992		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.89	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	25	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	0.15	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	19.3	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	-0.74			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 40.8
NA	BICARBONATE	131	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	283	10		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	7.32 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	4.54	0.010	0.0024	mg/L	1.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	5.04	0.05	0.0028	mg/L	5.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	0.18	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	
7440-70-2	CALCIUM	38.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	0.15	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	0.002	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	0.004	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	0.036	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	0.0005 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	0.0012 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7782-49-2	SELENIUM	0.0008 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-66-6	ZINC	0.008	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7723-14-0	TOTAL PHOSPHORUS	0.168	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/12/16	ANP	TPHOS_160212	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Field Dup										Sample Date: 2/3/16 10:10 am		
Lab Number: 5993		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	10.6	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	32.4	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	0.24	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	39.2	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	-0.33			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11712	COLOR	15	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 40.8
NA	BICARBONATE	232	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	446	10		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	7.37 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	9.44 H1	0.10	0.0024	mg/L	10.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	10.9	0.10	0.0028	mg/L	10.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	0.11	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	
7440-70-2	CALCIUM	52.5	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	0.82	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	0.010	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	0.0017	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	0.078	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	0.001	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	0.0017 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7782-49-2	SELENIUM	0.0009 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-66-6	ZINC	0.002 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7723-14-0	TOTAL PHOSPHORUS	0.104	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/12/16	ANP	TPHOS_160212	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Field Blank										Sample Date: 2/3/16 10:40 am		
Lab Number: 5994		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.53	0.10		NTU	1.0	180.1	a	2/4/16	RHF	TURB_160204	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	2/16/16	MMH	245.1_160216	
16887-00-6	CHLORIDE	ND	0.1	0.0043	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
14808-79-8	SULFATE	ND	0.2	0.0087	mg/L	1.0	300.0	a	2/5/16	MMH	I160204A	
NA	CORROSIVITY	NA			SI	1.0	SM203	a	2/18/16	MVP	cor_160218	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	2/4/16	RHF	COLOR_160204	pH: 5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	2/4/16	RHF	ODOR_160204	Temperature: 40.8
NA	BICARBONATE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/9/16	MVP	ALK_160208A	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	2	2		mg/L	1.0	SM2540 C	a	2/9/16	MMH	TDS_160209	
E-10139	HYDROGEN ION (pH)	6.71 H5			pH Units	1.0	SM4500-H+ B	a	2/4/16	RHF	PH_160204	
14797-55-8	NITRATE-N	0.04 H1	0.010	0.0024	mg/L	1.0	SM4500-NO3 F	a	2/5/16	BJ	NO3NO2_160205	
E-10128	TOTAL NITRATE/NITRITE	0.01	0.01	0.0028	mg/L	1.0	SM4500-NO3 F	a	2/18/16	ANP	NO3NO2_160218	
14265-44-2	ORTHO-PHOSPHATE	ND	0.01	0.0023	mg/L	1.0	SM4500-P F	a	2/5/16	BJ	OPHOS_160205	
NA	SURFACTANTS	ND	0.025	0.025	mg/L	1.0	SM5540 C		2/6/16	KF	AMTE420_160206	
7440-70-2	CALCIUM	0.02 J	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-89-6	IRON	ND	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7439-96-5	MANGANESE	ND	0.001	0.0002	mg/L	1.0	200.7/3010A	a	2/9/16	BJ	200.7_160209B	
7440-38-2	ARSENIC	ND	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-39-3	BARIUM	ND	0.001	0.00014	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-50-8	COPPER	ND	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7440-66-6	ZINC	ND	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	2/9/16	MVP	200.8_160209WW	
7723-14-0	TOTAL PHOSPHORUS	ND	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/12/16	ANP	TPHOS_160212	

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 D.F. - Dilution Factor



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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05994
Field ID: Field Blank
Sample Description: Field Blank
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	W
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	W
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	W
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	W
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	W
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	W
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	W
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	W
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	W
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	W
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	W
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	W
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	W
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	W
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	W
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	W
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	W
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	W
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	W
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	W
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05994
Field ID: Field Blank
Sample Description: Field Blank
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05994
Field ID: Field Blank
Sample Description: Field Blank
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
Date Analyzed: 2/8/16
Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05993
Field ID: Field Dup
Sample Description: Field Dup
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	W
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	W
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	W
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	W
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	W
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	W
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	W
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	W
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	W
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	W
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	W
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	W
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	W
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	W
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	W
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	W
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	W
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	W
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	W
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	W
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	W

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05993
Field ID: Field Dup
Sample Description: Field Dup
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	1.1		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

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DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05993
Field ID: Field Dup
Sample Description: Field Dup
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
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Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

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108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05992
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05992
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05992
Field ID: GW-147
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
Date Analyzed: 2/8/16
Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

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56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05991
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05991
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	0.98		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05991
Field ID: GW-146
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
Date Analyzed: 2/8/16
Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05990
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05990
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

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DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05990
Field ID: GW-145
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
Date Analyzed: 2/8/16
Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05989
Field ID: GW_136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05989
Field ID: GW_136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05989
Field ID: GW_136
Sample Description: Stiller Pond
Matrix: Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
Date Analyzed: 2/8/16
Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

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108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05988
Field ID: Mill Creek
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 2/3/16
Extraction Date: 2/10/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_W160210
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	0.5	1	0.5	1.00	a	

Notes:

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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05988
Field ID: Mill Creek
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 2/3/16
Extraction Date: 2/9/16
Extraction Method: 3510C

Report Date: 3/9/16
Date Analyzed: 2/10/16
Analyst: RJK
Analytical Method: 8151A
Batch: 8151W_160209
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.15	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.02	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.05	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.22	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.04	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.03	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.77	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.03	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.05	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.13	1.00	a	
94-74-6	MCPA	ND		ug/L	0.1	0.1	0.03	1.00	a	
7085-19-0	MCPP	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.05	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.03	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2		1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.04	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.03	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-02539**
Project: Walla Walla Basin Aquifer Re

Lab Number: 05988
Field ID: Mill Creek
Sample Description: Stiller Pond
Matrix: Surface Water
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 5030B

Report Date: 3/9/16
Date Analyzed: 2/8/16
Analyst: RJK
Analytical Method: 8260C
Batch: 8260W_160208
Approved By: co,hy,pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR Microbiology (e)
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Reference Number: **16-02539**

System ID
System Name:
Sampler Phone:
FAX/Email: steven.patten@wwbwc.org

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

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

ORLAP #: **C874**
 Sampled By: **Steven Patten**
 Method: **SM9221 E**
 Date Analyzed: **2/05/16 09:44**
 Sample Purpose: **Investigative or Other**
 Analyst:

Date/Time Collected: 2/3/16 11:30 am	Sample Type:	Field ID: Mill Creek			
Sample Location: Stiller Pond	Lab Sample #: 16_05988				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	37.3				b
TOTAL COLIFORM	721.5				b

Date/Time Collected: 2/3/16 11:45 am	Sample Type:	Field ID: GW_136			
Sample Location: Stiller Pond	Lab Sample #: 16_05989				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	<1				b
TOTAL COLIFORM	<1				b

Date/Time Collected: 2/3/16 12:45 pm	Sample Type:	Field ID: GW-145			
Sample Location: Stiller Pond	Lab Sample #: 16_05990				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	<1				b
TOTAL COLIFORM	1				b

Date/Time Collected: 2/3/16 09:50 am	Sample Type:	Field ID: GW-146			
Sample Location: Stiller Pond	Lab Sample #: 16_05991				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	<1				b
TOTAL COLIFORM	<1				b

Date/Time Collected: 2/3/16 01:20 pm	Sample Type:	Field ID: GW-147			
Sample Location: Stiller Pond	Lab Sample #: 16_05992				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	<1				b
TOTAL COLIFORM	<1				b

Date/Time Collected: 2/3/16 10:10 am	Sample Type:	Field ID: Field Dup			
Sample Location: Field Dup	Lab Sample #: 16_05993				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	<1				b
TOTAL COLIFORM	1				b

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample.
 If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.
 Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP unless otherwise noted. This report shall not be reproduced, except in full, and with written consent of this laboratory. Estimates of uncertainty are not included in this report. If this information is required please contact us at the phone number listed in the report header.



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Reference Number: **16-02539**

System ID
System Name:
Sampler Phone:
FAX/Email: steven.patten@wwbwc.org

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

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

ORLAP #: **C874**
 Sampled By: **Steven Patten**
 Method: **SM9221 E**
 Date Analyzed: **2/05/16 09:46**
 Sample Purpose: **Investigative or Other**
 Analyst:

Date/Time Collected: 2/3/16 10:40 am	Sample Type:	Field ID: Field Blank			
Sample Location: Field Blank	Lab Sample #: 16_05994				
PARAMETER	RESULT	CI2 Residual	Original Sample Date	Repeat Sample Number	Lab

E. Coli	<1				b
TOTAL COLIFORM	<1				b

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample. If E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160209B	2 CALCIUM	10.6	11	mg/L	200.7	96	90-110	CAL	
	2 IRON	1	1	mg/L	200.7	100	90-110	CAL	
	2 MANGANESE	1.01	1	mg/L	200.7	101	90-110	CAL	
200.8_160209VV	0 ARSENIC	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	0 BARIUM	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 CADMIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 CHROMIUM	0.00105	0.001	mg/L	200.8	105	80-120	CAL	
	0 COPPER	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	0 LEAD	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 SELENIUM	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	0 SILVER	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 ZINC	0.0011	0.001	mg/L	200.8	110	80-120	CAL	
245.1_160216	0 MERCURY	0.00208	0.00200	mg/L	245.1	104	95-105	CAL	
	1 MERCURY	0.000226	0.000200	mg/L	245.1	113	95-105	CAL	MRL
1160204A	0 CHLORIDE	1	1	mg/L	300.0	100	90-110	CAL	
	0 FLUORIDE	0.96	1	mg/L	300.0	96	90-110	CAL	
	0 SULFATE	1.9	2	mg/L	300.0	95	90-110	CAL	
NO3NO2_160201	0 NITRATE-N	1.22	1.25	mg/L	SM4500-NO3 F	98	90-110	CAL	
NO3NO2_160211	0 TOTAL NITRATE/NITRITE	2.42	2.50	mg/L	SM4500-NO3 F	97	90-110	CAL	
OPHOS_160205	0 ORTHO-PHOSPHATE	0.955	1.00	mg/L	SM4500-P F	96	85-115	CAL	
pH_160204	0 HYDROGEN ION (pH)	7.97	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
	0 HYDROGEN ION (pH)	7.99	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160209	0 TOTAL PHOSPHORUS	0.108	0.100	mg/L	SM4500-P F	108	85-115	CAL	
TPHOS_160212	0 TOTAL PHOSPHORUS	0.105	0.100	mg/L	SM4500-P F	105	85-115	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Calibration Check

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TURB_160204	o TURBIDITY	9.81	10.0	NTU	180.1	98	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160209B	0 CALCIUM	13	13	mg/L	200.7	100	85-115	LFB	
	0 IRON	0.5	0.5	mg/L	200.7	100	85-115	LFB	
	0 MANGANESE	0.52	0.5	mg/L	200.7	104	85-115	LFB	
200.8_160209VV	0 ARSENIC	0.48	0.500	mg/L	200.8	96	85-115	LFB	
	0 BARIUM	0.53	0.500	mg/L	200.8	106	85-115	LFB	
	0 CADMIUM	0.482	0.500	mg/L	200.8	96	85-115	LFB	
	0 CHROMIUM	0.532	0.500	mg/L	200.8	106	85-115	LFB	
	0 COPPER	0.526	0.500	mg/L	200.8	105	85-115	LFB	
	0 LEAD	0.538	0.500	mg/L	200.8	108	85-115	LFB	
	0 SELENIUM	0.43	0.500	mg/L	200.8	86	85-115	LFB	
	0 SILVER	0.263	0.250	mg/L	200.8	105	85-115	LFB	
	0 ZINC	0.458	0.500	mg/L	200.8	92	85-115	LFB	
245.1_160216	0 MERCURY	0.00169	0.00167	mg/L	245.1	101	90-110	LFB	
8151W_160209	0 2,4 - D	2	2	ug/L	8151A	100	60-120	LFB	
	0 2,4 DB	4	8	ug/L	8151A	50	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	0.97	1	ug/L	8151A	97	68-122	LFB	
	0 2,4,5 T	0.95	1	ug/L	8151A	95	62-128	LFB	
	0 ACIFLUORFEN	0.97	1	ug/L	8151A	97	65-125	LFB	
	0 BENTAZON	2	2	ug/L	8151A	100	67-121	LFB	
	0 DALAPON	12.6	13	ug/L	8151A	97	53-142	LFB	
	0 DICAMBA	0.95	1	ug/L	8151A	95	66-126	LFB	
	0 DICHLORPROP	2.9	3	ug/L	8151A	97	63-123	LFB	
	0 DINOSEB	2.1	2	ug/L	8151A	105	73-127	LFB	
	0 MCPA	0.86	1	ug/L	8151A	86	49-121	LFB	
	0 MCPP	0.81	1	ug/L	8151A	81	48-126	LFB	
	0 PENTACHLOROPHENOL	0.96	1	ug/L	8151A	96	69-123	LFB	
	0 PICLORAM	0.96	1	ug/L	8151A	96	48-114	LFB	
	0 TOTAL DCPA	0.97	1	ug/L	8151A	97	48-168	LFB	
	0 TRICLOPYR	0.9	1	ug/L	8151A	90	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_160208	0 1,1 - DICHLOROETHANE	3.7	4	ug/L	8260B	93	80-120			LFB
	0 1,1 - DICHLOROETHYLENE	3.3	4	ug/L	8260B	83	80-120			LFB
	0 1,1 - DICHLOROPROPENE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 1,1,1 - TRICHLOROETHANE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260B	98	80-120			LFB
	0 1,1,2 - TRICHLOROETHANE	4.3	4	ug/L	8260B	108	80-120			LFB
	0 1,1,2,2 - TETRACHLOROETHANE	4.0	4	ug/L	8260B	100	80-120			LFB
	0 1,2 - DICHLOROBENZENE (ortho)	3.9	4	ug/L	8260B	98	80-120			LFB
	0 1,2 - DICHLOROETHANE	4.1	4	ug/L	8260B	103	80-120			LFB
	0 1,2 - DICHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120			LFB
	0 1,2,3 - TRICHLOROBENZENE	4.0	4	ug/L	8260B	100	80-120			LFB
	0 1,2,3 - TRICHLOROPROPANE	4.0	4	ug/L	8260B	100	80-120			LFB
	0 1,2,4 - TRICHLOROBENZENE	3.9	4	ug/L	8260B	98	80-120			LFB
	0 1,2,4 - TRIMETHYLBENZENE	3.5	4	ug/L	8260B	88	80-120			LFB
	0 1,2-DIBROMO-3-CHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120			LFB
	0 1,3 - DICHLOROBENZENE (meta)	3.8	4	ug/L	8260B	95	80-120			LFB
	0 1,3 - DICHLOROPROPANE	4.0	4	ug/L	8260B	100	80-120			LFB
	0 1,3,5 - TRIMETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120			LFB
	0 1,4 - DICHLOROBENZENE (para)	3.8	4	ug/L	8260B	95	80-120			LFB
	0 2,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120			LFB
	0 BENZENE	3.7	4	ug/L	8260B	93	80-120			LFB
	0 BROMOBENZENE	3.9	4	ug/L	8260B	98	80-120			LFB
	0 BROMOCHLOROMETHANE	4.4	4	ug/L	8260B	110	80-120			LFB
	0 BROMODICHLOROMETHANE	3.8	4	ug/L	8260B	95	80-120			LFB
	0 BROMOFORM	3.8	4	ug/L	8260B	95	80-120			LFB
	0 BROMOMETHANE	3.7	4	ug/L	8260B	93	80-120			LFB
	0 CARBON TETRACHLORIDE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 CHLOROBENZENE	3.7	4	ug/L	8260B	93	80-120			LFB
	0 CHLOROETHANE	3.8	4	ug/L	8260B	95	80-120			LFB
	0 CHLOROFORM	3.8	4	ug/L	8260B	95	80-120			LFB
	0 CHLOROMETHANE	3.1	4	ug/L	8260B	78	80-120	L2		LFB

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC	Comment
8260W_160208	0 CIS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120			LFB
	0 CIS - 1,3 - DICHLOROPROPENE	4.2	4	ug/L	8260B	105	80-120			LFB
	0 DIBROMOCHLOROMETHANE	4.1	4	ug/L	8260B	103	80-120			LFB
	0 DIBROMOMETHANE	4.1	4	ug/L	8260B	103	80-120			LFB
	0 DICHLORODIFLUOROMETHANE	2.4	4	ug/L	8260B	60	80-120	L2		LFB
	0 ETHYLBENZENE	3.4	4	ug/L	8260B	85	80-120			LFB
	0 HEXACHLOROBUTADIENE	3.4	4	ug/L	8260B	85	80-120			LFB
	0 ISOPROPYLBENZENE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 M,P- XYLENE	6.8	8	ug/L	8260B	85	80-120			LFB
	0 METHYL TERT-BUTYL ETHER	4.3	4	ug/L	8260B	108	80-120			LFB
	0 METHYLENE CHLORIDE	3.9	4	ug/L	8260B	98	80-120			LFB
	0 N - BUTYLBENZENE	3.3	4	ug/L	8260B	83	80-120			LFB
	0 N - PROPYLBENZENE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 NAPHTHALENE	4.0	4	ug/L	8260B	100	80-120			LFB
	0 O - CHLOROTOLUENE	3.6	4	ug/L	8260B	90	80-120			LFB
	0 O - XYLENE	3.5	4	ug/L	8260B	88	80-120			LFB
	0 P - CHLOROTOLUENE	3.8	4	ug/L	8260B	95	80-120			LFB
	0 P - ISOPROPYLTOLUENE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 SEC - BUTYLBENZENE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 STYRENE	3.7	4	ug/L	8260B	93	80-120			LFB
	0 TERT - BUTYLBENZENE	3.2	4	ug/L	8260B	80	80-120			LFB
	0 TETRACHLOROETHYLENE	3.3	4	ug/L	8260B	83	80-120			LFB
	0 TOLUENE	3.7	4	ug/L	8260B	93	80-120			LFB
	0 TRANS - 1,2 - DICHLOROETHENE	3.5	4	ug/L	8260B	88	80-120			LFB
	0 TRANS - 1,3 - DICHLOROPROPENE	4.1	4	ug/L	8260B	103	80-120			LFB
0 TRICHLOROETHENE	3.5	4	ug/L	8260B	88	80-120			LFB	
0 TRICHLOROFLUOROMETHANE	3.2	4	ug/L	8260B	80	80-120			LFB	
0 VINYL CHLORIDE	3.0	4	ug/L	8260B	75	80-120	L2		LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160209B	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
	0 IRON	ND		mg/L	200.7		0-0	LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_160209VV	0 ARSENIC	ND		mg/L	200.8		0-0	LRB	
	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
245.1_160216	0 MERCURY	ND		mg/L	245.1		0-0	LRB	
I160204A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
NO3NO2_160205	0 NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0	LRB	
NO3NO2_160216	0 TOTAL NITRATE/NITRITE	ND		mg/L	SM4500-NO3 F		0-0	LRB	
OPHOS_160205	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160209	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160212	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160209B	0 CALCIUM	ND		mg/L	200.7		0-0	MB	
	0 IRON	ND		mg/L	200.7		0-0	MB	
	0 MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_160209WV	0 ARSENIC	ND		mg/L	200.8		0-0	MB	
	0 BARIUM	ND		mg/L	200.8		0-0	MB	
	0 CADMIUM	ND		mg/L	200.8		0-0	MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	MB	
	0 COPPER	ND		mg/L	200.8		0-0	MB	
	0 LEAD	ND		mg/L	200.8		0-0	MB	
	0 SELENIUM	ND		mg/L	200.8		0-0	MB	
	0 SILVER	ND		mg/L	200.8		0-0	MB	
	0 ZINC	ND		mg/L	200.8		0-0	MB	
8151W_160209	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 MCPA	ND		ug/L	8151A		0-0	MB	
	0 MCPP	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
0 TRICLOPYR	ND		ug/L	8151A		0-0	MB		
8260W_160208	0 1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_160208	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B		0-0		MB	
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260B		0-0		MB	
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B		0-0		MB	
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0		MB	
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B		0-0		MB	
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B		0-0		MB	
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B		0-0		MB	
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260B		0-0		MB	
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0		MB	
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0		MB	
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B		0-0		MB	
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B		0-0		MB	
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B		0-0		MB	
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B		0-0		MB	
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260B		0-0		MB	
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B		0-0		MB	
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260B		0-0		MB	
	0 BENZENE	ND		ug/L	8260B		0-0		MB	
	0 BROMOBENZENE	ND		ug/L	8260B		0-0		MB	
	0 BROMOCHLOROMETHANE	ND		ug/L	8260B		0-0		MB	
	0 BROMODICHLOROMETHANE	ND		ug/L	8260B		0-0		MB	
	0 BROMOFORM	ND		ug/L	8260B		0-0		MB	
	0 BROMOMETHANE	ND		ug/L	8260B		0-0		MB	
	0 CARBON TETRACHLORIDE	ND		ug/L	8260B		0-0		MB	
	0 CHLOROBENZENE	ND		ug/L	8260B		0-0		MB	
	0 CHLOROETHANE	ND		ug/L	8260B		0-0		MB	
	0 CHLOROFORM	ND		ug/L	8260B		0-0		MB	
	0 CHLOROMETHANE	ND		ug/L	8260B		0-0		MB	
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0		MB	
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_160208	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0		MB	
	0 DIBROMOMETHANE	ND		ug/L	8260B		0-0		MB	
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0		MB	
	0 ETHYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0		MB	
	0 ISOPROPYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 M,P- XYLENE	ND		ug/L	8260B		0-0		MB	
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0		MB	
	0 METHYLENE CHLORIDE	ND		ug/L	8260B		0-0		MB	
	0 N - BUTYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 N - PROPYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 NAPHTHALENE	ND		ug/L	8260B		0-0		MB	
	0 O - CHLOROTOLUENE	ND		ug/L	8260B		0-0		MB	
	0 O - XYLENE	ND		ug/L	8260B		0-0		MB	
	0 P - CHLOROTOLUENE	ND		ug/L	8260B		0-0		MB	
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0-0		MB	
	0 SEC - BUTYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 STYRENE	ND		ug/L	8260B		0-0		MB	
	0 TERT - BUTYLBENZENE	ND		ug/L	8260B		0-0		MB	
	0 TETRACHLOROETHYLENE	ND		ug/L	8260B		0-0		MB	
0 TOLUENE	ND		ug/L	8260B		0-0		MB		
0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0		MB		
0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0		MB		
0 TRICHLOROETHENE	ND		ug/L	8260B		0-0		MB		
0 TRICHLOROFLUOROMETHANE	ND		ug/L	8260B		0-0		MB		
0 VINYL CHLORIDE	ND		ug/L	8260B		0-0		MB		
NO3NO2_160208	0 NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
NO3NO2_160218	0 TOTAL NITRATE/NITRITE	ND		mg/L	SM4500-NO3 F		0-0		MB	
OPHOS_160205	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Method Blank

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
tds_160209	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
TPHOS_160209	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	
TPHOS_160212	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	
TURB_160204	0 TURBIDITY	ND		NTU	180.1		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-02539**

Report Date: 03/09/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160209B	0 IRON	2.04	2	mg/L	200.7	102	95-105	QCS	
	0 MANGANESE	2.01	2	mg/L	200.7	101	95-105	QCS	
	1 CALCIUM	19.6	20	mg/L	200.7	98	95-105	QCS	
200.8_160209VV	0 ARSENIC	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 BARIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CADMIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CHROMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 COPPER	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 LEAD	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SELENIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SILVER	0.020	0.020	mg/L	200.8	100	90-110	QCS	
	0 ZINC	0.042	0.040	mg/L	200.8	105	90-110	QCS	
245.1_160216	0 MERCURY	0.00266	0.00265	mg/L	245.1	100	90-110	QCS	
COLOR_160204	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
I160204A	0 CHLORIDE	5.9	6	mg/L	300.0	98	90-110	QCS	
	0 FLUORIDE	3.92	4	mg/L	300.0	98	90-110	QCS	
	0 SULFATE	29.5	30	mg/L	300.0	98	90-110	QCS	
NO3NO2_160216	0 TOTAL NITRATE/NITRITE	0.90	1.0	mg/L	SM4500-NO3 F	90	90-110	QCS	
OPHOS_160205	0 ORTHO-PHOSPHATE	0.451	0.49	mg/L	SM4500-P F	92	90-110	QCS	
tds_160209	0 TOTAL DISSOLVED SOLIDS (TDS)	502	500	mg/L	SM2540 C	100	80-120	QCS	
TPHOS_160209	0 TOTAL PHOSPHORUS	0.033	0.036	mg/L	SM4500-P F	92	90-110	QCS	
TPHOS_160212	0 TOTAL PHOSPHORUS	0.039	0.036	mg/L	SM4500-P F	108	90-110	QCS	
TURB_160204	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-02539**

Report Date: 03/09/16

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

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
Duplicate											
200.7_160209B											
	5928	CALCIUM	41.0	41.3		mg/L	0.7	0-20			DUP
	5928	IRON	0.11	0.12		mg/L	8.7	0-20			DUP
	5991	IRON	0.15	0.14		mg/L	6.9	0-20			DUP
	5991	MANGANESE	0.002	0.002		mg/L	0.0	0-20			DUP
	5991	CALCIUM	53.1	53.4		mg/L	0.6	0-20			DUP
200.8_160209WW											
	5991	ARSENIC	0.0018	0.0018		mg/L	0.0	0-20			DUP
	5991	BARIUM	0.077	0.078		mg/L	1.3	0-20			DUP
	5991	CADMIUM	ND	ND		mg/L	NA	0-20			DUP
	5991	CHROMIUM	0.0008	0.0009		mg/L	11.8	0-20			DUP
	5991	COPPER	0.0013	0.0014		mg/L	7.4	0-20			DUP
	5991	LEAD	ND	ND		mg/L	NA	0-20			DUP
	5991	SELENIUM	0.00085	0.001		mg/L	16.2	0-20			DUP
	5991	SILVER	ND	ND		mg/L	NA	0-20			DUP
	5991	ZINC	0.0013	0.0024		mg/L	59.5	0-20	IEV		DUP
	6015	ARSENIC	0.002	0.002		mg/L	0.0	0-20			DUP
	6015	CADMIUM	0.00014	0.00014		mg/L	0.0	0-20			DUP
	6015	COPPER	0.011	0.011		mg/L	0.0	0-20			DUP
	6015	LEAD	0.0026	0.0026		mg/L	0.0	0-20			DUP
	6015	SELENIUM	ND	ND		mg/L	NA	0-20			DUP
	6015	ZINC	0.019	0.019		mg/L	0.0	0-20			DUP
245.1_160216											
	6015	MERCURY	ND	ND		mg/L	NA	0-20			DUP
	6351	MERCURY	ND	ND		mg/L	NA	0-20			DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		Comments
				Result				Qualifier	Type	
	6667	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
8151W_160209										
	5992	2,4 - D	ND	ND	ug/L	NA	0-35		DUP	
	5992	2,4 DB	ND	ND	ug/L	NA	0-35		DUP	
	5992	2,4,5 - TP (SILVEX)	ND	ND	ug/L	NA	0-35		DUP	
	5992	2,4,5 T	ND	ND	ug/L	NA	0-35		DUP	
	5992	3,5 - DICHLOROBENZOIC ACID	ND	ND	ug/L	NA	0-35		DUP	
	5992	ACIFLUORFEN	ND	ND	ug/L	NA	0-35		DUP	
	5992	BENTAZON	ND	ND	ug/L	NA	0-35		DUP	
	5992	CHLORAMBEN	ND		ug/L		0-35		DUP	
	5992	DALAPON	ND	ND	ug/L	NA	0-35		DUP	
	5992	DICAMBA	ND	ND	ug/L	NA	0-35		DUP	
	5992	DICHLORPROP	ND	ND	ug/L	NA	0-35		DUP	
	5992	DINOSEB	ND	ND	ug/L	NA	0-35		DUP	
	5992	MCPA	ND	ND	ug/L	NA	0-35		DUP	
	5992	MCPP	ND	ND	ug/L	NA	0-35		DUP	
	5992	PENTACHLOROPHENOL	ND	ND	ug/L	NA	0-35		DUP	
	5992	PICLORAM	ND	ND	ug/L	NA	0-35		DUP	
	5992	TOTAL DCPA	ND	ND	ug/L	NA	0-35		DUP	
	5992	TRICLOPYR	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160204										
	5449	COLOR	10	10	Color Units	0.0	0-20		DUP	
I160204A										
	5553	FLUORIDE	0.83	0.84	mg/L	1.2	0-20		DUP	
	5554	FLUORIDE	0.84	0.84	mg/L	0.0	0-20		DUP	
	5555	FLUORIDE	0.82	0.83	mg/L	1.2	0-20		DUP	
	5850	FLUORIDE	ND	ND	mg/L	NA	0-20		DUP	
NO3NO2_160205										
	5988	NITRATE-N	0.59	0.59	mg/L	0.0	0-20		DUP	
NO3NO2_160218										
	5988	TOTAL NITRATE/NITRITE	0.65	0.65	mg/L	0.0	0-20		DUP	
	8417	TOTAL NITRATE/NITRITE	2.73	2.63	mg/L	3.7	0-20		DUP	
OPHOS_160205										
	5873	ORTHO-PHOSPHATE	ND	ND	mg/L	NA	0-20	IEV	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
	6168	ORTHO-PHOSPHATE	1.94	1.89		mg/L	2.6	0-20		DUP	
PH_160204											
	5847	HYDROGEN ION (pH)	7.69	7.73		pH Units	0.5	0-45		DUP	
	5994	HYDROGEN ION (pH)	6.71	6.74		pH Units	0.4	0-45		DUP	
TDS_160209											
	5993	TOTAL DISSOLVED SOLIDS (TDS)	446	447		mg/L	0.2	0-10		DUP	
TPHOS_160209											
	5305	TOTAL PHOSPHORUS	0.050	0.056		mg/L	11.3	0-20		DUP	
	5654	TOTAL PHOSPHORUS	0.030	0.031		mg/L	3.3	0-20		DUP	
	5661	TOTAL PHOSPHORUS	1.97	2.090		mg/L	5.9	0-20		DUP	
TPHOS_160212											
	6459	TOTAL PHOSPHORUS	0.066	0.069		mg/L	4.4	0-20		DUP	
	7164	TOTAL PHOSPHORUS	0.045	0.041		mg/L	9.3	0-20		DUP	
TURB_160204											
	5449	TURBIDITY	6.58	6.47		NTU	1.7	0-20		DUP	
	5990	TURBIDITY	1.40	1.38		NTU	1.4	0-20		DUP	

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

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7_160209B															
	5928	CALCIUM	41.0	54.5		13.0	mg/L	104		70-130	NA	0-20			LFM
	5928	IRON	0.11	0.63		0.50	mg/L	104		70-130	NA	0-20			LFM
	5991	IRON	0.15	0.189		0.025	mg/L	156		70-130	NA	0-20	IS		LFM
	5991	MANGANESE	0.002	0.029		0.025	mg/L	108		70-130	NA	0-20			LFM
	5991	CALCIUM	53.1	54.8		0.025	mg/L	6,800		70-130	NA	0-20	IS		LFM
200.8_160209WW															
	5991	ARSENIC	0.0018	0.027		0.025	mg/L	101		70-130	NA	0-20			LFM
	5991	BARIUM	0.077	0.108		0.025	mg/L	124		70-130	NA	0-20			LFM
	5991	CADMIUM	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	5991	CHROMIUM	0.0008	0.028		0.025	mg/L	109		70-130	NA	0-20			LFM
	5991	COPPER	0.0013	0.029		0.025	mg/L	111		70-130	NA	0-20			LFM
	5991	LEAD	ND	0.0258		0.025	mg/L	103		70-130	NA	0-20			LFM
	5991	SELENIUM	0.00085	0.023		0.025	mg/L	89		70-130	NA	0-20			LFM
	5991	SILVER	ND	0.013		0.0125	mg/L	104		70-130	NA	0-20			LFM
	5991	ZINC	0.0013	0.026		0.025	mg/L	99		70-130	NA	0-20			LFM
	6015	ARSENIC	0.002	0.027		0.025	mg/L	100		70-130	NA	0-20			LFM
	6015	CADMIUM	0.00014	0.0253		0.025	mg/L	101		70-130	NA	0-20			LFM
	6015	COPPER	0.011	0.038		0.025	mg/L	108		70-130	NA	0-20			LFM
	6015	LEAD	0.0026	0.0272		0.025	mg/L	98		70-130	NA	0-20			LFM
	6015	SELENIUM	ND	0.0233		0.025	mg/L	93		70-130	NA	0-20			LFM
	6015	ZINC	0.019	0.045		0.025	mg/L	104		70-130	NA	0-20			LFM
245.1_160216															
	6015	MERCURY	ND	0.00173	0.00174	0.00167	mg/L	104	104	70-130	0.6	0-20			LFM
	6351	MERCURY	ND	0.00174	0.00197	0.00167	mg/L	104	118	70-130	12.4	0-20			LFM
	6667	MERCURY	ND	0.00169	0.00169	0.00167	mg/L	101	101	70-130	0.0	0-20			LFM
8151W_160209															
	5992	2,4 - D	ND	2.1		2	ug/L	105	NA	60-120	NA	0-20			LFM
	5992	2,4 DB	ND	6		8	ug/L	75	NA	49-134	NA	0-20			LFM
	5992	2,4,5 - TP (SILVEX)	ND	1.1		1	ug/L	110	NA	68-122	NA	0-20			LFM
	5992	2,4,5 T	ND	1.1		1	ug/L	110	NA	62-128	NA	0-20			LFM
	5992	ACIFLUORFEN	ND	0.95		1	ug/L	95	NA	65-125	NA	0-20			LFM
	5992	BENTAZON	ND	2.2		2	ug/L	110	NA	67-121	NA	0-20			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	5992	DALAPON	ND	11		13	ug/L	85	NA	53-421	NA	0-20			LFM
	5992	DICAMBA	ND	1		1	ug/L	100	NA	66-126	NA	0-20			LFM
	5992	DICHLORPROP	ND	3		3	ug/L	100	NA	63-123	NA	0-20			LFM
	5992	DINOSEB	ND	2.1		2	ug/L	105	NA	73-127	NA	0-20			LFM
	5992	MCPA	ND	0.95		1	ug/L	95	NA	49-121	NA	0-20			LFM
	5992	MCPP	ND	0.84		1	ug/L	84	NA	48-126	NA	0-20			LFM
	5992	PENTACHLOROPHENOL	ND	1		1	ug/L	100	NA	69-123	NA	0-20			LFM
	5992	PICLORAM	ND	0.96		1	ug/L	96	NA	48-114	NA	0-20			LFM
	5992	TOTAL DCPA	ND	1.1		1	ug/L	110	NA	48-168	NA	0-20			LFM
	5992	TRICLOPYR	ND	0.97		1	ug/L	97	NA	70-130	NA	0-20			LFM
I160204A															
	5553	FLUORIDE	0.83	1.79		1	mg/L	96	NA	90-110	NA	0-20			LFM
	5554	FLUORIDE	0.84	1.79		1	mg/L	95	NA	90-110	NA	0-20			LFM
	5555	FLUORIDE	0.82	1.77		1	mg/L	95	NA	90-110	NA	0-20			LFM
	5850	FLUORIDE	ND	0.99		1	mg/L	99	NA	90-110	NA	0-20			LFM
NO3NO2_160205															
	5988	NITRATE-N	0.59	1.10	1.10	0.50	mg/L	102	102	80-120	0.0	0-20			LFM
NO3NO2_160218															
	5988	TOTAL NITRATE/NITRITE	0.65	1.68	1.71	1.0	mg/L	103	106	80-120	2.9	0-20			LFM
	8417	TOTAL NITRATE/NITRITE	2.73	3.74	3.75	1.0	mg/L	101	102	80-120	1.0	0-20			LFM
OPHOS_160205															
	5873	ORTHO-PHOSPHATE	0.011	0.94	0.95	1.00	mg/L	93	94	70-130	1.1	0-20			LFM
	6168	ORTHO-PHOSPHATE	1.94	2.85	2.75	1.00	mg/L	91	81	70-130	11.6	0-20			LFM
TPHOS_160209															
	5305	TOTAL PHOSPHORUS	0.050	0.108	0.109	0.050	mg/L	116	118	70-130	1.7	0-20			LFM
	5654	TOTAL PHOSPHORUS	0.030	0.080	0.086	0.050	mg/L	100	112	70-130	11.3	0-20			LFM
	5661	TOTAL PHOSPHORUS	1.97	2.42	2.36	0.050	mg/L	900	780	70-130	14.3	0-20	IS		LFM
TPHOS_160212															
	6459	TOTAL PHOSPHORUS	0.066	0.123	0.126	0.050	mg/L	114	120	70-130	5.1	0-20			LFM
	7154	TOTAL PHOSPHORUS	0.142	0.200	0.206	0.050	mg/L	116	128	70-130	9.8	0-20			LFM
	7164	TOTAL PHOSPHORUS	0.045	0.108	0.091	0.050	mg/L	126	92	70-130	31.2	0-20	INH		LFM

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 16-02539

Report Date: 03/09/16

Qualifier	Definition
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
L2	The associated blank spike recovery was below laboratory acceptance limits.
N1	See case narrative.

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

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

Page 1 of 2

28018



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

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street		Check Regulatory Program
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe st. OR Zip: 97862		<input type="checkbox"/> Safe Drinking Water Act
Attn: Steven Patten	Phone:	FAX:	<input type="checkbox"/> Clean Water Act
Phone: 541.938-2170 FAX:	P.O.#:	Attn:	<input type="checkbox"/> RCRA / CERCLA
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires	<input type="checkbox"/> Other
Project: Aquifer Recharge Water and Soil 2016	Card#:		

Analyses Requested

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

Field ID	Location	Turn Around Time Required			Grab/ Comp.	Sample Matrix *	Date	Time	Analyses Requested							Containers	
		<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Half-time (50% surcharge)	<input type="checkbox"/> Quickest (100% surcharge) Phone Call Req.					<input type="checkbox"/> Emergency (Phone Call Req.)	8081A Soil	8081A - Water	8151	8260	Foaming Agents	Inorganics		Metals
1	MILL CREEK	STILLER Pond	GRAB	SW		2-3-16	11:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	GL-136	STRUCTURE Pond	GRAB	GW		2-3-16	11:45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	GL-145	STILLER Pond	GRAB	GW		2-3-16	12:45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	GL-146	STILLER Pond	GRAB	GW		2-3-16	9:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5	GL-142	STILLER Pond	GRAB	GW		2-3-16	13:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
6	FROD DUB	FROD DUB	GRAB	GW		2-3-16	10:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7	FROD BLANK	FROD BLANK	GRAB	LD		2-3-16	10:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
8								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Sampled by: Steven Patten Phone: 541-938-2170 FAX: Email: steven.patten@wwbwc.org

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

Relinquished by	Date	Time	Received by	Date	Time
Steven Patten	2-3-16	1400	UPS	2-4-16	1000

Custody seals intact Yes No N/A

Sample temp 4 C satisfactory

Samples received intact

Chain of custody & labels agree

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
✓ Chloride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
✓ Chloride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
✓ Sulfate	Surface Water	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
✓ Sulfate	Groundwater	Pre, Mid & Post Operations	0.5 mg/L	Standard Method 4110
✓ Total Dissolved Solids	Surface Water	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
✓ Total Dissolved Solids	Groundwater	Pre, Mid & Post Operations	2 mg/L	Standard Method 2540 C
✓ Foaming Agents	Surface Water	Pre, Mid & Post Operations	0.05 mg/L	N/A
✓ Foaming Agents	Groundwater	Pre, Mid & Post Operations	0.05 mg/L	N/A
✓ Corrosivity	Surface Water	Pre, Mid & Post Operations	Noncorrosive	N/A
✓ Corrosivity	Groundwater	Pre, Mid & Post Operations	Noncorrosive	N/A
✓ Color	Surface Water	Pre, Mid & Post Operations	15 Color Units	N/A
✓ Color	Groundwater	Pre, Mid & Post Operations	15 Color Units	N/A
✓ Odor	Surface Water	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
✓ Odor	Groundwater	Pre, Mid & Post Operations	3 Threshold Odor Units	Standard Method 2150
✓ Chlorinated Pesticides	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
✓ Chlorinated Pesticides	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
✓ Chlorinated Pesticides	Soil	Pre, Mid & Post Operations	0.1 µg/Kg	EPA Method 8081
PCBs	Surface Water	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Groundwater	Pre, Mid & Post Operations	1 pg/L	EPA Method 1668C
PCBs	Soil	Pre, Mid & Post Operations	10 pg/Kg	EPA Method 1668C
✓ Nitrate (as N)	Surface Water	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻
✓ Nitrate (as N)	Groundwater	Pre, Mid & Post Operations	0.01 mg/L	Standard Method 4500-NO ₃ ⁻

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Nitrate (as N)	Soil	Pre, Mid & Post Operations	0.1 mg/Kg	Standard Method 4500-NO ₃ ⁻
Total Phosphorus (Dissolved & Particulate)	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus (Dissolved & Particulate)	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 4500-P
Total Phosphorus	Soil	Pre, Mid & Post Operations	0.05 mg/Kg	Standard Method 4500-P
Carbonate & Bicarbonate	Surface Water	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Carbonate & Bicarbonate	Groundwater	Pre, Mid & Post Operations	10 mg/L	Standard Method 2320B
Turbidity	Surface Water	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Turbidity	Groundwater	Pre, Mid & Post Operations	1 NTU	Standard Method 2130
Arsenic	Surface Water	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125
Arsenic	Groundwater	Pre, Mid & Post Operations	0.01 µg/L	Standard Method 3125

SAMPLING PARAMETERS

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
Water Temperature	Surface Water	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Water Temperature	Groundwater	Pre, Mid & Post Operations	0.1 °C	NIST Thermometer
Specific Conductance	Surface Water	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
Specific Conductance	Groundwater	Pre, Mid & Post Operations	1 µs/cm	YSI 30/Orion 5-Star
pH	Surface Water	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
pH	Groundwater	Pre, Mid & Post Operations	0.1 pH units	Orion 5-Star meter
Dissolved Oxygen	Surface Water	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Dissolved Oxygen	Groundwater	Pre, Mid & Post Operations	0.2 mg/L	Orion 5-Star meter
Barium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Barium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Cadmium	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Chromium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Chromium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125
Lead	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Lead	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
Mercury	Surface Water	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Mercury	Groundwater	Pre, Mid & Post Operations	0.05 µg/L	Standard Method 3112 B
Selenium	Surface Water	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Selenium	Groundwater	Pre, Mid & Post Operations	0.5 µg/L	Standard Method 3125 B
Silver	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B
Silver	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3150 B

Analyte	Sample Matrix	Samples [sampling times]	Reporting Limit	Analytical Method
✓ Fluoride	Surface Water	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
Fluoride	Groundwater	Pre, Mid & Post Operations	0.1 mg/L	Standard Method 4110
✓ Endrin	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
✓ Endrin	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
✓ Methoxychlor	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
✓ Methoxychlor	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8081
✓ 1,1,1-Trichloroethane	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
1,1,1-Trichloroethane	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8260
✓ 2-4 D	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2-4 D	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
✓ 2,4,5-TP Silvex	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
2,4,5-TP Silvex	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	EPA Method 8151
✓ Total Coliform Bacteria	Surface Water	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
Total Coliform Bacteria	Groundwater	Pre, Mid & Post Operations	1/100 ml	Standard Method 9221 D and 9222 B
✓ Copper	Surface Water	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
✓ Copper	Groundwater	Pre, Mid & Post Operations	0.1 µg/L	Standard Method 3125
✓ Iron	Surface Water	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
Iron	Groundwater	Pre, Mid & Post Operations	0.03 mg/L	Standard Method 3120 B
✓ Manganese	Surface Water	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
Manganese	Groundwater	Pre, Mid & Post Operations	0.005 mg/L	Standard Method 3120 B
✓ Zinc	Surface Water	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B
Zinc	Groundwater	Pre, Mid & Post Operations	5 µg/L	Standard Method 3150 B



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 7, 2016

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 16-02545 - Stiller Pond Soil Sampling

Dear Mr. Steve Patten,

Your project: Stiller Pond Soil Sampling, was received on Thursday February 04, 2016.

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

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

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 7, 2016

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Case Narrative

Reference: **16-02545**

Project Notes

	Analytical Method	Notes	Created by
Project Note	8081B	4,4'-DDE - all results reported were confirmed by alternate column or GC/MS (SIM). The dilution factor is the conversion to dry weight based on the sample Total Solids.	CO



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Corvallis, OR Microbiology/Chemistry (d)
540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
Bend, OR Microbiology (e)
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Report Date: 3/7/16

Date Received: 2/4/16

Approved by: jaa,mvp

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: Soil #1 - Stiller Pond										Sample Date: 2/3/16 9:55 am		
Lab Number: 6000		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	4.8	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	938	19.5		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #2 - Stiller Pond										Sample Date: 2/3/16 10:00 am		
Lab Number: 6001		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	1.6	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	820	15.7		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #3 - Stiller Pond										Sample Date: 2/3/16 10:12 am		
Lab Number: 6002		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	4.8	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	649	18.5		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #4 - Stiller Pond										Sample Date: 2/3/16 10:17 am		
Lab Number: 6003		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	3.0	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	529	15.4		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Notes:

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

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

Data Report

Sample Description: Soil #5 - Stiller Pond										Sample Date: 2/3/16 10:27 am		
Lab Number: 6004		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	14.3	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	762	14.7		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #6 - Stiller Pond										Sample Date: 2/3/16 10:32 am		
Lab Number: 6005		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	5.6	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	742	17.5		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #7 - Stiller Pond										Sample Date: 2/3/16 10:42 am		
Lab Number: 6006		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	5.5	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	767	18.1		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #8 - Stiller Pond										Sample Date: 2/3/16 10:47 am		
Lab Number: 6007		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	0.9	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	743	14.7		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #9 - Stiller Pond										Sample Date: 2/3/16 10:58 am		
Lab Number: 6008		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	3.0	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	703	17.1		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Sample Description: Soil #10 - Stiller Pond										Sample Date: 2/3/16 11:00 am		
Lab Number: 6009		Sample Comment:								Collected By: Tara Patten		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

14797-55-8	NITRATE-N	4.0	0.5	0.2	mg/Kg	1.0	SM4500-NO3 F		2/8/16	KB	SOIL4500_150208	Analyzed by Soiltest
7723-14-0	TOTAL PHOSPHORUS	594	18.2		mg/Kg	10.0	6010B/3051	a	2/17/16	BJ	6010B_160217B	

Notes:

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



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06009
Field ID: Soil #10
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.40	a	
72-55-9	4,4' - DDE	ND		ug/Kg	0.6	0.4		1.40	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40	a	

Notes:

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

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



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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06008
Field ID: Soil #9
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.40	a	
72-55-9	4,4' - DDE	0.6		ug/Kg	0.6	0.4		1.40	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40	a	

Notes:

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D.F. - Dilution Factor.

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06007
Field ID: Soil #8
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.5	0.4		1.30	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.5	0.4		1.30	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.5	0.4		1.30	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.5	0.4		1.30	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.5	0.4		1.30	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.5	0.4		1.30	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.5	0.4		1.30	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.5	0.4		1.30	a	
72-55-9	4,4' - DDE	ND		ug/Kg	0.5	0.4		1.30	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.5	0.4		1.30	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.5	0.4		1.30	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.5	0.4		1.30	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.5	0.4		1.30	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.5	0.4		1.30	a	
72-20-8	ENDRIN	ND		ug/Kg	0.5	0.4		1.30	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.5	0.4		1.30	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.5	0.4		1.30	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.5	0.4		1.30	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.5	0.4		1.30	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.5	0.4		1.30	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	325	250		1.30	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06006
Field ID: Soil #7
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.40	a	
72-55-9	4,4' - DDE	1.8		ug/Kg	0.6	0.4		1.40	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40	a	

Notes:

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DATA REPORT

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06005
Field ID: Soil #6
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.40	a	
72-55-9	4,4' - DDE	4.6		ug/Kg	0.6	0.4		1.40	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40	a	

Notes:

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DATA REPORT

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06004
Field ID: Soil #5
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.40	a	
72-55-9	4,4' - DDE	1.3		ug/Kg	0.6	0.4		1.40	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06003
Field ID: Soil #4
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.40	a	
72-55-9	4,4' - DDE	2.0		ug/Kg	0.6	0.4		1.40	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.40	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40	a	

Notes:

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06002
Field ID: Soil #3
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.50	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.50	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.50	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.50	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.50	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.50	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.50	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.6	0.4		1.50	a	
72-55-9	4,4' - DDE	1.0		ug/Kg	0.6	0.4		1.50	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.50	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.50	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.50	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.50	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.50	a	
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.50	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.50	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.50	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.50	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.50	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.6	0.4		1.50	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	375	250		1.50	a	

Notes:

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

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

D.F. - Dilution Factor.

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06001
Field ID: Soil #2
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.5	0.4		1.30	a	
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.5	0.4		1.30	a	
319-85-7	BHC, BETA -	ND		ug/Kg	0.5	0.4		1.30	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.5	0.4		1.30	a	
319-86-8	BHC, DELTA -	ND		ug/Kg	0.5	0.4		1.30	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.5	0.4		1.30	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.5	0.4		1.30	a	
50-29-3	4,4' - DDT	ND	CV	ug/Kg	0.5	0.4		1.30	a	
72-55-9	4,4' - DDE	1.2		ug/Kg	0.5	0.4		1.30	a	
72-54-8	4,4' - DDD	ND		ug/Kg	0.5	0.4		1.30	a	
60-57-1	DIELDRIN	ND		ug/Kg	0.5	0.4		1.30	a	
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.5	0.4		1.30	a	
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.5	0.4		1.30	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.5	0.4		1.30	a	
72-20-8	ENDRIN	ND		ug/Kg	0.5	0.4		1.30	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.5	0.4		1.30	a	
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.5	0.4		1.30	a	
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.5	0.4		1.30	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.5	0.4		1.30	a	
72-43-5	METHOXYCHLOR	ND	CV	ug/Kg	0.5	0.4		1.30	a	
8001-35-2	TOXAPHENE	ND		ug/Kg	325	250		1.30	a	

Notes:

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

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



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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-02545**
Project: Stiller Pond Soil Sampling

Lab Number: 06000
Field ID: Soil #1
Sample Description: Stiller Pond
Matrix: Soil
Sample Date: 2/3/16
Extraction Date: 2/8/16
Extraction Method: 3540C

Report Date: 3/7/16
Date Analyzed: 2/11/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160208S
Approved By: rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/Kg	0.6	0.4		1.40		
319-84-6	BHC, ALPHA -	ND		ug/Kg	0.6	0.4		1.40		
319-85-7	BHC, BETA -	ND		ug/Kg	0.6	0.4		1.40		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/Kg	0.6	0.4		1.40		
319-86-8	BHC, DELTA -	ND		ug/Kg	0.6	0.4		1.40		
5103-71-9	ALPHA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40		
5103-74-2	GAMMA-CHLORDANE	ND		ug/Kg	0.6	0.4		1.40		
50-29-3	4,4' - DDT	ND	D6	ug/Kg	0.6	0.4		1.40		
72-55-9	4,4' - DDE	1.5		ug/Kg	0.6	0.4		1.40		
72-54-8	4,4' - DDD	ND		ug/Kg	0.6	0.4		1.40		
60-57-1	DIELDRIN	ND		ug/Kg	0.6	0.4		1.40		
959-98-8	ENDOSULFAN I	ND		ug/Kg	0.6	0.4		1.40		
33213-65-1	ENDOSULFAN II	ND		ug/Kg	0.6	0.4		1.40		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/Kg	0.6	0.4		1.40		
72-20-8	ENDRIN	ND		ug/Kg	0.6	0.4		1.40		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/Kg	0.6	0.4		1.40		
53494-70-1	ENDRIN KETONE	ND		ug/Kg	0.6	0.4		1.40		
76-44-8	HEPTACHLOR	ND	CV	ug/Kg	0.6	0.4		1.40		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	0.6	0.4		1.40		
72-43-5	METHOXYCHLOR	ND	D6	ug/Kg	0.6	0.4		1.40		
8001-35-2	TOXAPHENE	ND		ug/Kg	350	250		1.40		

Notes:

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

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Calibration Check

Reference Number: **16-02545**

Report Date: 03/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
6010B_160217B 2	TOTAL PHOSPHORUS	10.19	10	mg/L	6010B	102	90-110	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-02545**

Report Date: 03/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
6010B_160217B	0 TOTAL PHOSPHORUS	9.62	10	mg/L	6010B	96	85-115	LFB	
8081B_160208S	0 4,4' - DDD	47.0	50	ug/Kg	8081B	94	78-132	LFB	
	0 4,4' - DDE	48.5	50	ug/Kg	8081B	97	73-127	LFB	
	0 4,4' - DDT	51.0	50	ug/Kg	8081B	102	56-158	LFB	
	0 ALDRIN	43.0	50	ug/Kg	8081B	86	68-128	LFB	
	0 ALPHA-CHLORDANE	57.5	50	ug/Kg	8081B	115	70-130	LFB	
	0 BHC, ALPHA -	37.5	50	ug/Kg	8081B	75	37-134	LFB	
	0 BHC, BETA -	45.0	50	ug/Kg	8081B	90	17-147	LFB	
	0 BHC, DELTA -	43.5	50	ug/Kg	8081B	87	32-127	LFB	
	0 DIELDRIN	49.0	50	ug/Kg	8081B	98	74-134	LFB	
	0 ENDOSULFAN I	47.5	50	ug/Kg	8081B	95	67-133	LFB	
	0 ENDOSULFAN II	48.5	50	ug/Kg	8081B	97	64-142	LFB	
	0 ENDOSULFAN SULFATE	51.0	50	ug/Kg	8081B	102	71-143	LFB	
	0 ENDRIN	47.5	50	ug/Kg	8081B	95	30-147	LFB	
	0 ENDRIN ALDEHYDE	44.5	50	ug/Kg	8081B	89	1-189	LFB	
	0 ENDRIN KETONE	54.0	50	ug/Kg	8081B	108	70-130	LFB	
	0 GAMMA-CHLORDANE	45.0	50	ug/Kg	8081B	90	74-124	LFB	
	0 HEPTACHLOR	50.0	50	ug/Kg	8081B	100	61-133	LFB	
	0 HEPTACHLOR EPOXIDE "B"	55.0	50	ug/Kg	8081B	110	73-127	LFB	
	0 LINDANE (BHC - GAMMA)	44.0	50	ug/Kg	8081B	88	17-140	LFB	
	0 METHOXYCHLOR	53.0	50	ug/Kg	8081B	106	41-157	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low-Level Lab Fortified Blank

Reference Number: **16-02545**

Report Date: 03/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8081B_160208s	0 4,4' - DDD	3.7	5	ug/L	8081B	74	62-158	LLFB	S	
	0 4,4' - DDE	4.2	5	ug/L	8081B	84	58-152	LLFB	S	
	0 4,4' - DDT	4.4	5	ug/L	8081B	88	45-190	LLFB	S	
	0 ALDRIN	3.8	5	ug/L	8081B	76	54-154	LLFB	S	
	0 ALPHA-CHLORDANE	4.3	5	ug/L	8081B	86	56-156	LLFB	S	
	0 BHC, ALPHA -	2.6	5	ug/L	8081B	52	30-161	LLFB	S	
	0 BHC, BETA -	4.4	5	ug/L	8081B	88	14-176	LLFB	S	
	0 BHC, DELTA -	3.0	5	ug/L	8081B	60	26-152	LLFB	S	
	0 DIELDRIN	3.7	5	ug/L	8081B	74	59-161	LLFB	S	
	0 ENDOSULFAN I	4.3	5	ug/L	8081B	86	54-160	LLFB	S	
	0 ENDOSULFAN II	5.2	5	ug/L	8081B	104	51-170	LLFB	S	
	0 ENDOSULFAN SULFATE	4.4	5	ug/L	8081B	88	57-172	LLFB	S	
	0 ENDRIN	4.3	5	ug/L	8081B	86	24-176	LLFB	S	
	0 ENDRIN ALDEHYDE	0.5	5	ug/L	8081B	10	1-189	LLFB	S	
	0 ENDRIN KETONE	5.5	5	ug/L	8081B	110	56-156	LLFB	S	
	0 GAMMA-CHLORDANE	3.8	5	ug/L	8081B	76	59-149	LLFB	S	
	0 HEPTACHLOR	4.5	5	ug/L	8081B	90	49-160	LLFB	S	
	0 HEPTACHLOR EPOXIDE "B"	5.7	5	ug/L	8081B	114	58-152	LLFB	S	
	0 LINDANE (BHC - GAMMA)	3.0	5	ug/L	8081B	60	14-168	LLFB	S	
	0 METHOXYCHLOR	5.4	5	ug/L	8081B	108	33-188	LLFB	S	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-02545**

Report Date: 03/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
6010B_160217B	0 TOTAL PHOSPHORUS	ND		mg/L	6010B	0-0		LRB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-02545**

Report Date: 03/07/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
6010B_160217B	0 TOTAL PHOSPHORUS	0.13		mg/L	6010B		0-0		MB	
8081B_160208S	0 4,4' - DDD	ND		ug/Kg	8081B		0-0		MB	S
	0 4,4' - DDE	ND		ug/Kg	8081B		0-0		MB	S
	0 4,4' - DDT	ND		ug/Kg	8081B		0-0		MB	S
	0 ALDRIN	ND		ug/Kg	8081B		0-0		MB	S
	0 ALPHA-CHLORDANE	ND		ug/Kg	8081B		0-0		MB	S
	0 BHC, ALPHA -	ND		ug/Kg	8081B		0-0		MB	S
	0 BHC, BETA -	ND		ug/Kg	8081B		0-0		MB	S
	0 BHC, DELTA -	ND		ug/Kg	8081B		0-0		MB	S
	0 DIELDRIN	ND		ug/Kg	8081B		0-0		MB	S
	0 ENDOSULFAN I	ND		ug/Kg	8081B		0-0		MB	S
	0 ENDOSULFAN II	ND		ug/Kg	8081B		0-0		MB	S
	0 ENDOSULFAN SULFATE	ND		ug/Kg	8081B		0-0		MB	S
	0 ENDRIN	ND		ug/Kg	8081B		0-0		MB	S
	0 ENDRIN ALDEHYDE	ND		ug/Kg	8081B		0-0		MB	S
	0 ENDRIN KETONE	ND		ug/Kg	8081B		0-0		MB	S
	0 GAMMA-CHLORDANE	ND		ug/Kg	8081B		0-0		MB	S
	0 HEPTACHLOR	ND		ug/Kg	8081B		0-0		MB	S
	0 HEPTACHLOR EPOXIDE "B"	ND		ug/Kg	8081B		0-0		MB	S
	0 LINDANE (BHC - GAMMA)	ND		ug/Kg	8081B		0-0		MB	S
	0 METHOXYCHLOR	ND		ug/Kg	8081B		0-0		MB	S
	0 TOXAPHENE	ND		ug/L	8081B		0-0		MB	S

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Quality Control Sample

Reference Number: **16-02545**

Report Date: 03/07/16

Batch	Analyte	Result	True		Method	%	Recovery Limits*	QC	QC	Comment
			Value	Units				Qualifier Type	Qualifier Type	
6010B_160217B 0	TOTAL PHOSPHORUS	10.28	10	mg/L	6010B	103	90-110			QCS

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



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

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
Duplicate											
6010B_160217B											
	6000	TOTAL PHOSPHORUS	938	927		mg/Kg	1.2	0-20		DUP	
TS_160205											
	6001	TOTAL SOLIDS FOR CALCULATION	77.00	77.01		%	0.0	0-20		DUP	
	6009	TOTAL SOLIDS FOR CALCULATION	73.13	73.03		%	0.1	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC Qualifier	Type	Comments
				Spike Result	Spike Result			MS	MSD						
Laboratory Fortified Matrix (MS)															
6010B_160217B															
	6000	TOTAL PHOSPHORUS	938	1288	1265	382	mg/Kg	92	86	75-125	6.8	0-20		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 16-02545

Report Date: 03/07/16

Qualifier	Definition
CV	The end calibration verification was significantly below the acceptance criterion of 80%. Low recovery is a result of this sample's high boiling material residue analyzed prior affecting chromatography. Data if reported, is suspect as biased low.
D6	Data is suspect, the matrix spike for this sample had little or no recovery. The LFB had acceptable recovery. A matrix affect is indicated.
EC	This compound is subject to erratic chromatographic behavior.
HQ	High QCS recovery due to increased detector response of the sample extract. The continuing calibration checks are within acceptance limits.

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

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)



REPORT TO: **STEVEN PATTER**
 ADDRESS:
 CITY: STATE: ZIP:
 ATTN: PHONE: **541-938-2170** FAX:
 PHONE: **541-938-2170** FAX:
 EMAIL: **steven.patten@edgeanalytical.com**
 PROJECT NAME: **Stouzer Pkwy**

BILL TO: **WLDGWC**
 ADDRESS: **810 S. MADY**
 CITY: **McMURDO** STATE: **OR** ZIP: **97862**
 PHONE: **541-938-2170** FAX:
 P.O.#: ATTN:
 VISA M/C A/E EXPIRES /
 CARD#

REF#
FOR LAB USE ONLY
 CHECK REGULATORY PROGRAM
 SAFE DRINKING WATER ACT
 CLEAN WATER ACT
 RCRA / CERCLA
 OTHER

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

INSTRUCTIONS

- USE ONE LINE PER SAMPLE LOCATION.
- BE SPECIFIC IN TEST REQUESTS.
- NEW LIST EACH METAL INDIVIDUALLY. NEW
- CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
- ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- STANDARD
 HALF-TIME (50% SURCHARGE)
 QUICKEST (100% SURCHARGE) (PHONE CALL REQ.)
 EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX *	DATE	TIME	ANALYSIS REQUESTED	NUMBER	SPECIAL INSTRUCTIONS/CONDITIONS ON RECEIPT
1	Soil #1		Soil	3/31/16	9:55			
2	Soil #2		Soil	3/31/16	10:00			
3	Soil #3		Soil	3/31/16	10:12			
4	Soil #4		Soil	3/31/16	10:17			
5	Soil #5		Soil	3/31/16	10:29			
6	Soil #6		Soil	3/31/16	10:32			
7	Soil #7		Soil	3/31/16	10:42			
8	Soil #8		Soil	3/31/16	10:47			
9	Soil #9		Soil	3/31/16	10:55			
10	Soil #10		Soil	3/31/16	11:00			

SAMPLED BY: **TARA PATTER**

PHONE: **541-938-2170**

FAX:

EMAIL:

▲ TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) *W-WATER DW-DRINKING WATER SW-SURFACE WATER GW-GROUND WATER WW-WASTE WATER S-SOIL OL-OIL OTHER

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
STEVEN PATTER	3/31/16	14:00	UPS	2-4-16	1008

CUSTODY SEALS INTACT YES NO N/A
 SAMPLE TEMP **4** °C SATISFACTORY YES NO N/A
 EVIDENCE OF COOLING YES NO N/A
 SAMPLES RECEIVED INTACT YES NO N/A

CHAIN OF CUSTODY & LABELS AGREE YES NO N/A

16-02545
 6000 - 6009

February 18, 2016

Vista Work Order No. 1600091

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

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 04, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1600091

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1668C

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

Holding Times

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

Quality Control

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

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

The ion abundance ratio for the internal standard 13C-PCB-47 in sample "Mill Creek" did not meet the acceptance criteria. The recoveries and ion abundance ratios for all other internal standards in the QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1600091-01	GW-146	03-Feb-16 09:50	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600091-02	GW-136	03-Feb-16 11:45	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600091-03	GW-145	03-Feb-16 12:45	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600091-04	GW-147	03-Feb-16 13:20	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600091-05	Mill Creek	03-Feb-16 11:30	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600091-06	Field Blank	03-Feb-16 10:40	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600091-07	Field Duplicate	03-Feb-16 10:10	04-Feb-16 09:53	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0038	Lab Sample: B6B0038-BLK1
Sample Size: 1.00 L	Date Extracted: 09-Feb-2016 8:45	Date Analyzed: 11-Feb-16 15:23 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.76			PCB-43/49	ND	1.07		
PCB-2	ND	1.82			PCB-44	ND	1.27		
PCB-3	ND	1.82			PCB-45	ND	1.17		
PCB-4/10	ND	4.31			PCB-46	ND	1.28		
PCB-5/8	ND	3.60			PCB-47	ND		1.16	
PCB-6	ND	3.70			PCB-48/75	ND	0.834		
PCB-7/9	ND	3.65			PCB-50	ND	1.21		
PCB-11	4.45			J	PCB-51	ND	1.05		
PCB-12/13	ND	3.49			PCB-52/69	ND		0.906	
PCB-14	ND	3.01			PCB-53	ND	1.07		
PCB-15	ND	3.07			PCB-54	ND	0.917		
PCB-16/32	ND	1.12			PCB-55	ND	0.705		
PCB-17	ND	0.553			PCB-56/60	ND	0.784		
PCB-18	ND		1.02		PCB-57	ND	0.818		
PCB-19	ND	1.09			PCB-58	ND	0.805		
PCB-20/21/33	ND	0.818			PCB-61/70	ND	0.813		
PCB-22	ND	0.880			PCB-62	ND	0.815		
PCB-23	ND	0.847			PCB-63	ND	0.787		
PCB-24/27	ND	0.669			PCB-65	ND	0.840		
PCB-25	ND	0.933			PCB-66/76	ND		0.696	
PCB-26	ND	0.828			PCB-67	ND	0.839		
PCB-28	ND	0.765			PCB-68	ND	0.687		
PCB-29	ND	0.847			PCB-73	ND	0.862		
PCB-30	ND	0.687			PCB-74	ND	0.755		
PCB-31	ND	0.756			PCB-77	ND	0.830		
PCB-34	ND	0.787			PCB-78	ND	0.798		
PCB-35	ND	0.913			PCB-79	ND	0.748		
PCB-36	ND	0.882			PCB-80	ND	0.655		
PCB-37	ND	0.850			PCB-81	ND	0.729		
PCB-38	ND	0.923			PCB-82	ND	2.70		
PCB-39	ND	0.909			PCB-83	ND	1.62		
PCB-40	ND	1.29			PCB-84/92	ND	2.22		
PCB-41/64/71/72	ND	0.827			PCB-85/116	ND	1.93		
PCB-42/59	ND	0.895			PCB-86	ND	2.60		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B6B0038
Date Extracted: 09-Feb-2016 8:45Lab Sample: B6B0038-BLK1
Date Analyzed: 11-Feb-16 15:23 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	1.69			PCB-133/142	ND	1.40		
PCB-88/91	ND	2.48			PCB-134/143	ND	1.36		
PCB-89	ND	2.39			PCB-135	ND	1.99		
PCB-90/101	ND	1.40			PCB-136	ND	1.39		
PCB-93	ND	2.62			PCB-137	ND	1.27		
PCB-94	ND	2.47			PCB-138/163/164	ND	0.685		
PCB-95/98/102	ND	2.16			PCB-139/149	ND	1.83		
PCB-96	ND	1.89			PCB-140	ND	2.05		
PCB-97	ND	2.07			PCB-141	ND	1.30		
PCB-99	ND	1.91			PCB-144	ND	1.86		
PCB-100	ND	2.15			PCB-145	ND	1.45		
PCB-103	ND	2.14			PCB-146/165	ND	1.17		
PCB-104	ND	1.64			PCB-147	ND	2.04		
PCB-105	ND	0.988			PCB-148	ND	1.95		
PCB-106/118	ND	1.35			PCB-150	ND	1.41		
PCB-107/109	ND	1.50			PCB-151	ND	1.94		
PCB-108/112	ND	1.91			PCB-152	ND	1.36		
PCB-110	ND	1.58			PCB-153	ND	1.06		
PCB-111/115	ND	1.45			PCB-154	ND	1.79		
PCB-113	ND	1.78			PCB-155	ND	1.33		
PCB-114	ND	1.09			PCB-156	ND	0.872		
PCB-119	ND	1.43			PCB-157	ND	0.907		
PCB-120	ND	1.35			PCB-158/160	ND	0.890		
PCB-121	ND	1.58			PCB-159	ND	0.914		
PCB-122	ND	1.29			PCB-166	ND	0.978		
PCB-123	ND	1.60			PCB-167	ND	0.916		
PCB-124	ND	1.54			PCB-168	ND	0.937		
PCB-126	ND	1.16			PCB-169	ND	0.921		
PCB-127	ND	1.13			PCB-170	ND	0.762		
PCB-128/162	ND	1.08			PCB-171	ND	0.750		
PCB-129	ND	1.33			PCB-172	ND	0.807		
PCB-130	ND	1.63			PCB-173	ND	0.989		
PCB-131	ND	1.50			PCB-174	ND	0.848		
PCB-132/161	ND	1.14			PCB-175	ND	0.938		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0038	Lab Sample: B6B0038-BLK1
Sample Size: 1.00 L	Date Extracted: 09-Feb-2016 8:45	Date Analyzed: 11-Feb-16 15:23 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-176	ND	0.675			Total triCB	ND		1.02	
PCB-177	ND	0.862			Total tetraCB	ND		2.77	
PCB-178	ND	0.914			Total pentaCB	ND	2.70		
PCB-179	ND	0.706			Total hexaCB	ND	2.05		
PCB-180	ND	0.754			Total heptaCB	ND	0.989		
PCB-181	ND	0.809			Total octaCB	ND		0.672	
PCB-182/187	ND	0.864			Total nonaCB	ND	0.899		
PCB-183	ND	0.803			DecaCB	ND	0.501		
PCB-184	ND	0.734			Total PCB	4.45			
PCB-185	ND	0.777							
PCB-186	ND	0.674							
PCB-188	ND	0.645							
PCB-189	ND	0.519							
PCB-190	ND	0.566							
PCB-191	ND	0.587							
PCB-192	ND	0.628							
PCB-193	ND	0.590							
PCB-194	ND		0.672						
PCB-195	ND	0.926							
PCB-196/203	ND	1.25							
PCB-197	ND	0.888							
PCB-198	ND	1.37							
PCB-199	ND	1.40							
PCB-200	ND	1.00							
PCB-201	ND	0.945							
PCB-202	ND	1.02							
PCB-204	ND	0.964							
PCB-205	ND	0.655							
PCB-206	ND	0.899							
PCB-207	ND	0.680							
PCB-208	ND	0.689							
PCB-209	ND	0.501							
Total monoCB	ND	1.82							
Total diCB	4.45								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6B0038	Lab Sample: B6B0038-BLK1
Sample Size: 1.00 L	Date Extracted: 09-Feb-2016 8:45	Date Analyzed: 11-Feb-16 15:23 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	59.4	5 - 145		13C-PCB-157	92.0	10 - 145	
13C-PCB-3	60.2	5 - 145		13C-PCB-159	93.4	10 - 145	
13C-PCB-4	65.1	5 - 145		13C-PCB-167	98.1	10 - 145	
13C-PCB-11	75.0	5 - 145		13C-PCB-169	103	10 - 145	
13C-PCB-9	65.9	5 - 145		13C-PCB-170	95.6	10 - 145	
13C-PCB-19	72.2	5 - 145		13C-PCB-180	96.0	10 - 145	
13C-PCB-28	85.2	5 - 145		13C-PCB-188	79.8	10 - 145	
13C-PCB-32	77.7	5 - 145		13C-PCB-189	99.1	10 - 145	
13C-PCB-37	84.1	5 - 145		13C-PCB-194	83.9	10 - 145	
13C-PCB-47	97.8	5 - 145		13C-PCB-202	90.2	10 - 145	
13C-PCB-52	97.1	5 - 145		13C-PCB-206	94.5	10 - 145	
13C-PCB-54	82.0	5 - 145		13C-PCB-208	75.1	10 - 145	
13C-PCB-70	92.1	5 - 145		13C-PCB-209	99.4	10 - 145	
13C-PCB-77	86.7	10 - 145		CRS 13C-PCB-79	101	10 - 145	
13C-PCB-80	94.1	10 - 145		13C-PCB-178	93.6	10 - 145	
13C-PCB-81	91.7	10 - 145					
13C-PCB-95	85.5	10 - 145					
13C-PCB-97	91.0	10 - 145					
13C-PCB-101	90.2	10 - 145					
13C-PCB-104	82.6	10 - 145					
13C-PCB-105	98.9	10 - 145					
13C-PCB-114	93.6	10 - 145					
13C-PCB-118	95.1	10 - 145					
13C-PCB-123	96.9	10 - 145					
13C-PCB-126	100	10 - 145					
13C-PCB-127	99.2	10 - 145					
13C-PCB-138	95.4	10 - 145					
13C-PCB-141	90.9	10 - 145					
13C-PCB-153	86.2	10 - 145					
13C-PCB-155	87.4	10 - 145					
13C-PCB-156	95.1	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6B0038
Date Extracted: 09-Feb-2016 8:45

Lab Sample: B6B0038-BS1
Date Analyzed: 11-Feb-16 13:13 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	817	1000	81.7	60 - 135	IS 13C-PCB-1	80.2	15 - 145
PCB-3	832	1000	83.2	60 - 135	IS 13C-PCB-3	78.0	15 - 145
PCB-4/10	1530	2000	76.6	60 - 135	IS 13C-PCB-4	79.8	15 - 145
PCB-15	805	1000	80.5	60 - 135	IS 13C-PCB-11	81.2	15 - 145
PCB-19	959	1000	95.9	60 - 135	IS 13C-PCB-9	79.7	15 - 145
PCB-37	837	1000	83.7	60 - 135	IS 13C-PCB-19	85.5	15 - 145
PCB-54	957	1000	95.7	60 - 135	IS 13C-PCB-28	71.8	15 - 145
PCB-77	849	1000	84.9	60 - 135	IS 13C-PCB-32	88.1	15 - 145
PCB-81	808	1000	80.8	60 - 135	IS 13C-PCB-37	83.8	15 - 145
PCB-104	852	1000	85.2	60 - 135	IS 13C-PCB-47	89.2	15 - 145
PCB-105	748	1000	74.8	60 - 135	IS 13C-PCB-52	86.4	15 - 145
PCB-106/118	1700	2000	84.9	60 - 135	IS 13C-PCB-54	91.9	15 - 145
PCB-114	754	1000	75.4	60 - 135	IS 13C-PCB-70	90.4	15 - 145
PCB-123	901	1000	90.1	60 - 135	IS 13C-PCB-77	103	40 - 145
PCB-126	821	1000	82.1	60 - 135	IS 13C-PCB-80	93.2	40 - 145
PCB-155	902	1000	90.2	60 - 135	IS 13C-PCB-81	87.3	40 - 145
PCB-156	920	1000	92.0	60 - 135	IS 13C-PCB-95	92.7	40 - 145
PCB-157	956	1000	95.6	60 - 135	IS 13C-PCB-97	93.8	40 - 145
PCB-167	977	1000	97.7	60 - 135	IS 13C-PCB-101	93.8	40 - 145
PCB-169	955	1000	95.5	60 - 135	IS 13C-PCB-104	86.1	40 - 145
PCB-188	994	1000	99.4	60 - 135	IS 13C-PCB-105	105	40 - 145
PCB-189	933	1000	93.3	60 - 135	IS 13C-PCB-114	98.8	40 - 145
PCB-202	961	1000	96.1	60 - 135	IS 13C-PCB-118	101	40 - 145
PCB-205	912	1000	91.2	60 - 135	IS 13C-PCB-123	104	40 - 145
PCB-206	954	1000	95.4	60 - 135	IS 13C-PCB-126	106	40 - 145
PCB-208	1040	1000	104	60 - 135	IS 13C-PCB-127	104	40 - 145
PCB-209	930	1000	93.0	60 - 135	IS 13C-PCB-138	99.9	40 - 145
					IS 13C-PCB-141	93.3	40 - 145
					IS 13C-PCB-153	92.2	40 - 145
					IS 13C-PCB-155	90.4	40 - 145
					IS 13C-PCB-156	101	40 - 145
					IS 13C-PCB-157	96.2	40 - 145
					IS 13C-PCB-159	97.8	40 - 145
					IS 13C-PCB-167	101	40 - 145
					IS 13C-PCB-169	103	40 - 145
					IS 13C-PCB-170	97.6	40 - 145
					IS 13C-PCB-180	99.7	40 - 145
					IS 13C-PCB-188	83.4	40 - 145
					IS 13C-PCB-189	100	40 - 145
					IS 13C-PCB-194	93.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6B0038
Date Extracted: 09-Feb-2016 8:45

Lab Sample: B6B0038-BS1
Date Analyzed: 11-Feb-16 13:13 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	99.8	40 - 145
					IS 13C-PCB-206	104	40 - 145
					IS 13C-PCB-208	92.6	40 - 145
					IS 13C-PCB-209	104	40 - 145
					CRS 13C-PCB-79	103	40 - 145
					CRS 13C-PCB-178	100	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-01	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond	Sample Size:	1.02 L	QC Batch:	B6B0038	Date Extracted:	09-Feb-2016 8:45
Date Collected:	03-Feb-2016 9:50			Date Analyzed:	11-Feb-16 17:33	Column:	ZB-1
				Analyst:	MAS		

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	21.6				PCB-44	8.75			
PCB-2	ND		1.13		PCB-45	3.39			J
PCB-3	6.10				PCB-46	2.10			J
PCB-4/10	42.5				PCB-47	4.50			J
PCB-5/8	71.7				PCB-48/75	2.60			J
PCB-6	13.4				PCB-50	ND	1.13		
PCB-7/9	ND	5.02			PCB-51	1.74			J
PCB-11	6.70			B	PCB-52/69	7.56			J
PCB-12/13	ND	4.74			PCB-53	2.91			J
PCB-14	ND	4.08			PCB-54	ND	0.862		
PCB-15	15.5				PCB-55	ND	0.691		
PCB-16/32	36.5				PCB-56/60	3.75			J
PCB-17	20.1				PCB-57	ND	0.789		
PCB-18	53.9				PCB-58	ND	0.777		
PCB-19	8.04				PCB-61/70	4.49			J
PCB-20/21/33	22.6				PCB-62	ND	0.883		
PCB-22	12.7				PCB-63	ND	0.760		
PCB-23	ND	0.803			PCB-65	ND	0.911		
PCB-24/27	4.78			J	PCB-66/76	4.04			J
PCB-25	3.29			J	PCB-67	ND	0.810		
PCB-26	5.92				PCB-68	0.822			J
PCB-28	31.2				PCB-73	ND	0.956		
PCB-29	0.541			J	PCB-74	ND		1.45	
PCB-30	ND	0.884			PCB-77	ND	0.659		
PCB-31	28.1				PCB-78	ND	0.683		
PCB-34	ND	0.747			PCB-79	ND	0.733		
PCB-35	ND	0.828			PCB-80	ND	0.642		
PCB-36	ND	0.800			PCB-81	ND	0.623		
PCB-37	4.28			J	PCB-82	ND	2.92		
PCB-38	ND	0.837			PCB-83	ND	1.92		
PCB-39	ND	0.825			PCB-84/92	ND	2.43		
PCB-40	ND	1.40			PCB-85/116	ND	2.29		
PCB-41/64/71/72	6.89			J	PCB-86	ND	3.08		
PCB-42/59	3.27			J	PCB-87/117/125	ND	2.00		
PCB-43/49	6.37			J	PCB-88/91	ND	2.89		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-01	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond	Sample Size:	1.02 L	QC Batch:	B6B0038	Date Extracted:	09-Feb-2016 8:45
Date Collected:	03-Feb-2016 9:50			Date Analyzed :	11-Feb-16 17:33	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.61			PCB-136	ND	1.34		
PCB-90/101	2.38			J	PCB-137	ND	1.31		
PCB-93	ND	3.05			PCB-138/163/164	ND		0.756	
PCB-94	ND	2.87			PCB-139/149	ND	1.25		
PCB-95/98/102	2.09			J	PCB-140	ND	1.97		
PCB-96	ND	2.25			PCB-141	ND	1.33		
PCB-97	ND	2.45			PCB-144	ND	1.79		
PCB-99	ND	2.08			PCB-145	ND	1.40		
PCB-100	ND	2.55			PCB-146/165	ND	1.22		
PCB-103	ND	2.54			PCB-147	ND	1.97		
PCB-104	ND	1.94			PCB-148	ND	1.88		
PCB-105	ND		0.679		PCB-150	ND	1.36		
PCB-106/118	1.11			J	PCB-151	ND	1.88		
PCB-107/109	ND	1.62			PCB-152	ND	1.31		
PCB-108/112	ND	2.26			PCB-153	ND		0.864	
PCB-110	1.56			J	PCB-154	ND	1.72		
PCB-111/115	ND	1.71			PCB-155	ND	1.28		
PCB-113	ND	1.94			PCB-156	ND	0.970		
PCB-114	ND	1.27			PCB-157	ND	1.01		
PCB-119	ND	1.69			PCB-158/160	ND	1.01		
PCB-120	ND	1.60			PCB-159	ND	0.952		
PCB-121	ND	1.84			PCB-166	ND	1.02		
PCB-122	ND	1.52			PCB-167	ND	0.980		
PCB-123	ND	1.73			PCB-168	ND	0.974		
PCB-124	ND	1.66			PCB-169	ND	1.01		
PCB-126	ND	1.42			PCB-170	ND	0.955		
PCB-127	ND	1.34			PCB-171	ND	0.896		
PCB-128/162	ND	1.13			PCB-172	ND	0.964		
PCB-129	ND	1.51			PCB-173	ND	1.18		
PCB-130	ND	1.68			PCB-174	ND	1.01		
PCB-131	ND	1.56			PCB-175	ND	1.18		
PCB-132/161	ND	1.18			PCB-176	ND	0.848		
PCB-133/142	ND	1.45			PCB-177	ND	1.03		
PCB-134/143	ND	1.42			PCB-178	ND	1.15		
PCB-135	ND	1.93			PCB-179	ND	0.887		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-01
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 9:50			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 17:33
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.901			Total octaCB	0.787			
PCB-181	ND	0.967			Total nonaCB	ND	1.07		
PCB-182/187	ND	1.09			DecaCB	ND	0.958		
PCB-183	ND	1.01			Total PCB	481			B
PCB-184	ND	0.922							
PCB-185	ND	0.929							
PCB-186	ND	0.847							
PCB-188	ND	0.811							
PCB-189	ND	0.600							
PCB-190	ND	0.710							
PCB-191	ND	0.701							
PCB-192	ND	0.751							
PCB-193	ND	0.705							
PCB-194	0.787			J					
PCB-195	ND	0.890							
PCB-196/203	ND	1.68							
PCB-197	ND	1.20							
PCB-198	ND	1.85							
PCB-199	ND	1.88							
PCB-200	ND	1.35							
PCB-201	ND	1.27							
PCB-202	ND	1.37							
PCB-204	ND	1.30							
PCB-205	ND	0.630							
PCB-206	ND	1.07							
PCB-207	ND	0.766							
PCB-208	ND	0.776							
PCB-209	ND	0.958							
Total monoCB	27.7		28.8						
Total diCB	150			B					
Total triCB	232								
Total tetraCB	63.2		64.6						
Total pentaCB	7.14		7.82						
Total hexaCB	ND		1.62						
Total heptaCB	ND	1.18							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-01
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 9:50			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 17:33
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	49.4	5 -145		13C-PCB-170	88.6	10 -145	
13C-PCB-3	52.8	5 -145		13C-PCB-180	89.1	10 -145	
13C-PCB-4	56.1	5 -145		13C-PCB-188	71.8	10 -145	
13C-PCB-11	64.9	5 -145		13C-PCB-189	96.0	10 -145	
13C-PCB-9	58.0	5 -145		13C-PCB-194	84.4	10 -145	
13C-PCB-19	60.7	5 -145		13C-PCB-202	83.7	10 -145	
13C-PCB-28	69.4	5 -145		13C-PCB-206	98.2	10 -145	
13C-PCB-32	64.4	5 -145		13C-PCB-208	80.3	10 -145	
13C-PCB-37	72.0	5 -145		13C-PCB-209	102	10 -145	
13C-PCB-47	68.0	5 -145		CRS 13C-PCB-79	96.2	10 -145	
13C-PCB-52	63.1	5 -145		13C-PCB-178	101	10 -145	
13C-PCB-54	65.8	5 -145					
13C-PCB-70	72.5	5 -145					
13C-PCB-77	82.9	10 -145					
13C-PCB-80	75.8	10 -145					
13C-PCB-81	82.5	10 -145					
13C-PCB-95	75.5	10 -145					
13C-PCB-97	83.6	10 -145					
13C-PCB-101	81.2	10 -145					
13C-PCB-104	67.6	10 -145					
13C-PCB-105	96.8	10 -145					
13C-PCB-114	89.8	10 -145					
13C-PCB-118	88.9	10 -145					
13C-PCB-123	91.6	10 -145					
13C-PCB-126	96.0	10 -145					
13C-PCB-127	95.6	10 -145					
13C-PCB-138	89.9	10 -145					
13C-PCB-141	86.6	10 -145					
13C-PCB-153	83.8	10 -145					
13C-PCB-155	74.4	10 -145					
13C-PCB-156	90.4	10 -145					
13C-PCB-157	87.4	10 -145					
13C-PCB-159	88.9	10 -145					
13C-PCB-167	91.3	10 -145					
13C-PCB-169	95.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-02	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond	Sample Size:	1.01 L	QC Batch:	B6B0038	Date Extracted:	09-Feb-2016 8:45
Date Collected:	03-Feb-2016 11:45			Date Analyzed:	11-Feb-16 18:38	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	13.7				PCB-44	3.60			J
PCB-2	ND		0.713		PCB-45	ND	1.01		
PCB-3	4.00			J	PCB-46	ND	1.11		
PCB-4/10	26.3				PCB-47	1.64			J
PCB-5/8	42.3				PCB-48/75	ND		0.773	
PCB-6	8.51				PCB-50	ND	1.02		
PCB-7/9	ND	3.00			PCB-51	ND	0.903		
PCB-11	5.26			B	PCB-52/69	3.44			J
PCB-12/13	ND	3.01			PCB-53	0.741			J
PCB-14	ND	2.59			PCB-54	ND	0.778		
PCB-15	6.46				PCB-55	ND	0.657		
PCB-16/32	15.2				PCB-56/60	1.24			J
PCB-17	8.34				PCB-57	ND	0.680		
PCB-18	24.2				PCB-58	ND	0.670		
PCB-19	3.77			J	PCB-61/70	ND		1.19	
PCB-20/21/33	9.49			J	PCB-62	ND	0.820		
PCB-22	4.66			J	PCB-63	ND	0.655		
PCB-23	ND	0.798			PCB-65	ND	0.845		
PCB-24/27	1.97			J	PCB-66/76	ND		1.56	
PCB-25	ND		1.11		PCB-67	ND	0.698		
PCB-26	2.21			J	PCB-68	ND	0.691		
PCB-28	10.9				PCB-73	ND	0.743		
PCB-29	ND	0.798			PCB-74	ND		0.660	
PCB-30	ND	0.639			PCB-77	ND	0.630		
PCB-31	10.8				PCB-78	ND	0.627		
PCB-34	ND	0.742			PCB-79	ND	0.697		
PCB-35	ND	0.838			PCB-80	ND	0.611		
PCB-36	ND	0.810			PCB-81	ND	0.573		
PCB-37	1.47			J	PCB-82	ND	2.41		
PCB-38	ND	0.848			PCB-83	ND	1.62		
PCB-39	ND	0.835			PCB-84/92	ND	2.14		
PCB-40	ND	1.30			PCB-85/116	ND	1.93		
PCB-41/64/71/72	2.45			J	PCB-86	ND	2.61		
PCB-42/59	ND		1.17		PCB-87/117/125	ND	1.69		
PCB-43/49	ND		2.17		PCB-88/91	ND	2.32		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data					
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-02	Date Received:	04-Feb-2016 9:53		
Project:	Stiller Pond	Sample Size:	1.01 L	QC Batch:	B6B0038	Date Extracted:	09-Feb-2016 8:45		
Date Collected:	03-Feb-2016 11:45			Date Analyzed :	11-Feb-16 18:38	Column:	ZB-1	Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.30			PCB-136	ND	1.21		
PCB-90/101	ND	1.90			PCB-137	ND	1.41		
PCB-93	ND	2.46			PCB-138/163/164	0.624			J
PCB-94	ND	2.31			PCB-139/149	ND	1.59		
PCB-95/98/102	ND		0.990		PCB-140	ND	1.78		
PCB-96	ND	1.76			PCB-141	ND	1.44		
PCB-97	ND	2.08			PCB-144	ND	1.62		
PCB-99	ND	1.84			PCB-145	ND	1.27		
PCB-100	ND	2.00			PCB-146/165	ND	1.34		
PCB-103	ND	1.99			PCB-147	ND	1.78		
PCB-104	ND	1.52			PCB-148	ND	1.69		
PCB-105	ND	1.26			PCB-150	ND	1.23		
PCB-106/118	ND		0.644		PCB-151	ND	1.69		
PCB-107/109	ND	1.34			PCB-152	ND	1.18		
PCB-108/112	ND	1.92			PCB-153	0.628			J
PCB-110	ND		0.842		PCB-154	ND	1.55		
PCB-111/115	ND	1.45			PCB-155	ND	1.15		
PCB-113	ND	1.71			PCB-156	ND	1.03		
PCB-114	ND	1.29			PCB-157	ND	1.09		
PCB-119	ND	1.43			PCB-158/160	ND	1.10		
PCB-120	ND	1.36			PCB-159	ND	1.05		
PCB-121	ND	1.48			PCB-166	ND	1.12		
PCB-122	ND	1.53			PCB-167	ND	1.08		
PCB-123	ND	1.43			PCB-168	ND	1.07		
PCB-124	ND	1.37			PCB-169	ND	1.12		
PCB-126	ND	1.45			PCB-170	ND	1.06		
PCB-127	ND	1.39			PCB-171	ND	1.09		
PCB-128/162	ND	1.24			PCB-172	ND	1.17		
PCB-129	ND	1.64			PCB-173	ND	1.44		
PCB-130	ND	1.81			PCB-174	ND	1.23		
PCB-131	ND	1.72			PCB-175	ND	1.43		
PCB-132/161	ND	1.30			PCB-176	ND	1.03		
PCB-133/142	ND	1.60			PCB-177	ND	1.25		
PCB-134/143	ND	1.56			PCB-178	ND	1.39		
PCB-135	ND	1.74			PCB-179	ND	1.07		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-02
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:45			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 18:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.09			Total octaCB	ND	2.12		
PCB-181	ND	1.18			Total nonaCB	ND	0.962		
PCB-182/187	ND	1.31			DecaCB	ND	0.442		
PCB-183	ND	1.22			Total PCB	214			B
PCB-184	ND	1.12							
PCB-185	ND	1.13							
PCB-186	ND	1.03							
PCB-188	ND	0.981							
PCB-189	ND	0.692							
PCB-190	ND	0.788							
PCB-191	ND	0.852							
PCB-192	ND	0.912							
PCB-193	ND	0.856							
PCB-194	ND	0.650							
PCB-195	ND	0.737							
PCB-196/203	ND	1.90							
PCB-197	ND	1.35							
PCB-198	ND	2.09							
PCB-199	ND	2.12							
PCB-200	ND	1.52							
PCB-201	ND	1.44							
PCB-202	ND	1.54							
PCB-204	ND	1.46							
PCB-205	ND	0.522							
PCB-206	ND	0.962							
PCB-207	ND	0.696							
PCB-208	ND	0.706							
PCB-209	ND	0.442							
Total monoCB	17.7		18.4						
Total diCB	88.8			B					
Total triCB	93.0		94.1						
Total tetraCB	13.1		20.6						
Total pentaCB	ND		2.48						
Total hexaCB	1.25								
Total heptaCB	ND	1.44							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-02
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:45			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 18:38
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	62.4	5 -145		13C-PCB-170	101	10 -145	
13C-PCB-3	63.6	5 -145		13C-PCB-180	98.8	10 -145	
13C-PCB-4	66.4	5 -145		13C-PCB-188	80.8	10 -145	
13C-PCB-11	75.8	5 -145		13C-PCB-189	107	10 -145	
13C-PCB-9	69.2	5 -145		13C-PCB-194	86.0	10 -145	
13C-PCB-19	72.1	5 -145		13C-PCB-202	94.9	10 -145	
13C-PCB-28	80.5	5 -145		13C-PCB-206	98.8	10 -145	
13C-PCB-32	79.4	5 -145		13C-PCB-208	80.7	10 -145	
13C-PCB-37	91.6	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	87.5	5 -145		CRS 13C-PCB-79	99.5	10 -145	
13C-PCB-52	98.1	5 -145		13C-PCB-178	102	10 -145	
13C-PCB-54	85.4	5 -145					
13C-PCB-70	102	5 -145					
13C-PCB-77	103	10 -145					
13C-PCB-80	96.9	10 -145					
13C-PCB-81	107	10 -145					
13C-PCB-95	85.3	10 -145					
13C-PCB-97	92.8	10 -145					
13C-PCB-101	90.9	10 -145					
13C-PCB-104	81.3	10 -145					
13C-PCB-105	104	10 -145					
13C-PCB-114	101	10 -145					
13C-PCB-118	99.4	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	106	10 -145					
13C-PCB-138	99.1	10 -145					
13C-PCB-141	97.8	10 -145					
13C-PCB-153	95.7	10 -145					
13C-PCB-155	85.6	10 -145					
13C-PCB-156	103	10 -145					
13C-PCB-157	97.5	10 -145					
13C-PCB-159	99.9	10 -145					
13C-PCB-167	101	10 -145					
13C-PCB-169	107	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-03
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 12:45			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 19:43
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	17.1				PCB-44	ND		2.84	
PCB-2	ND	1.26			PCB-45	ND		1.22	
PCB-3	ND		4.87		PCB-46	ND	1.82		
PCB-4/10	33.6				PCB-47	ND		1.93	
PCB-5/8	53.7				PCB-48/75	1.08			J
PCB-6	10.4				PCB-50	ND	1.58		
PCB-7/9	ND	4.15			PCB-51	ND		0.823	
PCB-11	9.56			B	PCB-52/69	4.23			J
PCB-12/13	ND	3.96			PCB-53	ND		1.20	
PCB-14	ND	3.41			PCB-54	ND	1.20		
PCB-15	7.90				PCB-55	ND	0.983		
PCB-16/32	19.7				PCB-56/60	1.32			J
PCB-17	10.2				PCB-57	ND	1.12		
PCB-18	29.7				PCB-58	ND	1.11		
PCB-19	4.46			J	PCB-61/70	2.54			J
PCB-20/21/33	13.4			J	PCB-62	ND	1.26		
PCB-22	5.88				PCB-63	ND	1.08		
PCB-23	ND	1.25			PCB-65	ND	1.30		
PCB-24/27	2.10			J	PCB-66/76	ND		1.06	
PCB-25	ND	1.38			PCB-67	ND	1.15		
PCB-26	3.49			J	PCB-68	ND	1.07		
PCB-28	12.4				PCB-73	ND	1.22		
PCB-29	ND	1.25			PCB-74	1.04			J
PCB-30	ND	0.771			PCB-77	ND	0.925		
PCB-31	16.7				PCB-78	ND	0.993		
PCB-34	ND	1.16			PCB-79	ND	1.04		
PCB-35	ND	1.12			PCB-80	ND	0.913		
PCB-36	ND	1.08			PCB-81	ND	0.906		
PCB-37	1.74			J	PCB-82	ND	2.03		
PCB-38	ND	1.13			PCB-83	ND	1.30		
PCB-39	ND	1.11			PCB-84/92	ND	1.78		
PCB-40	ND	2.00			PCB-85/116	ND	1.55		
PCB-41/64/71/72	ND		2.28		PCB-86	ND	2.08		
PCB-42/59	1.24			J	PCB-87/117/125	ND	1.35		
PCB-43/49	2.72			J	PCB-88/91	ND	2.01		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-03
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 12:45			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 19:43
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.92			PCB-136	ND	1.84		
PCB-90/101	ND	1.58			PCB-137	ND	1.58		
PCB-93	ND	2.12			PCB-138/163/164	ND		0.720	
PCB-94	ND	1.99			PCB-139/149	ND	2.42		
PCB-95/98/102	ND	1.75			PCB-140	ND	2.71		
PCB-96	ND	1.62			PCB-141	ND	1.60		
PCB-97	ND	1.66			PCB-144	ND	2.46		
PCB-99	ND	1.53			PCB-145	ND	1.93		
PCB-100	ND	1.84			PCB-146/165	ND	1.51		
PCB-103	ND	1.83			PCB-147	ND	2.70		
PCB-104	ND	1.41			PCB-148	ND	2.58		
PCB-105	ND	1.42			PCB-150	ND	1.87		
PCB-106/118	ND		0.890		PCB-151	ND	2.58		
PCB-107/109	ND	1.13			PCB-152	ND	1.80		
PCB-108/112	ND	1.53			PCB-153	ND	1.36		
PCB-110	1.40			J	PCB-154	ND	2.37		
PCB-111/115	ND	1.16			PCB-155	ND	1.76		
PCB-113	ND	1.43			PCB-156	ND	1.12		
PCB-114	ND	1.42			PCB-157	ND	1.18		
PCB-119	ND	1.15			PCB-158/160	ND	1.21		
PCB-120	ND	1.08			PCB-159	ND	1.20		
PCB-121	ND	1.28			PCB-166	ND	1.28		
PCB-122	ND	1.69			PCB-167	ND	1.15		
PCB-123	ND	1.20			PCB-168	ND	1.20		
PCB-124	ND	1.16			PCB-169	ND	1.25		
PCB-126	ND	1.56			PCB-170	ND	1.08		
PCB-127	ND	1.63			PCB-171	ND	1.07		
PCB-128/162	ND	1.42			PCB-172	ND	1.16		
PCB-129	ND	1.81			PCB-173	ND	1.42		
PCB-130	ND	2.02			PCB-174	ND	1.21		
PCB-131	ND	1.93			PCB-175	ND	1.43		
PCB-132/161	ND	1.46			PCB-176	ND	1.03		
PCB-133/142	ND	1.80			PCB-177	ND	1.24		
PCB-134/143	ND	1.75			PCB-178	ND	1.40		
PCB-135	ND	2.64			PCB-179	ND	1.08		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-03
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 12:45			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 19:43
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.08			Total octaCB	ND		0.658	
PCB-181	ND	1.16			Total nonaCB	ND		1.18	
PCB-182/187	ND	1.32			DecaCB	ND		0.481	
PCB-183	ND	1.23			Total PCB	268			B
PCB-184	ND	1.12							
PCB-185	ND	1.11							
PCB-186	ND	1.03							
PCB-188	ND	0.986							
PCB-189	ND	0.672							
PCB-190	ND	0.804							
PCB-191	ND	0.840							
PCB-192	ND	0.900							
PCB-193	ND	0.845							
PCB-194	ND		0.658						
PCB-195	ND	1.00							
PCB-196/203	ND	1.73							
PCB-197	ND	1.23							
PCB-198	ND	1.91							
PCB-199	ND	1.94							
PCB-200	ND	1.39							
PCB-201	ND	1.31							
PCB-202	ND	1.41							
PCB-204	ND	1.34							
PCB-205	ND	0.708							
PCB-206	ND	1.18							
PCB-207	ND	0.823							
PCB-208	ND	0.834							
PCB-209	ND	0.481							
Total monoCB	17.1		22.0						
Total diCB	115			B					
Total triCB	120								
Total tetraCB	14.2		25.5						
Total pentaCB	1.40		2.29						
Total hexaCB	ND		0.720						
Total heptaCB	ND	1.43							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-03
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 12:45			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 19:43
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	53.4	5 -145		13C-PCB-170	93.3	10 -145	
13C-PCB-3	56.7	5 -145		13C-PCB-180	93.3	10 -145	
13C-PCB-4	59.4	5 -145		13C-PCB-188	74.6	10 -145	
13C-PCB-11	64.4	5 -145		13C-PCB-189	99.2	10 -145	
13C-PCB-9	57.5	5 -145		13C-PCB-194	85.6	10 -145	
13C-PCB-19	61.7	5 -145		13C-PCB-202	92.6	10 -145	
13C-PCB-28	58.0	5 -145		13C-PCB-206	98.2	10 -145	
13C-PCB-32	65.5	5 -145		13C-PCB-208	79.4	10 -145	
13C-PCB-37	77.8	5 -145		13C-PCB-209	101	10 -145	
13C-PCB-47	75.7	5 -145		CRS 13C-PCB-79	111	10 -145	
13C-PCB-52	79.2	5 -145		13C-PCB-178	97.3	10 -145	
13C-PCB-54	74.8	5 -145					
13C-PCB-70	80.6	5 -145					
13C-PCB-77	93.4	10 -145					
13C-PCB-80	83.7	10 -145					
13C-PCB-81	93.8	10 -145					
13C-PCB-95	76.2	10 -145					
13C-PCB-97	89.2	10 -145					
13C-PCB-101	83.6	10 -145					
13C-PCB-104	68.9	10 -145					
13C-PCB-105	94.7	10 -145					
13C-PCB-114	93.0	10 -145					
13C-PCB-118	94.4	10 -145					
13C-PCB-123	94.6	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	92.7	10 -145					
13C-PCB-138	95.5	10 -145					
13C-PCB-141	91.4	10 -145					
13C-PCB-153	88.8	10 -145					
13C-PCB-155	74.8	10 -145					
13C-PCB-156	98.0	10 -145					
13C-PCB-157	93.6	10 -145					
13C-PCB-159	93.4	10 -145					
13C-PCB-167	97.7	10 -145					
13C-PCB-169	101	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-04
Project:	Stiller Pond	Sample Size:	0.999 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 13:20			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 20:48
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	16.3				PCB-44	3.01			J
PCB-2	ND		0.982		PCB-45	ND	2.09		
PCB-3	4.40			J	PCB-46	ND	2.29		
PCB-4/10	27.6				PCB-47	ND		2.96	
PCB-5/8	52.7				PCB-48/75	ND	1.62		
PCB-6	10.1				PCB-50	ND	2.10		
PCB-7/9	ND	4.75			PCB-51	ND	1.87		
PCB-11	8.36			B	PCB-52/69	ND		2.02	
PCB-12/13	ND	4.89			PCB-53	ND	1.91		
PCB-14	ND	4.22			PCB-54	ND	1.59		
PCB-15	7.67				PCB-55	ND	1.07		
PCB-16/32	17.6				PCB-56/60	1.22			J
PCB-17	9.41				PCB-57	ND	1.14		
PCB-18	26.6				PCB-58	ND	1.12		
PCB-19	5.02				PCB-61/70	1.60			J
PCB-20/21/33	10.3			J	PCB-62	ND	1.58		
PCB-22	5.30				PCB-63	ND	1.10		
PCB-23	ND	1.22			PCB-65	ND	1.63		
PCB-24/27	1.98			J	PCB-66/76	1.41			J
PCB-25	ND		1.01		PCB-67	ND	1.17		
PCB-26	2.94			J	PCB-68	ND	1.33		
PCB-28	12.5				PCB-73	ND	1.54		
PCB-29	ND	1.22			PCB-74	ND		0.638	
PCB-30	ND	0.856			PCB-77	ND	1.00		
PCB-31	11.4				PCB-78	ND	1.13		
PCB-34	ND	1.14			PCB-79	ND	1.13		
PCB-35	ND	1.31			PCB-80	ND	0.992		
PCB-36	ND	1.26			PCB-81	ND	1.03		
PCB-37	1.47			J	PCB-82	ND	2.17		
PCB-38	ND	1.32			PCB-83	ND	1.38		
PCB-39	ND	1.30			PCB-84/92	ND	1.93		
PCB-40	ND	2.50			PCB-85/116	ND	1.65		
PCB-41/64/71/72	ND		2.54		PCB-86	ND	2.23		
PCB-42/59	ND		1.21		PCB-87/117/125	ND	1.45		
PCB-43/49	2.70			J	PCB-88/91	ND	2.23		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-04
Project:	Stiller Pond	Sample Size:	0.999 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 13:20			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 20:48
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.08			PCB-136	ND	1.05		
PCB-90/101	ND	1.16			PCB-137	ND	1.89		
PCB-93	ND	2.36			PCB-138/163/164	ND	1.49		
PCB-94	ND	2.22			PCB-139/149	ND	1.38		
PCB-95/98/102	ND	1.95			PCB-140	ND	1.55		
PCB-96	ND	1.94			PCB-141	ND	1.92		
PCB-97	ND	1.77			PCB-144	ND	1.41		
PCB-99	ND	1.66			PCB-145	ND	1.10		
PCB-100	ND	2.20			PCB-146/165	ND	1.63		
PCB-103	ND	2.19			PCB-147	ND	1.54		
PCB-104	ND	1.68			PCB-148	ND	1.47		
PCB-105	ND	0.775			PCB-150	ND	1.07		
PCB-106/118	ND	0.840			PCB-151	ND	1.47		
PCB-107/109	ND	1.21			PCB-152	ND	1.03		
PCB-108/112	ND	1.64			PCB-153	ND	1.47		
PCB-110	ND	0.912			PCB-154	ND	1.35		
PCB-111/115	ND	1.24			PCB-155	ND	1.00		
PCB-113	ND	1.54			PCB-156	ND	1.27		
PCB-114	ND	0.831			PCB-157	ND	1.25		
PCB-119	ND	1.22			PCB-158/160	ND	1.39		
PCB-120	ND	1.16			PCB-159	ND	1.37		
PCB-121	ND	1.43			PCB-166	ND	1.46		
PCB-122	ND	0.989			PCB-167	ND	1.30		
PCB-123	ND	1.29			PCB-168	ND	1.30		
PCB-124	ND	1.23			PCB-169	ND	1.40		
PCB-126	ND	0.885			PCB-170	ND	1.21		
PCB-127	ND	0.878			PCB-171	ND	1.24		
PCB-128/162	ND	1.61			PCB-172	ND	1.34		
PCB-129	ND	2.08			PCB-173	ND	1.64		
PCB-130	ND	2.42			PCB-174	ND	1.40		
PCB-131	ND	2.08			PCB-175	ND	1.57		
PCB-132/161	ND	1.57			PCB-176	ND	1.13		
PCB-133/142	ND	1.93			PCB-177	ND	1.43		
PCB-134/143	ND	1.89			PCB-178	ND	1.53		
PCB-135	ND	1.51			PCB-179	ND	1.18		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-04
Project:	Stiller Pond	Sample Size:	0.999 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 13:20			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 20:48
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.25			Total octaCB	ND		0.556	
PCB-181	ND	1.34			Total nonaCB	ND	1.01		
PCB-182/187	ND	1.44			DecaCB	ND	0.541		
PCB-183	ND	1.34			Total PCB	242			B
PCB-184	ND	1.23							
PCB-185	ND	1.29							
PCB-186	ND	1.13							
PCB-188	ND	1.08							
PCB-189	ND	0.791							
PCB-190	ND	0.896							
PCB-191	ND	0.971							
PCB-192	ND	1.04							
PCB-193	ND	0.976							
PCB-194	ND		0.556						
PCB-195	ND	0.999							
PCB-196/203	ND	2.35							
PCB-197	ND	1.67							
PCB-198	ND	2.58							
PCB-199	ND	2.63							
PCB-200	ND	1.88							
PCB-201	ND	1.78							
PCB-202	ND	1.91							
PCB-204	ND	1.81							
PCB-205	ND	0.707							
PCB-206	ND	1.01							
PCB-207	ND	0.707							
PCB-208	ND	0.717							
PCB-209	ND	0.541							
Total monoCB	20.7		21.7						
Total diCB	106			B					
Total triCB	105		106						
Total tetraCB	9.93		19.3						
Total pentaCB	ND	2.36							
Total hexaCB	ND	2.42							
Total heptaCB	ND	1.64							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: GW-147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-04
Project:	Stiller Pond	Sample Size:	0.999 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 13:20			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 20:48
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	48.1	5 -145		13C-PCB-170	93.4	10 -145	
13C-PCB-3	49.5	5 -145		13C-PCB-180	90.9	10 -145	
13C-PCB-4	50.5	5 -145		13C-PCB-188	73.9	10 -145	
13C-PCB-11	58.5	5 -145		13C-PCB-189	96.4	10 -145	
13C-PCB-9	50.7	5 -145		13C-PCB-194	82.6	10 -145	
13C-PCB-19	54.6	5 -145		13C-PCB-202	83.0	10 -145	
13C-PCB-28	62.5	5 -145		13C-PCB-206	96.6	10 -145	
13C-PCB-32	60.2	5 -145		13C-PCB-208	80.7	10 -145	
13C-PCB-37	69.9	5 -145		13C-PCB-209	101	10 -145	
13C-PCB-47	64.1	5 -145		CRS 13C-PCB-79	93.9	10 -145	
13C-PCB-52	66.2	5 -145		13C-PCB-178	91.5	10 -145	
13C-PCB-54	60.6	5 -145					
13C-PCB-70	82.7	5 -145					
13C-PCB-77	91.3	10 -145					
13C-PCB-80	81.8	10 -145					
13C-PCB-81	86.8	10 -145					
13C-PCB-95	77.8	10 -145					
13C-PCB-97	88.3	10 -145					
13C-PCB-101	86.4	10 -145					
13C-PCB-104	66.2	10 -145					
13C-PCB-105	99.9	10 -145					
13C-PCB-114	93.3	10 -145					
13C-PCB-118	93.9	10 -145					
13C-PCB-123	96.0	10 -145					
13C-PCB-126	107	10 -145					
13C-PCB-127	98.8	10 -145					
13C-PCB-138	89.6	10 -145					
13C-PCB-141	86.5	10 -145					
13C-PCB-153	90.7	10 -145					
13C-PCB-155	78.2	10 -145					
13C-PCB-156	95.4	10 -145					
13C-PCB-157	94.3	10 -145					
13C-PCB-159	91.9	10 -145					
13C-PCB-167	97.6	10 -145					
13C-PCB-169	100	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-05
Project:	Stiller Pond	Sample Size:	0.989 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:30			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 21:53
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	2.69			PCB-44	ND		2.37	
PCB-2	ND	2.50			PCB-45	ND	1.98		
PCB-3	ND	2.49			PCB-46	ND	2.17		
PCB-4/10	ND	5.27			PCB-47	7.73			
PCB-5/8	ND	3.79			PCB-48/75	ND	1.53		
PCB-6	ND	3.89			PCB-50	ND	1.88		
PCB-7/9	ND	3.84			PCB-51	ND		2.25	
PCB-11	6.20			B	PCB-52/69	1.55			J
PCB-12/13	ND	3.72			PCB-53	ND	1.81		
PCB-14	ND	3.21			PCB-54	ND	1.42		
PCB-15	ND	3.28			PCB-55	ND	0.994		
PCB-16/32	1.93			J	PCB-56/60	ND		0.776	
PCB-17	ND	1.25			PCB-57	ND	1.20		
PCB-18	ND		2.48		PCB-58	ND	1.18		
PCB-19	ND	1.24			PCB-61/70	1.40			J
PCB-20/21/33	ND	0.959			PCB-62	ND	1.49		
PCB-22	0.853			J	PCB-63	ND	1.15		
PCB-23	ND	0.917			PCB-65	ND	1.54		
PCB-24/27	ND	0.713			PCB-66/76	ND	1.14		
PCB-25	ND	1.01			PCB-67	ND	1.23		
PCB-26	ND	0.897			PCB-68	1.97			J
PCB-28	1.75			J	PCB-73	ND	1.46		
PCB-29	ND	0.918			PCB-74	ND	1.11		
PCB-30	ND	0.781			PCB-77	ND	1.01		
PCB-31	1.85			J	PCB-78	ND	1.07		
PCB-34	ND	0.853			PCB-79	ND	1.05		
PCB-35	ND	1.00			PCB-80	ND	0.924		
PCB-36	ND	0.968			PCB-81	ND	0.978		
PCB-37	ND	0.933			PCB-82	ND	2.07		
PCB-38	ND	1.01			PCB-83	ND	1.37		
PCB-39	ND	0.998			PCB-84/92	ND	1.88		
PCB-40	ND	2.36			PCB-85/116	ND	1.63		
PCB-41/64/71/72	1.87			J	PCB-86	ND	2.20		
PCB-42/59	ND	1.64			PCB-87/117/125	ND	1.43		
PCB-43/49	ND	1.81			PCB-88/91	ND	2.16		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-05
Project:	Stiller Pond	Sample Size:	0.989 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:30			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 21:53
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.02			PCB-136	ND	1.45		
PCB-90/101	2.19			J	PCB-137	ND	1.46		
PCB-93	ND	2.28			PCB-138/163/164	ND		1.31	
PCB-94	ND	2.14			PCB-139/149	ND		1.56	
PCB-95/98/102	ND		1.54		PCB-140	ND	2.13		
PCB-96	ND	1.67			PCB-141	ND	1.48		
PCB-97	ND	1.75			PCB-144	ND	1.93		
PCB-99	ND	1.61			PCB-145	ND	1.51		
PCB-100	ND	1.89			PCB-146/165	ND	1.26		
PCB-103	ND	1.88			PCB-147	ND	2.12		
PCB-104	ND	1.44			PCB-148	ND	2.02		
PCB-105	ND	1.18			PCB-150	ND	1.47		
PCB-106/118	ND		0.746		PCB-151	ND	2.02		
PCB-107/109	ND	1.15			PCB-152	ND	1.41		
PCB-108/112	ND	1.61			PCB-153	ND		1.22	
PCB-110	1.82			J	PCB-154	ND	1.86		
PCB-111/115	ND	1.22			PCB-155	ND	1.38		
PCB-113	ND	1.50			PCB-156	ND	0.959		
PCB-114	ND	1.14			PCB-157	ND	0.997		
PCB-119	ND	1.21			PCB-158/160	ND	1.00		
PCB-120	ND	1.14			PCB-159	ND	0.972		
PCB-121	ND	1.38			PCB-166	ND	1.04		
PCB-122	ND	1.35			PCB-167	ND	1.03		
PCB-123	ND	1.23			PCB-168	ND	1.00		
PCB-124	ND	1.18			PCB-169	ND	1.15		
PCB-126	ND	1.41			PCB-170	ND	0.538		
PCB-127	ND	1.26			PCB-171	ND	0.850		
PCB-128/162	ND	1.15			PCB-172	ND	0.914		
PCB-129	ND	1.50			PCB-173	ND	1.12		
PCB-130	ND	1.86			PCB-174	ND	0.961		
PCB-131	ND	1.61			PCB-175	ND	0.986		
PCB-132/161	ND	1.22			PCB-176	ND	0.709		
PCB-133/142	ND	1.50			PCB-177	ND	0.977		
PCB-134/143	ND	1.46			PCB-178	ND	0.961		
PCB-135	ND	2.07			PCB-179	ND	0.742		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-05
Project:	Stiller Pond	Sample Size:	0.989 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:30			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 21:53
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.01			Total octaCB	ND	1.62		
PCB-181	ND	0.917			Total nonaCB	ND	1.00		
PCB-182/187	ND	0.909			DecaCB	ND	0.751		
PCB-183	ND	0.844			Total PCB	31.1			B
PCB-184	ND	0.772							
PCB-185	ND	0.881							
PCB-186	ND	0.709							
PCB-188	ND	0.679							
PCB-189	ND	0.548							
PCB-190	ND	0.633							
PCB-191	ND	0.665							
PCB-192	ND	0.712							
PCB-193	ND	0.669							
PCB-194	ND	1.05							
PCB-195	ND	0.876							
PCB-196/203	ND	1.45							
PCB-197	ND	1.03							
PCB-198	ND	1.59							
PCB-199	ND	1.62							
PCB-200	ND	1.16							
PCB-201	ND	1.09							
PCB-202	ND	1.18							
PCB-204	ND	1.12							
PCB-205	ND	0.620							
PCB-206	ND	1.00							
PCB-207	ND	0.693							
PCB-208	ND	0.703							
PCB-209	ND	0.751							
Total monoCB	ND	2.69							
Total diCB	6.20			B					
Total triCB	6.38		8.85						
Total tetraCB	14.5		19.9						
Total pentaCB	4.01		6.29						
Total hexaCB	ND		4.09						
Total heptaCB	ND	1.12							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-05
Project:	Stiller Pond	Sample Size:	0.989 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:30			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 21:53
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	50.0	5 -145		13C-PCB-170	92.5	10 -145	
13C-PCB-3	58.0	5 -145		13C-PCB-180	94.6	10 -145	
13C-PCB-4	57.3	5 -145		13C-PCB-188	83.6	10 -145	
13C-PCB-11	73.9	5 -145		13C-PCB-189	100	10 -145	
13C-PCB-9	66.2	5 -145		13C-PCB-194	80.2	10 -145	
13C-PCB-19	64.4	5 -145		13C-PCB-202	90.2	10 -145	
13C-PCB-28	68.8	5 -145		13C-PCB-206	93.7	10 -145	
13C-PCB-32	74.8	5 -145		13C-PCB-208	79.3	10 -145	
13C-PCB-37	73.8	5 -145		13C-PCB-209	98.5	10 -145	
13C-PCB-47	59.1	5 -145	I	CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	69.9	5 -145		13C-PCB-178	98.2	10 -145	
13C-PCB-54	65.5	5 -145					
13C-PCB-70	76.8	5 -145					
13C-PCB-77	91.8	10 -145					
13C-PCB-80	85.0	10 -145					
13C-PCB-81	88.3	10 -145					
13C-PCB-95	76.6	10 -145					
13C-PCB-97	87.1	10 -145					
13C-PCB-101	86.7	10 -145					
13C-PCB-104	72.4	10 -145					
13C-PCB-105	98.2	10 -145					
13C-PCB-114	99.4	10 -145					
13C-PCB-118	92.9	10 -145					
13C-PCB-123	97.1	10 -145					
13C-PCB-126	96.1	10 -145					
13C-PCB-127	103	10 -145					
13C-PCB-138	94.7	10 -145					
13C-PCB-141	89.0	10 -145					
13C-PCB-153	93.5	10 -145					
13C-PCB-155	88.2	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	93.6	10 -145					
13C-PCB-159	98.8	10 -145					
13C-PCB-167	97.7	10 -145					
13C-PCB-169	96.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Blank

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-06
Project:	Stiller Pond	Sample Size:	0.990 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:40			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 16:28
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.63			PCB-44	ND	1.43		
PCB-2	ND	2.79			PCB-45	ND	1.30		
PCB-3	ND	2.78			PCB-46	ND	1.42		
PCB-4/10	ND	6.16			PCB-47	4.01			J
PCB-5/8	ND	4.96			PCB-48/75	ND	0.939		
PCB-6	ND	5.10			PCB-50	ND	1.25		
PCB-7/9	ND	5.03			PCB-51	ND	1.16		
PCB-11	ND	3.34			PCB-52/69	0.989			J
PCB-12/13	ND	4.43			PCB-53	ND	1.19		
PCB-14	ND	3.82			PCB-54	ND	0.954		
PCB-15	ND	3.90			PCB-55	ND	0.692		
PCB-16/32	ND		0.993		PCB-56/60	ND	0.770		
PCB-17	ND	1.01			PCB-57	ND	0.819		
PCB-18	1.19			J	PCB-58	ND	0.806		
PCB-19	ND	1.25			PCB-61/70	ND	0.814		
PCB-20/21/33	ND	0.571			PCB-62	ND	0.917		
PCB-22	ND	0.942			PCB-63	ND	0.788		
PCB-23	ND	0.906			PCB-65	ND	0.946		
PCB-24/27	ND	0.742			PCB-66/76	ND	0.777		
PCB-25	ND	0.999			PCB-67	ND	0.840		
PCB-26	ND	0.886			PCB-68	0.930			J
PCB-28	ND	0.534			PCB-73	ND	0.958		
PCB-29	ND	0.906			PCB-74	ND	0.756		
PCB-30	ND	0.791			PCB-77	ND	0.695		
PCB-31	ND	0.876			PCB-78	ND	0.765		
PCB-34	ND	0.843			PCB-79	ND	0.735		
PCB-35	ND	0.901			PCB-80	ND	0.643		
PCB-36	ND	0.871			PCB-81	ND	0.699		
PCB-37	ND	0.839			PCB-82	ND	2.72		
PCB-38	ND	0.911			PCB-83	ND	1.67		
PCB-39	ND	0.897			PCB-84/92	ND	2.41		
PCB-40	ND	1.45			PCB-85/116	ND	1.99		
PCB-41/64/71/72	ND	0.931			PCB-86	ND	2.68		
PCB-42/59	ND	1.01			PCB-87/117/125	ND	1.74		
PCB-43/49	ND	1.19			PCB-88/91	ND	2.56		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Blank

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-06
Project:	Stiller Pond	Sample Size:	0.990 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:40			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 16:28
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.60			PCB-136	ND	1.53		
PCB-90/101	ND	1.10			PCB-137	ND	1.20		
PCB-93	ND	2.70			PCB-138/163/164	ND	0.704		
PCB-94	ND	2.54			PCB-139/149	ND		0.947	
PCB-95/98/102	ND	1.59			PCB-140	ND	2.25		
PCB-96	ND	2.13			PCB-141	ND	1.22		
PCB-97	ND	2.13			PCB-144	ND	2.04		
PCB-99	ND	2.07			PCB-145	ND	1.60		
PCB-100	ND	2.42			PCB-146/165	ND	1.11		
PCB-103	ND	2.41			PCB-147	ND	2.24		
PCB-104	ND	1.84			PCB-148	ND	2.14		
PCB-105	ND	0.922			PCB-150	ND	1.55		
PCB-106/118	ND		0.504		PCB-151	ND	2.14		
PCB-107/109	ND	1.51			PCB-152	ND	1.49		
PCB-108/112	ND	1.97			PCB-153	ND	0.695		
PCB-110	1.14			J	PCB-154	ND	1.96		
PCB-111/115	ND	1.49			PCB-155	ND	1.46		
PCB-113	ND	1.93			PCB-156	ND	0.798		
PCB-114	ND	1.05			PCB-157	ND	0.836		
PCB-119	ND	1.47			PCB-158/160	ND	0.949		
PCB-120	ND	1.39			PCB-159	ND	0.932		
PCB-121	ND	1.63			PCB-166	ND	0.998		
PCB-122	ND	1.25			PCB-167	ND	0.844		
PCB-123	ND	1.62			PCB-168	ND	0.885		
PCB-124	ND	1.55			PCB-169	ND	0.874		
PCB-126	ND	1.06			PCB-170	ND	0.730		
PCB-127	ND	1.10			PCB-171	ND	0.723		
PCB-128/162	ND	1.10			PCB-172	ND	0.777		
PCB-129	ND	1.42			PCB-173	ND	0.953		
PCB-130	ND	1.54			PCB-174	ND	0.817		
PCB-131	ND	1.42			PCB-175	ND	0.925		
PCB-132/161	ND	1.07			PCB-176	ND	0.665		
PCB-133/142	ND	1.32			PCB-177	ND	0.831		
PCB-134/143	ND	1.29			PCB-178	ND	0.901		
PCB-135	ND	2.19			PCB-179	ND	0.696		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Blank

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-06
Project:	Stiller Pond	Sample Size:	0.990 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:40			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 16:28
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.726			Total octaCB	ND		0.589	
PCB-181	ND	0.780			Total nonaCB	ND	0.789		
PCB-182/187	ND	0.852			DecaCB	ND	0.556		
PCB-183	ND	0.791			Total PCB	8.26			B
PCB-184	ND	0.723							
PCB-185	ND	0.749							
PCB-186	ND	0.664							
PCB-188	ND	0.636							
PCB-189	ND	0.496							
PCB-190	ND	0.542							
PCB-191	ND	0.565							
PCB-192	ND	0.606							
PCB-193	ND	0.568							
PCB-194	ND		0.589						
PCB-195	ND	0.645							
PCB-196/203	ND	1.34							
PCB-197	ND	0.950							
PCB-198	ND	1.47							
PCB-199	ND	1.49							
PCB-200	ND	1.07							
PCB-201	ND	1.01							
PCB-202	ND	1.09							
PCB-204	ND	1.03							
PCB-205	ND	0.456							
PCB-206	ND	0.789							
PCB-207	ND	0.588							
PCB-208	ND	0.596							
PCB-209	ND	0.556							
Total monoCB	ND	2.79							
Total diCB	ND	6.16							
Total triCB	1.19		2.19						
Total tetraCB	5.93								
Total pentaCB	1.14		1.64						
Total hexaCB	ND		0.947						
Total heptaCB	ND	0.953							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Blank

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-06
Project:	Stiller Pond	Sample Size:	0.990 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:40			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 16:28
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.5	5 -145		13C-PCB-170	106	10 -145	
13C-PCB-3	54.2	5 -145		13C-PCB-180	102	10 -145	
13C-PCB-4	57.6	5 -145		13C-PCB-188	80.7	10 -145	
13C-PCB-11	72.0	5 -145		13C-PCB-189	106	10 -145	
13C-PCB-9	58.1	5 -145		13C-PCB-194	94.2	10 -145	
13C-PCB-19	66.6	5 -145		13C-PCB-202	97.5	10 -145	
13C-PCB-28	88.5	5 -145		13C-PCB-206	118	10 -145	
13C-PCB-32	74.4	5 -145		13C-PCB-208	93.0	10 -145	
13C-PCB-37	99.1	5 -145		13C-PCB-209	116	10 -145	
13C-PCB-47	83.1	5 -145		CRS 13C-PCB-79	85.1	10 -145	
13C-PCB-52	78.8	5 -145		13C-PCB-178	91.5	10 -145	
13C-PCB-54	76.7	5 -145					
13C-PCB-70	88.5	5 -145					
13C-PCB-77	98.0	10 -145					
13C-PCB-80	91.4	10 -145					
13C-PCB-81	93.1	10 -145					
13C-PCB-95	87.9	10 -145					
13C-PCB-97	96.7	10 -145					
13C-PCB-101	92.1	10 -145					
13C-PCB-104	77.8	10 -145					
13C-PCB-105	108	10 -145					
13C-PCB-114	101	10 -145					
13C-PCB-118	101	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	114	10 -145					
13C-PCB-127	107	10 -145					
13C-PCB-138	93.9	10 -145					
13C-PCB-141	94.4	10 -145					
13C-PCB-153	91.7	10 -145					
13C-PCB-155	86.6	10 -145					
13C-PCB-156	105	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	95.3	10 -145					
13C-PCB-167	106	10 -145					
13C-PCB-169	110	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Duplicate

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Aqueous	Lab Sample:	1600091-07	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	1.01 L	QC Batch:	B6B0038	Date Extracted:	09-Feb-2016 8:45
Date Collected:	03-Feb-2016 10:10					Date Analyzed :	11-Feb-16 22:58 Column: ZB-1 Analyst: MAS	

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	18.8				PCB-44	5.88			
PCB-2	1.04			J	PCB-45	ND		1.13	
PCB-3	5.48				PCB-46	1.36			J
PCB-4/10	36.3				PCB-47	3.40			J
PCB-5/8	60.0				PCB-48/75	ND		1.07	
PCB-6	11.1				PCB-50	ND	1.07		
PCB-7/9	ND	3.26			PCB-51	ND		0.669	
PCB-11	5.69			B	PCB-52/69	5.14			J
PCB-12/13	ND	2.30			PCB-53	ND		2.14	
PCB-14	ND	1.98			PCB-54	ND	0.811		
PCB-15	10.8				PCB-55	ND	0.695		
PCB-16/32	25.9				PCB-56/60	2.29			J
PCB-17	14.6				PCB-57	ND	0.782		
PCB-18	39.4				PCB-58	ND	0.770		
PCB-19	6.17				PCB-61/70	ND		2.73	
PCB-20/21/33	19.3				PCB-62	ND	0.836		
PCB-22	10.1				PCB-63	ND	0.752		
PCB-23	ND	0.824			PCB-65	ND	0.862		
PCB-24/27	2.93			J	PCB-66/76	2.61			J
PCB-25	ND		1.65		PCB-67	ND	0.802		
PCB-26	4.75			J	PCB-68	ND	0.705		
PCB-28	19.0				PCB-73	ND	0.917		
PCB-29	ND	0.825			PCB-74	1.37			J
PCB-30	ND	0.469			PCB-77	ND	0.724		
PCB-31	15.6				PCB-78	ND	0.729		
PCB-34	ND	0.767			PCB-79	ND	0.738		
PCB-35	ND	0.861			PCB-80	ND	0.646		
PCB-36	ND	0.832			PCB-81	ND	0.665		
PCB-37	3.03			J	PCB-82	ND	3.04		
PCB-38	ND	0.871			PCB-83	ND	1.89		
PCB-39	ND	0.858			PCB-84/92	ND		0.702	
PCB-40	0.934			J	PCB-85/116	ND	2.26		
PCB-41/64/71/72	5.37			J	PCB-86	ND	3.05		
PCB-42/59	2.80			J	PCB-87/117/125	ND	1.98		
PCB-43/49	ND		4.39		PCB-88/91	ND	2.81		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Duplicate

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-07
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:10			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 22:58
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.86			PCB-136	ND	1.38		
PCB-90/101	1.57			J	PCB-137	ND	0.979		
PCB-93	ND	2.97			PCB-138/163/164	ND		0.951	
PCB-94	ND	2.79			PCB-139/149	ND	1.81		
PCB-95/98/102	ND		1.70		PCB-140	ND	2.03		
PCB-96	ND	2.23			PCB-141	ND	0.998		
PCB-97	ND	2.42			PCB-144	ND	1.84		
PCB-99	0.803			J	PCB-145	ND	1.44		
PCB-100	ND	2.53			PCB-146/165	ND	0.926		
PCB-103	ND	2.52			PCB-147	ND	2.03		
PCB-104	ND	1.93			PCB-148	ND	1.93		
PCB-105	ND	0.860			PCB-150	ND	1.40		
PCB-106/118	ND	1.67			PCB-151	ND	1.93		
PCB-107/109	ND	1.69			PCB-152	ND	1.35		
PCB-108/112	ND	2.24			PCB-153	ND	0.837		
PCB-110	ND		1.19		PCB-154	ND	1.77		
PCB-111/115	ND	1.69			PCB-155	ND	1.32		
PCB-113	ND	2.12			PCB-156	ND	0.685		
PCB-114	ND	0.941			PCB-157	ND	0.700		
PCB-119	ND	1.67			PCB-158/160	ND	0.742		
PCB-120	ND	1.58			PCB-159	ND	0.709		
PCB-121	ND	1.79			PCB-166	ND	0.758		
PCB-122	ND	1.12			PCB-167	ND	0.723		
PCB-123	ND	1.80			PCB-168	ND	0.738		
PCB-124	ND	1.73			PCB-169	ND	0.760		
PCB-126	ND	1.05			PCB-170	ND	0.679		
PCB-127	ND	0.995			PCB-171	ND	0.613		
PCB-128/162	ND	0.837			PCB-172	ND	0.660		
PCB-129	ND	1.11			PCB-173	ND	0.808		
PCB-130	ND	1.25			PCB-174	ND	0.693		
PCB-131	ND	1.18			PCB-175	ND	0.762		
PCB-132/161	ND	0.895			PCB-176	ND	0.548		
PCB-133/142	ND	1.10			PCB-177	ND	0.705		
PCB-134/143	ND	1.08			PCB-178	ND	0.742		
PCB-135	ND	1.98			PCB-179	ND	0.574		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Duplicate

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-07
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:10			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 22:58
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.616			Total octaCB	ND		0.679	
PCB-181	ND	0.662			Total nonaCB	ND		0.797	
PCB-182/187	ND	0.702			DecaCB	ND		0.530	
PCB-183	ND	0.652			Total PCB	344			B
PCB-184	ND	0.596							
PCB-185	ND	0.635							
PCB-186	ND	0.548							
PCB-188	ND	0.524							
PCB-189	ND	0.422							
PCB-190	ND	0.505							
PCB-191	ND	0.480							
PCB-192	ND	0.514							
PCB-193	ND	0.482							
PCB-194	ND		0.679						
PCB-195	ND	0.856							
PCB-196/203	ND	1.30							
PCB-197	ND	0.922							
PCB-198	ND	1.43							
PCB-199	ND	1.45							
PCB-200	ND	1.04							
PCB-201	ND	0.982							
PCB-202	ND	1.06							
PCB-204	ND	1.00							
PCB-205	ND	0.606							
PCB-206	ND	0.797							
PCB-207	ND	0.622							
PCB-208	ND	0.631							
PCB-209	ND	0.530							
Total monoCB	25.3								
Total diCB	124			B					
Total triCB	161		162						
Total tetraCB	31.2		43.3						
Total pentaCB	2.37		5.96						
Total hexaCB	ND		0.951						
Total heptaCB	ND	0.808							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: Field Duplicate

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600091-07
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:10			QC Batch:	B6B0038
				Date Analyzed:	11-Feb-16 22:58
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	71.9	5 -145		13C-PCB-170	87.2	10 -145	
13C-PCB-3	72.8	5 -145		13C-PCB-180	91.9	10 -145	
13C-PCB-4	75.0	5 -145		13C-PCB-188	76.1	10 -145	
13C-PCB-11	79.0	5 -145		13C-PCB-189	95.5	10 -145	
13C-PCB-9	75.1	5 -145		13C-PCB-194	91.3	10 -145	
13C-PCB-19	72.3	5 -145		13C-PCB-202	83.5	10 -145	
13C-PCB-28	87.2	5 -145		13C-PCB-206	106	10 -145	
13C-PCB-32	77.5	5 -145		13C-PCB-208	83.6	10 -145	
13C-PCB-37	91.1	5 -145		13C-PCB-209	111	10 -145	
13C-PCB-47	81.8	5 -145		CRS 13C-PCB-79	99.0	10 -145	
13C-PCB-52	76.4	5 -145		13C-PCB-178	99.8	10 -145	
13C-PCB-54	79.8	5 -145					
13C-PCB-70	85.1	5 -145					
13C-PCB-77	85.8	10 -145					
13C-PCB-80	81.7	10 -145					
13C-PCB-81	88.7	10 -145					
13C-PCB-95	82.9	10 -145					
13C-PCB-97	86.1	10 -145					
13C-PCB-101	84.9	10 -145					
13C-PCB-104	76.1	10 -145					
13C-PCB-105	98.9	10 -145					
13C-PCB-114	93.8	10 -145					
13C-PCB-118	90.6	10 -145					
13C-PCB-123	92.8	10 -145					
13C-PCB-126	97.5	10 -145					
13C-PCB-127	97.6	10 -145					
13C-PCB-138	90.5	10 -145					
13C-PCB-141	87.9	10 -145					
13C-PCB-153	85.1	10 -145					
13C-PCB-155	80.2	10 -145					
13C-PCB-156	93.8	10 -145					
13C-PCB-157	90.7	10 -145					
13C-PCB-159	92.5	10 -145					
13C-PCB-167	96.7	10 -145					
13C-PCB-169	98.6	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132016-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee department of Environmental Quality	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY Storage Secured Yes No

Laboratory Project ID: 1600091 Temp 0.4 °C

Storage ID WR-2

Project I.D.: STILLER Pond P.O.# _____ Sampler: STEVEN PATTEN
(Name)

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

Invoice to: Name CHRIS SHEETS Company WWSWC Address 810 S. MAIN City MELTON-FREEMAN State OR Zip 97862 Ph# _____ Fax# 541-935-2170

Relinquished by: (Signature and Printed Name) [Signature] Date: 2-3-16 Time: 14:10 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) UPS Date: _____ Time: _____ Received by: (Signature and Printed Name) B. Benedict Date: 02/04/16 Time: 0954

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

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 (916) 673-1520 • Fax (916) 673-0106		Method of Shipment: <u>UPS</u>		Add Analysis(es) Requested																		
ATTN: _____		Tracking No.: _____		Container(s)		EPA1613		EPA8290		EPA8280		EPA1668		EPA1614		CARB429						
Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
<u>FIELD BLANK</u>	<u>2-3-16</u>	<u>10:40</u>	<u>STILLER Pond</u>	<u>2</u>	<u>A AQ</u>																	
<u>FIELD DUPLICATE</u>	<u>2-3-16</u>	<u>10:10</u>	<u>STILLER Pond</u>	<u>2</u>	<u>A AQ</u>																	

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO: _____

Name: STEVEN PATTEN
Company: WWSWC
Address: 810 S. MAIN
City: MELTON-FREEMAN State: OR Zip: 97862
Phone: 541-938-2170 Fax: _____
Email: Steven.patten@wwswc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other

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

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

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600091 TAT Std

Samples Arrival:	Date/Time: 02/04/16 0953	Initials: VBSB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time: 02/04/16 1238	Initials: VBSB	Location: WR-2
			Shelf/Rack: A4
Delivered By:	FedEx	UPS	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	Ice	Blue Ice	Dry Ice
			None
Temp °C: -0.1 (uncorrected)	Time: 0958		Thermometer ID: IR-2
Temp °C: -0.7 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill 1 of 2	✓		
Trk # 1E62E3F70181855824	✓		
Sample Container Intact?			✓
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?			None
Shipping Container	Vista	Client	Retain
		Return	Dispose

Comments:

Sample labels: GW-147 A³B
 GW-146
 GW-136
 GW-145
 Mill Creek ↓

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600091 TAT 8td

Samples Arrival:	Date/Time 02/04/16 0953	Initials: VJB	Location: WR-2 NA			
Logged In:	Date/Time 02/04/16 1238	Initials: VJB	Location: WR-2 Shelf/Rack: A4			
Delivered By:	FedEx	<u>UPS</u>	On Trac	DHL	Hand Delivered	Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice	None		
Temp °C: 1.0 (uncorrected)	Time: 0955	Thermometer ID: IR-2				
Temp °C: 0.4 (corrected)						

	YES	NO	NA		
Adequate Sample Volume Received?	✓				
Holding Time Acceptable?	✓				
Shipping Container(s) Intact?	✓				
Shipping Custody Seals Intact?	✓				
Shipping Documentation Present?	✓				
Airbill 2 of 2	✓				
Trk # 1Z62E3F70181851628					
Sample Container Intact?	✓				
Sample Custody Seals Intact?			✓		
Chain of Custody / Sample Documentation Present?	✓				
COC Anomaly/Sample Acceptance Form completed?		✓			
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓		
Na ₂ S ₂ O ₃ Preservation Documented?			<u>None</u>		
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>	Return	Dispose

Comments:

March 01, 2016

Vista Work Order No. 1600092

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

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 04, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1600092

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1668C

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

Holding Times

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

Quality Control

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

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

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1600092-01	Soil #1	03-Feb-16 09:55	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-02	Soil #2	03-Feb-16 10:00	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-03	Soil #3	03-Feb-16 10:12	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-04	Soil #4	03-Feb-16 10:17	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-05	Soil #5	03-Feb-16 10:27	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-06	Soil #6	03-Feb-16 10:32	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-07	Soil #7	03-Feb-16 10:42	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-08	Soil #8	03-Feb-16 10:47	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-09	Soil #9	03-Feb-16 10:55	04-Feb-16 09:53	Amber Glass, 120 mL
1600092-10	Soil #10	03-Feb-16 11:00	04-Feb-16 09:53	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B6B0040	Lab Sample: B6B0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Feb-2016 10:07	Date Analyzed: 16-Feb-16 17:04 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.844			PCB-43/49	ND	0.346		
PCB-2	ND	0.875			PCB-44	ND	0.417		
PCB-3	ND	0.873			PCB-45	ND	0.379		
PCB-4/10	ND	2.93			PCB-46	ND	0.415		
PCB-5/8	ND	2.42			PCB-47	ND	0.303		
PCB-6	ND	2.48			PCB-48/75	ND	0.274		
PCB-7/9	ND	2.45			PCB-50	ND	0.394		
PCB-11	ND	2.32			PCB-51	ND	0.339		
PCB-12/13	ND	2.35			PCB-52/69	ND	0.305		
PCB-14	ND	2.03			PCB-53	ND	0.347		
PCB-15	ND	2.07			PCB-54	ND	0.299		
PCB-16/32	ND		0.321		PCB-55	ND	0.237		
PCB-17	ND	0.278			PCB-56/60	ND	0.264		
PCB-18	ND	0.300			PCB-57	ND	0.255		
PCB-19	ND	0.318			PCB-58	ND	0.251		
PCB-20/21/33	ND	0.256			PCB-61/70	ND	0.254		
PCB-22	ND	0.254			PCB-62	ND	0.268		
PCB-23	ND	0.245			PCB-63	ND	0.246		
PCB-24/27	ND	0.205			PCB-65	ND	0.276		
PCB-25	ND	0.270			PCB-66/76	ND	0.242		
PCB-26	ND	0.239			PCB-67	ND	0.262		
PCB-28	ND		0.196		PCB-68	ND	0.226		
PCB-29	ND	0.245			PCB-73	ND	0.279		
PCB-30	ND	0.201			PCB-74	ND	0.235		
PCB-31	ND	0.236			PCB-77	ND	0.224		
PCB-34	ND	0.228			PCB-78	ND	0.242		
PCB-35	ND	0.229			PCB-79	ND	0.251		
PCB-36	ND	0.221			PCB-80	ND	0.220		
PCB-37	ND	0.213			PCB-81	ND	0.221		
PCB-38	ND	0.231			PCB-82	ND	0.745		
PCB-39	ND	0.228			PCB-83	ND	0.455		
PCB-40	ND	0.424			PCB-84/92	ND	0.617		
PCB-41/64/71/72	ND	0.271			PCB-85/116	ND	0.543		
PCB-42/59	ND	0.294			PCB-86	ND	0.732		

DL - Sample specific estimated detection limit

LCL-UCL - Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Method Blank**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B6B0040
Date Extracted: 09-Feb-2016 10:07Lab Sample: B6B0040-BLK1
Date Analyzed: 16-Feb-16 17:04 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-87/117/125	ND	0.475			PCB-133/142	ND	0.443		
PCB-88/91	ND	0.660			PCB-134/143	ND	0.433		
PCB-89	ND	0.663			PCB-135	ND	0.601		
PCB-90/101	ND	0.547			PCB-136	ND	0.420		
PCB-93	ND	0.699			PCB-137	ND	0.365		
PCB-94	ND	0.656			PCB-138/163/164	ND	0.379		
PCB-95/98/102	ND	0.576			PCB-139/149	ND	0.550		
PCB-96	ND	0.508			PCB-140	ND	0.616		
PCB-97	ND	0.582			PCB-141	ND	0.372		
PCB-99	ND	0.529			PCB-144	ND	0.560		
PCB-100	ND	0.576			PCB-145	ND	0.438		
PCB-103	ND	0.573			PCB-146/165	ND	0.372		
PCB-104	ND	0.439			PCB-147	ND	0.615		
PCB-105	ND	0.280			PCB-148	ND	0.586		
PCB-106/118	ND	0.409			PCB-150	ND	0.425		
PCB-107/109	ND	0.414			PCB-151	ND	0.586		
PCB-108/112	ND	0.538			PCB-152	ND	0.410		
PCB-110	ND	0.444			PCB-153	ND	0.431		
PCB-111/115	ND	0.407			PCB-154	ND	0.538		
PCB-113	ND	0.493			PCB-155	ND	0.400		
PCB-114	ND	0.315			PCB-156	ND	0.252		
PCB-119	ND	0.402			PCB-157	ND	0.267		
PCB-120	ND	0.381			PCB-158/160	ND	0.276		
PCB-121	ND	0.421			PCB-159	ND	0.269		
PCB-122	ND	0.375			PCB-166	ND	0.288		
PCB-123	ND	0.442			PCB-167	ND	0.271		
PCB-124	ND	0.424			PCB-168	ND	0.297		
PCB-126	ND	0.312			PCB-169	ND	0.275		
PCB-127	ND	0.338			PCB-170	ND	0.205		
PCB-128/162	ND	0.318			PCB-171	ND	0.209		
PCB-129	ND	0.412			PCB-172	ND	0.224		
PCB-130	ND	0.467			PCB-173	ND	0.275		
PCB-131	ND	0.477			PCB-174	ND	0.236		
PCB-132/161	ND	0.360			PCB-175	ND	0.247		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B6B0040	Lab Sample: B6B0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Feb-2016 10:07	Date Analyzed: 16-Feb-16 17:04 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-176	ND	0.178			Total triCB	ND		0.517	
PCB-177	ND	0.240			Total tetraCB	ND		0.424	
PCB-178	ND	0.241			Total pentaCB	ND		0.745	
PCB-179	ND	0.186			Total hexaCB	ND		0.616	
PCB-180	ND	0.209			Total heptaCB	ND		0.275	
PCB-181	ND	0.225			Total octaCB	0.273			
PCB-182/187	ND	0.228			Total nonaCB	ND		0.227	
PCB-183	ND	0.211			DecaCB	ND		0.174	
PCB-184	ND	0.193			Total PCB	0.273			
PCB-185	ND	0.216							
PCB-186	ND	0.177							
PCB-188	ND	0.170							
PCB-189	ND	0.131							
PCB-190	ND	0.153							
PCB-191	ND	0.163							
PCB-192	ND	0.175							
PCB-193	ND	0.164							
PCB-194	0.273			J					
PCB-195	ND	0.215							
PCB-196/203	ND	0.456							
PCB-197	ND	0.324							
PCB-198	ND	0.501							
PCB-199	ND	0.509							
PCB-200	ND	0.365							
PCB-201	ND	0.345							
PCB-202	ND	0.371							
PCB-204	ND	0.351							
PCB-205	ND	0.152							
PCB-206	ND	0.227							
PCB-207	ND	0.157							
PCB-208	ND	0.159							
PCB-209	ND	0.174							
Total monoCB	ND	0.875							
Total diCB	ND	2.93							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B6B0040	Lab Sample: B6B0040-BLK1
Sample Size: 10.0 g	Date Extracted: 09-Feb-2016 10:07	Date Analyzed: 16-Feb-16 17:04 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	81.6	5 - 145		13C-PCB-157	91.5	10 - 145	
13C-PCB-3	81.3	5 - 145		13C-PCB-159	90.7	10 - 145	
13C-PCB-4	75.7	5 - 145		13C-PCB-167	92.5	10 - 145	
13C-PCB-11	83.6	5 - 145		13C-PCB-169	99.0	10 - 145	
13C-PCB-9	78.6	5 - 145		13C-PCB-170	96.5	10 - 145	
13C-PCB-19	81.9	5 - 145		13C-PCB-180	94.8	10 - 145	
13C-PCB-28	74.8	5 - 145		13C-PCB-188	82.3	10 - 145	
13C-PCB-32	82.1	5 - 145		13C-PCB-189	102	10 - 145	
13C-PCB-37	93.9	5 - 145		13C-PCB-194	89.8	10 - 145	
13C-PCB-47	85.8	5 - 145		13C-PCB-202	78.6	10 - 145	
13C-PCB-52	86.4	5 - 145		13C-PCB-206	102	10 - 145	
13C-PCB-54	72.2	5 - 145		13C-PCB-208	84.5	10 - 145	
13C-PCB-70	87.9	5 - 145		13C-PCB-209	107	10 - 145	
13C-PCB-77	90.8	10 - 145		CRS 13C-PCB-79	101	10 - 145	
13C-PCB-80	85.4	10 - 145		13C-PCB-178	103	10 - 145	
13C-PCB-81	87.0	10 - 145					
13C-PCB-95	85.6	10 - 145					
13C-PCB-97	92.4	10 - 145					
13C-PCB-101	88.9	10 - 145					
13C-PCB-104	80.8	10 - 145					
13C-PCB-105	93.8	10 - 145					
13C-PCB-114	88.3	10 - 145					
13C-PCB-118	91.8	10 - 145					
13C-PCB-123	96.0	10 - 145					
13C-PCB-126	102	10 - 145					
13C-PCB-127	93.1	10 - 145					
13C-PCB-138	89.9	10 - 145					
13C-PCB-141	86.6	10 - 145					
13C-PCB-153	82.2	10 - 145					
13C-PCB-155	85.6	10 - 145					
13C-PCB-156	94.6	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B6B0040
Date Extracted: 09-Feb-2016 10:07

Lab Sample: B6B0040-BS1
Date Analyzed: 16-Feb-16 14:54 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	390	500	78.1	60 - 135	IS 13C-PCB-1	82.8	15 - 145
PCB-3	393	500	78.6	60 - 135	IS 13C-PCB-3	87.8	15 - 145
PCB-4/10	812	1000	81.2	60 - 135	IS 13C-PCB-4	79.6	15 - 145
PCB-15	411	500	82.2	60 - 135	IS 13C-PCB-9	81.8	15 - 145
PCB-19	456	500	91.2	60 - 135	IS 13C-PCB-11	87.7	15 - 145
PCB-37	451	500	90.1	60 - 135	IS 13C-PCB-19	91.1	15 - 145
PCB-54	477	500	95.5	60 - 135	IS 13C-PCB-28	85.6	15 - 145
PCB-77	440	500	88.0	60 - 135	IS 13C-PCB-32	92.3	15 - 145
PCB-81	435	500	87.0	60 - 135	IS 13C-PCB-37	99.5	15 - 145
PCB-104	445	500	88.9	60 - 135	IS 13C-PCB-47	91.2	15 - 145
PCB-105	387	500	77.4	60 - 135	IS 13C-PCB-52	91.3	15 - 145
PCB-106/118	874	1000	87.4	60 - 135	IS 13C-PCB-54	79.4	15 - 145
PCB-114	408	500	81.7	60 - 135	IS 13C-PCB-70	88.6	15 - 145
PCB-123	444	500	88.8	60 - 135	IS 13C-PCB-77	96.2	40 - 145
PCB-126	404	500	80.8	60 - 135	IS 13C-PCB-80	93.7	40 - 145
PCB-155	457	500	91.4	60 - 135	IS 13C-PCB-81	95.5	40 - 145
PCB-156	452	500	90.3	60 - 135	IS 13C-PCB-95	89.0	40 - 145
PCB-157	470	500	93.9	60 - 135	IS 13C-PCB-97	96.4	40 - 145
PCB-167	459	500	91.7	60 - 135	IS 13C-PCB-101	91.4	40 - 145
PCB-169	476	500	95.2	60 - 135	IS 13C-PCB-104	87.3	40 - 145
PCB-188	459	500	91.8	60 - 135	IS 13C-PCB-105	95.2	40 - 145
PCB-189	462	500	92.5	60 - 135	IS 13C-PCB-114	89.1	40 - 145
PCB-202	482	500	96.4	60 - 135	IS 13C-PCB-118	98.9	40 - 145
PCB-205	432	500	86.4	60 - 135	IS 13C-PCB-123	101	40 - 145
PCB-206	490	500	98.0	60 - 135	IS 13C-PCB-126	104	40 - 145
PCB-208	496	500	99.2	60 - 135	IS 13C-PCB-127	97.3	40 - 145
PCB-209	450	500	90.0	60 - 135	IS 13C-PCB-138	93.3	40 - 145
					IS 13C-PCB-141	89.8	40 - 145
					IS 13C-PCB-153	88.6	40 - 145
					IS 13C-PCB-155	90.4	40 - 145
					IS 13C-PCB-156	96.4	40 - 145
					IS 13C-PCB-157	92.5	40 - 145
					IS 13C-PCB-159	93.8	40 - 145
					IS 13C-PCB-167	96.4	40 - 145
					IS 13C-PCB-169	98.1	40 - 145
					IS 13C-PCB-170	95.9	40 - 145
					IS 13C-PCB-180	98.0	40 - 145
					IS 13C-PCB-188	85.5	40 - 145
					IS 13C-PCB-189	99.3	40 - 145
					IS 13C-PCB-194	95.3	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B6B0040
Date Extracted: 09-Feb-2016 10:07

Lab Sample: B6B0040-BS1
Date Analyzed: 16-Feb-16 14:54 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	83.3	40 - 145
					IS 13C-PCB-206	100	40 - 145
					IS 13C-PCB-208	89.9	40 - 145
					IS 13C-PCB-209	106	40 - 145
					CRS 13C-PCB-79	107	40 - 145
					CRS 13C-PCB-178	106	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Soil #1

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-01	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.5 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 9:55		% Solids:	69.4	Date Analyzed :	16-Feb-16 18:10 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.89			PCB-44	11.2			
PCB-2	1.96			J	PCB-45	0.716			J
PCB-3	ND	2.48			PCB-46	0.401			J
PCB-4/10	ND	2.81			PCB-47	4.03			
PCB-5/8	ND	2.21			PCB-48/75	1.32			J
PCB-6	ND	2.27			PCB-50	ND	0.393		
PCB-7/9	ND	2.24			PCB-51	0.208			J
PCB-11	7.96				PCB-52/69	16.8			
PCB-12/13	ND	2.21			PCB-53	0.708			J
PCB-14	ND	1.90			PCB-54	ND	0.298		
PCB-15	4.25				PCB-55	ND		0.270	
PCB-16/32	1.77			J	PCB-56/60	9.52			
PCB-17	0.918			J	PCB-57	ND	0.290		
PCB-18	2.38			J	PCB-58	ND	0.286		
PCB-19	0.361			J	PCB-61/70	24.6			
PCB-20/21/33	3.23			J	PCB-62	ND	0.295		
PCB-22	2.82				PCB-63	0.554			J
PCB-23	ND	0.280			PCB-65	ND	0.305		
PCB-24/27	ND	0.193			PCB-66/76	14.7			
PCB-25	0.428			J	PCB-67	0.387			J
PCB-26	0.962			J	PCB-68	0.477			J
PCB-28	6.55				PCB-73	ND	0.304		
PCB-29	ND	0.280			PCB-74	5.22			
PCB-30	ND	0.194			PCB-77	4.47			
PCB-31	6.71				PCB-78	ND	0.260		
PCB-34	ND	0.260			PCB-79	1.01			J
PCB-35	0.642			J	PCB-80	ND	0.227		
PCB-36	ND	0.267			PCB-81	ND	0.462		
PCB-37	5.95				PCB-82	5.98			
PCB-38	ND	0.279			PCB-83	ND	0.430		
PCB-39	ND	0.275			PCB-84/92	21.9			
PCB-40	1.63			J	PCB-85/116	17.3			
PCB-41/64/71/72	6.88			J	PCB-86	ND	0.692		
PCB-42/59	3.21			J	PCB-87/117/125	24.0			
PCB-43/49	12.7				PCB-88/91	8.13			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #1

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-01	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.5 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 9:55		% Solids:	69.4	Date Analyzed :	16-Feb-16 18:10 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.638			PCB-136	6.90			
PCB-90/101	70.0				PCB-137	5.72			
PCB-93	ND	0.644			PCB-138/163/164	140			
PCB-94	ND	0.605			PCB-139/149	68.8			
PCB-95/98/102	32.3				PCB-140	0.824			J
PCB-96	ND	0.484			PCB-141	17.9			
PCB-97	16.1				PCB-144	2.78			
PCB-99	39.1				PCB-145	ND	0.416		
PCB-100	ND	0.548			PCB-146/165	17.7			
PCB-103	ND	0.546			PCB-147	ND		2.36	
PCB-104	ND	0.418			PCB-148	ND	0.557		
PCB-105	30.2				PCB-150	ND	0.403		
PCB-106/118	74.4				PCB-151	17.9			
PCB-107/109	6.01				PCB-152	ND	0.389		
PCB-108/112	2.59			J	PCB-153	119			
PCB-110	75.4				PCB-154	0.971			J
PCB-111/115	0.772			J	PCB-155	0.245			J
PCB-113	ND	0.474			PCB-156	13.2			
PCB-114	0.940			J	PCB-157	4.64			
PCB-119	1.13			J	PCB-158/160	11.2			
PCB-120	ND	0.360			PCB-159	ND	0.294		
PCB-121	ND	0.388			PCB-166	0.549			J
PCB-122	0.785			J	PCB-167	7.69			
PCB-123	2.68				PCB-168	0.279			J
PCB-124	5.25				PCB-169	ND	0.327		
PCB-126	0.800			J	PCB-170	26.6			
PCB-127	ND	0.877			PCB-171	6.17			
PCB-128/162	26.6				PCB-172	5.24			
PCB-129	4.48				PCB-173	ND		0.597	
PCB-130	10.6				PCB-174	27.6			
PCB-131	ND	0.466			PCB-175	1.08			J
PCB-132/161	21.7				PCB-176	2.47			J
PCB-133/142	3.48			J	PCB-177	18.0			
PCB-134/143	4.52			J	PCB-178	8.36			
PCB-135	13.0				PCB-179	13.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #1

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-01	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.5 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 9:55		% Solids:	69.4	Date Analyzed :	16-Feb-16 18:10 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	56.7				Total octaCB	105			B
PCB-181	ND	0.367			Total nonaCB	41.1			
PCB-182/187	44.3				DecaCB	35.0			
PCB-183	12.7				Total PCB	1540			B
PCB-184	ND		0.408						
PCB-185	3.65								
PCB-186	ND	0.282							
PCB-188	ND	0.270							
PCB-189	1.45			J					
PCB-190	6.36								
PCB-191	0.832			J					
PCB-192	ND	0.285							
PCB-193	3.73								
PCB-194	15.9			B					
PCB-195	7.30								
PCB-196/203	29.4								
PCB-197	0.568			J					
PCB-198	1.24			J					
PCB-199	35.1								
PCB-200	3.13								
PCB-201	2.72								
PCB-202	8.53								
PCB-204	ND	0.439							
PCB-205	0.799			J					
PCB-206	27.6								
PCB-207	3.02								
PCB-208	10.5								
PCB-209	35.0								
Total monoCB	1.96								
Total diCB	12.2								
Total triCB	32.7								
Total tetraCB	121								
Total pentaCB	436								
Total hexaCB	521		524						
Total heptaCB	238		239						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #1

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-01
Project:	Stiller Pond	Sample Size:	14.5 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 9:55	% Solids:	69.4	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 18:10
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	59.8	5 -145		13C-PCB-170	92.6	10 -145	
13C-PCB-3	69.1	5 -145		13C-PCB-180	93.9	10 -145	
13C-PCB-4	82.7	5 -145		13C-PCB-188	83.6	10 -145	
13C-PCB-11	93.8	5 -145		13C-PCB-189	99.5	10 -145	
13C-PCB-9	89.4	5 -145		13C-PCB-194	107	10 -145	
13C-PCB-19	94.8	5 -145		13C-PCB-202	75.9	10 -145	
13C-PCB-28	86.8	5 -145		13C-PCB-206	110	10 -145	
13C-PCB-32	95.3	5 -145		13C-PCB-208	102	10 -145	
13C-PCB-37	98.1	5 -145		13C-PCB-209	125	10 -145	
13C-PCB-47	88.7	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	91.1	5 -145		13C-PCB-178	100	10 -145	
13C-PCB-54	81.9	5 -145					
13C-PCB-70	91.6	5 -145					
13C-PCB-77	93.5	10 -145					
13C-PCB-80	93.7	10 -145					
13C-PCB-81	94.4	10 -145					
13C-PCB-95	90.3	10 -145					
13C-PCB-97	96.2	10 -145					
13C-PCB-101	92.7	10 -145					
13C-PCB-104	84.2	10 -145					
13C-PCB-105	94.1	10 -145					
13C-PCB-114	88.8	10 -145					
13C-PCB-118	96.9	10 -145					
13C-PCB-123	99.1	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	95.8	10 -145					
13C-PCB-138	90.9	10 -145					
13C-PCB-141	91.8	10 -145					
13C-PCB-153	88.5	10 -145					
13C-PCB-155	91.6	10 -145					
13C-PCB-156	93.4	10 -145					
13C-PCB-157	89.7	10 -145					
13C-PCB-159	91.7	10 -145					
13C-PCB-167	93.1	10 -145					
13C-PCB-169	88.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #2

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-02	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	13.4 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:00		% Solids:	75.6	Date Analyzed :	16-Feb-16 19:15 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	2.13			PCB-44	4.23			
PCB-2	ND	2.16			PCB-45	ND	0.407		
PCB-3	ND	2.16			PCB-46	ND	0.447		
PCB-4/10	ND	3.63			PCB-47	2.86			
PCB-5/8	ND	2.81			PCB-48/75	0.458			J
PCB-6	ND	2.88			PCB-50	ND	0.418		
PCB-7/9	ND	2.85			PCB-51	ND	0.365		
PCB-11	ND	2.89			PCB-52/69	8.15			
PCB-12/13	ND	2.93			PCB-53	0.275			J
PCB-14	ND	2.52			PCB-54	ND	0.318		
PCB-15	ND	2.57			PCB-55	ND	0.262		
PCB-16/32	ND		0.793		PCB-56/60	5.38			
PCB-17	ND		0.399		PCB-57	ND	0.274		
PCB-18	ND		1.13		PCB-58	ND	0.270		
PCB-19	ND	0.469			PCB-61/70	11.0			
PCB-20/21/33	ND		1.02		PCB-62	ND	0.302		
PCB-22	ND		0.774		PCB-63	0.419			J
PCB-23	ND	0.246			PCB-65	ND	0.311		
PCB-24/27	ND	0.291			PCB-66/76	5.97			
PCB-25	ND	0.271			PCB-67	ND	0.281		
PCB-26	0.431			J	PCB-68	ND		0.244	
PCB-28	2.43			J	PCB-73	ND	0.300		
PCB-29	ND	0.246			PCB-74	1.80			J
PCB-30	ND	0.296			PCB-77	2.21			J
PCB-31	2.31			J	PCB-78	ND	0.272		
PCB-34	ND	0.229			PCB-79	ND		0.782	
PCB-35	ND	0.248			PCB-80	ND	0.243		
PCB-36	ND	0.240			PCB-81	ND	0.248		
PCB-37	1.97			J	PCB-82	4.92			
PCB-38	ND	0.251			PCB-83	ND	0.575		
PCB-39	ND	0.247			PCB-84/92	15.8			
PCB-40	0.485			J	PCB-85/116	16.1			
PCB-41/64/71/72	3.52			J	PCB-86	ND	0.924		
PCB-42/59	1.21			J	PCB-87/117/125	19.1			
PCB-43/49	7.91				PCB-88/91	5.76			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-02
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:00	% Solids:	75.6	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 19:15
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.829			PCB-136	4.77			
PCB-90/101	59.9				PCB-137	6.53			
PCB-93	ND	0.865			PCB-138/163/164	126			
PCB-94	ND	0.813			PCB-139/149	57.3			
PCB-95/98/102	20.6				PCB-140	ND		0.446	
PCB-96	ND	0.615			PCB-141	15.8			
PCB-97	12.7				PCB-144	2.38			J
PCB-99	34.9				PCB-145	ND	0.375		
PCB-100	ND	0.698			PCB-146/165	15.8			
PCB-103	ND	0.694			PCB-147	1.96			J
PCB-104	ND	0.532			PCB-148	ND	0.501		
PCB-105	26.7				PCB-150	ND	0.363		
PCB-106/118	58.8				PCB-151	14.1			
PCB-107/109	5.55				PCB-152	ND	0.350		
PCB-108/112	1.72			J	PCB-153	109			
PCB-110	68.3				PCB-154	0.870			J
PCB-111/115	0.659			J	PCB-155	ND	0.342		
PCB-113	ND	0.616			PCB-156	12.0			
PCB-114	0.732			J	PCB-157	4.08			
PCB-119	1.03			J	PCB-158/160	10.3			
PCB-120	ND	0.481			PCB-159	ND	0.379		
PCB-121	ND	0.522			PCB-166	ND	0.406		
PCB-122	0.710			J	PCB-167	6.49			
PCB-123	2.16			J	PCB-168	ND	0.380		
PCB-124	4.45				PCB-169	ND	0.399		
PCB-126	0.637			J	PCB-170	22.2			
PCB-127	ND	1.81			PCB-171	5.32			
PCB-128/162	24.2				PCB-172	4.39			
PCB-129	4.15				PCB-173	ND	0.361		
PCB-130	9.73				PCB-174	24.0			
PCB-131	ND	0.609			PCB-175	0.942			J
PCB-132/161	18.8				PCB-176	2.10			J
PCB-133/142	2.80			J	PCB-177	16.0			
PCB-134/143	3.64			J	PCB-178	7.20			
PCB-135	10.8				PCB-179	11.1			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-02
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:00	% Solids:	75.6	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 19:15
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	48.6				Total octaCB	90.2		91.0	B
PCB-181	ND	0.296			Total nonaCB	37.5			
PCB-182/187	36.3				DecaCB	32.4			
PCB-183	10.2				Total PCB	1250			B
PCB-184	ND	0.238							
PCB-185	2.90								
PCB-186	ND	0.218							
PCB-188	ND	0.209							
PCB-189	ND		0.800						
PCB-190	5.06								
PCB-191	0.986			J					
PCB-192	ND	0.230							
PCB-193	3.51								
PCB-194	14.2			B					
PCB-195	6.48								
PCB-196/203	23.8								
PCB-197	0.491			J					
PCB-198	1.19			J					
PCB-199	30.4								
PCB-200	3.14								
PCB-201	2.37			J					
PCB-202	8.09								
PCB-204	ND	0.575							
PCB-205	ND		0.842						
PCB-206	25.0								
PCB-207	2.70								
PCB-208	9.79								
PCB-209	32.4								
Total monoCB	ND	2.16							
Total diCB	ND	3.63							
Total triCB	7.14		11.3						
Total tetraCB	55.8		56.9						
Total pentaCB	361								
Total hexaCB	461								
Total heptaCB	201		202						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #2

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-02
Project:	Stiller Pond	Sample Size:	13.4 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:00	% Solids:	75.6	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 19:15
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	50.5	5 -145		13C-PCB-170	84.2	10 -145	
13C-PCB-3	64.8	5 -145		13C-PCB-180	87.7	10 -145	
13C-PCB-4	70.2	5 -145		13C-PCB-188	79.5	10 -145	
13C-PCB-11	76.0	5 -145		13C-PCB-189	88.5	10 -145	
13C-PCB-9	75.4	5 -145		13C-PCB-194	85.3	10 -145	
13C-PCB-19	78.7	5 -145		13C-PCB-202	68.0	10 -145	
13C-PCB-28	71.9	5 -145		13C-PCB-206	94.6	10 -145	
13C-PCB-32	82.3	5 -145		13C-PCB-208	87.0	10 -145	
13C-PCB-37	84.7	5 -145		13C-PCB-209	97.9	10 -145	
13C-PCB-47	83.6	5 -145		CRS 13C-PCB-79	96.2	10 -145	
13C-PCB-52	84.4	5 -145		13C-PCB-178	97.7	10 -145	
13C-PCB-54	73.5	5 -145					
13C-PCB-70	86.9	5 -145					
13C-PCB-77	88.7	10 -145					
13C-PCB-80	81.8	10 -145					
13C-PCB-81	86.3	10 -145					
13C-PCB-95	84.4	10 -145					
13C-PCB-97	89.2	10 -145					
13C-PCB-101	86.5	10 -145					
13C-PCB-104	81.2	10 -145					
13C-PCB-105	90.6	10 -145					
13C-PCB-114	86.0	10 -145					
13C-PCB-118	89.5	10 -145					
13C-PCB-123	92.9	10 -145					
13C-PCB-126	96.8	10 -145					
13C-PCB-127	92.2	10 -145					
13C-PCB-138	86.2	10 -145					
13C-PCB-141	83.2	10 -145					
13C-PCB-153	82.8	10 -145					
13C-PCB-155	84.3	10 -145					
13C-PCB-156	89.6	10 -145					
13C-PCB-157	85.8	10 -145					
13C-PCB-159	87.3	10 -145					
13C-PCB-167	87.6	10 -145					
13C-PCB-169	90.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #3

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-03	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.5 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:12		% Solids:	69.8	Date Analyzed :	16-Feb-16 20:20 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		1.99		PCB-44	15.1			
PCB-2	3.94				PCB-45	ND		0.332	
PCB-3	5.73				PCB-46	ND	0.413		
PCB-4/10	ND	4.15			PCB-47	11.6			
PCB-5/8	5.93				PCB-48/75	1.72			J
PCB-6	ND		1.29		PCB-50	ND	0.341		
PCB-7/9	ND	3.37			PCB-51	0.298			J
PCB-11	5.28				PCB-52/69	30.1			
PCB-12/13	ND	3.41			PCB-53	ND		0.514	
PCB-14	ND	2.94			PCB-54	ND	0.259		
PCB-15	23.2				PCB-55	1.09			J
PCB-16/32	1.71			J	PCB-56/60	21.7			
PCB-17	0.849			J	PCB-57	0.269			J
PCB-18	2.72				PCB-58	ND		0.963	
PCB-19	ND	0.371			PCB-61/70	70.9			
PCB-20/21/33	5.03			J	PCB-62	ND	0.293		
PCB-22	3.35				PCB-63	1.93			J
PCB-23	ND	0.337			PCB-65	ND	0.302		
PCB-24/27	ND	0.244			PCB-66/76	40.4			
PCB-25	1.36			J	PCB-67	ND		0.632	
PCB-26	1.96			J	PCB-68	1.53			J
PCB-28	17.7				PCB-73	ND	0.278		
PCB-29	ND	0.337			PCB-74	12.4			
PCB-30	ND	0.235			PCB-77	11.0			
PCB-31	11.6				PCB-78	ND	0.223		
PCB-34	ND	0.314			PCB-79	4.93			
PCB-35	ND		0.872		PCB-80	ND	0.204		
PCB-36	ND	0.310			PCB-81	0.344			J
PCB-37	14.7				PCB-82	19.8			
PCB-38	ND	0.427			PCB-83	ND	0.454		
PCB-39	ND	0.405			PCB-84/92	70.7			
PCB-40	1.20			J	PCB-85/116	64.4			
PCB-41/64/71/72	19.0				PCB-86	ND	0.731		
PCB-42/59	4.22			J	PCB-87/117/125	76.6			
PCB-43/49	40.0				PCB-88/91	24.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-03
Project:	Stiller Pond	Sample Size:	14.5 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:12	% Solids:	69.8	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 20:20
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.660			PCB-136	24.8			
PCB-90/101	279				PCB-137	21.4			
PCB-93	ND	0.700			PCB-138/163/164	498			
PCB-94	ND	0.658			PCB-139/149	277			
PCB-95/98/102	82.5				PCB-140	2.37			J
PCB-96	ND	0.526			PCB-141	62.9			
PCB-97	49.3				PCB-144	10.5			
PCB-99	167				PCB-145	ND	0.316		
PCB-100	0.784			J	PCB-146/165	74.7			
PCB-103	1.61			J	PCB-147	10.0			
PCB-104	ND	0.455			PCB-148	0.447			J
PCB-105	73.6				PCB-150	ND		0.214	
PCB-106/118	218				PCB-151	72.5			
PCB-107/109	30.8				PCB-152	ND		0.204	
PCB-108/112	7.18				PCB-153	429			
PCB-110	316				PCB-154	5.02			
PCB-111/115	2.63			J	PCB-155	ND	0.288		
PCB-113	ND	0.490			PCB-156	48.3			
PCB-114	3.65				PCB-157	11.5			
PCB-119	6.14				PCB-158/160	38.0			
PCB-120	1.96			J	PCB-159	ND	0.433		
PCB-121	ND	0.422			PCB-166	1.77			J
PCB-122	4.42				PCB-167	23.9			
PCB-123	6.93				PCB-168	0.610			J
PCB-124	15.3				PCB-169	0.256			J
PCB-126	3.53				PCB-170	96.4			
PCB-127	ND	0.467			PCB-171	25.1			
PCB-128/162	88.7				PCB-172	18.6			
PCB-129	15.7				PCB-173	2.42			J
PCB-130	40.4				PCB-174	99.4			
PCB-131	ND	0.730			PCB-175	4.32			
PCB-132/161	86.0				PCB-176	10.4			
PCB-133/142	11.7				PCB-177	64.4			
PCB-134/143	13.2				PCB-178	25.8			
PCB-135	46.0				PCB-179	43.3			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-03
Project:	Stiller Pond	Sample Size:	14.5 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:12	% Solids:	69.8	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 20:20
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	209				Total octaCB	334			B
PCB-181	ND	0.325			Total nonaCB	90.4			
PCB-182/187	158				DecaCB	50.9			
PCB-183	53.8				Total PCB	5170			B
PCB-184	0.275			J					
PCB-185	11.6								
PCB-186	ND	0.252							
PCB-188	ND	0.269							
PCB-189	4.31								
PCB-190	21.4								
PCB-191	3.34								
PCB-192	ND	0.252							
PCB-193	11.9								
PCB-194	60.5			B					
PCB-195	24.8								
PCB-196/203	93.3								
PCB-197	2.59								
PCB-198	3.61								
PCB-199	103								
PCB-200	9.82								
PCB-201	9.57								
PCB-202	23.9								
PCB-204	ND	0.376							
PCB-205	3.12								
PCB-206	62.0								
PCB-207	7.40								
PCB-208	21.0								
PCB-209	50.9								
Total monoCB	9.66		11.7						
Total diCB	34.4		35.7						
Total triCB	60.9		61.8						
Total tetraCB	290		292						
Total pentaCB	1530								
Total hexaCB	1910		1920						
Total heptaCB	864								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #3

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-03
Project:	Stiller Pond	Sample Size:	14.5 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:12	% Solids:	69.8	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 20:20
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	50.4	5 -145		13C-PCB-170	93.8	10 -145	
13C-PCB-3	65.5	5 -145		13C-PCB-180	93.4	10 -145	
13C-PCB-4	82.3	5 -145		13C-PCB-188	83.7	10 -145	
13C-PCB-11	89.7	5 -145		13C-PCB-189	96.8	10 -145	
13C-PCB-9	86.3	5 -145		13C-PCB-194	92.8	10 -145	
13C-PCB-19	89.5	5 -145		13C-PCB-202	73.9	10 -145	
13C-PCB-28	85.1	5 -145		13C-PCB-206	101	10 -145	
13C-PCB-32	88.2	5 -145		13C-PCB-208	95.0	10 -145	
13C-PCB-37	93.4	5 -145		13C-PCB-209	111	10 -145	
13C-PCB-47	81.2	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	83.3	5 -145		13C-PCB-178	102	10 -145	
13C-PCB-54	78.9	5 -145					
13C-PCB-70	89.7	5 -145					
13C-PCB-77	91.9	10 -145					
13C-PCB-80	86.3	10 -145					
13C-PCB-81	89.9	10 -145					
13C-PCB-95	88.6	10 -145					
13C-PCB-97	95.4	10 -145					
13C-PCB-101	91.7	10 -145					
13C-PCB-104	78.4	10 -145					
13C-PCB-105	95.3	10 -145					
13C-PCB-114	88.9	10 -145					
13C-PCB-118	92.8	10 -145					
13C-PCB-123	98.2	10 -145					
13C-PCB-126	99.2	10 -145					
13C-PCB-127	95.5	10 -145					
13C-PCB-138	88.6	10 -145					
13C-PCB-141	90.0	10 -145					
13C-PCB-153	88.0	10 -145					
13C-PCB-155	86.8	10 -145					
13C-PCB-156	94.9	10 -145					
13C-PCB-157	92.3	10 -145					
13C-PCB-159	93.9	10 -145					
13C-PCB-167	92.1	10 -145					
13C-PCB-169	95.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #4

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-04	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.3 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:17		% Solids:	70.4	Date Analyzed :	16-Feb-16 21:25 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.78			J	PCB-44	9.63			
PCB-2	1.83			J	PCB-45	ND	0.501		
PCB-3	4.15				PCB-46	ND	0.549		
PCB-4/10	ND	5.49			PCB-47	7.42			
PCB-5/8	ND	4.20			PCB-48/75	1.31			J
PCB-6	ND	4.31			PCB-50	ND	0.508		
PCB-7/9	ND	4.25			PCB-51	ND	0.449		
PCB-11	4.41				PCB-52/69	22.3			
PCB-12/13	ND	4.16			PCB-53	0.414			J
PCB-14	ND	3.59			PCB-54	ND	0.386		
PCB-15	13.8				PCB-55	0.733			J
PCB-16/32	ND	0.387			PCB-56/60	11.8			
PCB-17	ND	0.423			PCB-57	ND		0.127	
PCB-18	ND		1.33		PCB-58	ND		0.675	
PCB-19	ND	0.488			PCB-61/70	40.0			
PCB-20/21/33	3.42			J	PCB-62	ND	0.355		
PCB-22	2.29			J	PCB-63	1.42			J
PCB-23	ND	0.426			PCB-65	ND	0.367		
PCB-24/27	ND	0.312			PCB-66/76	23.6			
PCB-25	ND	0.470			PCB-67	0.497			J
PCB-26	1.15			J	PCB-68	0.913			J
PCB-28	10.9				PCB-73	ND	0.369		
PCB-29	ND	0.426			PCB-74	7.91			
PCB-30	ND	0.308			PCB-77	6.87			
PCB-31	6.49				PCB-78	ND	0.328		
PCB-34	ND	0.397			PCB-79	3.20			
PCB-35	ND		0.491		PCB-80	ND	0.284		
PCB-36	ND	0.416			PCB-81	0.624			J
PCB-37	9.12				PCB-82	11.2			
PCB-38	ND	0.435			PCB-83	ND	0.553		
PCB-39	ND	0.429			PCB-84/92	47.2			
PCB-40	0.789			J	PCB-85/116	42.8			
PCB-41/64/71/72	13.1				PCB-86	ND	0.890		
PCB-42/59	2.65			J	PCB-87/117/125	48.8			
PCB-43/49	26.1				PCB-88/91	15.7			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-04
Project:	Stiller Pond	Sample Size:	14.3 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:17	% Solids:	70.4	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 21:25
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.827			PCB-136	16.1			
PCB-90/101	181				PCB-137	13.5			
PCB-93	ND	0.878			PCB-138/163/164	327			
PCB-94	ND	0.824			PCB-139/149	186			
PCB-95/98/102	59.5				PCB-140	1.65			J
PCB-96	ND	0.606			PCB-141	40.9			
PCB-97	30.0				PCB-144	7.73			
PCB-99	111				PCB-145	ND	0.568		
PCB-100	ND	0.687			PCB-146/165	53.4			
PCB-103	0.916			J	PCB-147	7.74			
PCB-104	ND	0.524			PCB-148	ND	0.759		
PCB-105	42.4				PCB-150	ND	0.550		
PCB-106/118	127				PCB-151	49.5			
PCB-107/109	20.8				PCB-152	ND	0.531		
PCB-108/112	4.82			J	PCB-153	286			
PCB-110	218				PCB-154	2.93			
PCB-111/115	1.98			J	PCB-155	ND	0.518		
PCB-113	ND	0.615			PCB-156	32.6			
PCB-114	2.62				PCB-157	8.09			
PCB-119	4.08				PCB-158/160	26.5			
PCB-120	1.60			J	PCB-159	ND	0.453		
PCB-121	ND	0.529			PCB-166	1.31			J
PCB-122	2.90				PCB-167	16.0			
PCB-123	4.29				PCB-168	ND	0.480		
PCB-124	10.6				PCB-169	0.306			J
PCB-126	2.34			J	PCB-170	62.3			
PCB-127	ND	0.468			PCB-171	17.0			
PCB-128/162	59.4				PCB-172	12.8			
PCB-129	10.4				PCB-173	1.39			J
PCB-130	29.4				PCB-174	64.9			
PCB-131	ND	0.770			PCB-175	3.20			
PCB-132/161	62.5				PCB-176	6.82			
PCB-133/142	8.45				PCB-177	42.7			
PCB-134/143	9.07				PCB-178	18.1			
PCB-135	28.5				PCB-179	29.7			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-04
Project:	Stiller Pond	Sample Size:	14.3 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:17	% Solids:	70.4	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 21:25
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	132				Total octaCB	211			B
PCB-181	ND	0.346			Total nonaCB	60.3			
PCB-182/187	104				DecaCB	34.8			
PCB-183	36.7				Total PCB	3390			B
PCB-184	ND	0.295							
PCB-185	7.95								
PCB-186	ND	0.271							
PCB-188	ND	0.260							
PCB-189	3.00								
PCB-190	12.9								
PCB-191	2.25			J					
PCB-192	ND	0.269							
PCB-193	7.77								
PCB-194	38.3			B					
PCB-195	16.3								
PCB-196/203	57.9								
PCB-197	2.00			J					
PCB-198	2.37			J					
PCB-199	64.1								
PCB-200	6.05								
PCB-201	6.55								
PCB-202	15.5								
PCB-204	ND	0.528							
PCB-205	1.94			J					
PCB-206	41.5								
PCB-207	5.21								
PCB-208	13.6								
PCB-209	34.8								
Total monoCB	7.76								
Total diCB	18.2								
Total triCB	33.4		35.2						
Total tetraCB	181		182						
Total pentaCB	991								
Total hexaCB	1280								
Total heptaCB	565								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #4

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-04
Project:	Stiller Pond	Sample Size:	14.3 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:17	% Solids:	70.4	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 21:25
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	63.3	5 -145		13C-PCB-170	84.8	10 -145	
13C-PCB-3	74.3	5 -145		13C-PCB-180	89.4	10 -145	
13C-PCB-4	73.4	5 -145		13C-PCB-188	77.3	10 -145	
13C-PCB-11	82.6	5 -145		13C-PCB-189	89.2	10 -145	
13C-PCB-9	78.4	5 -145		13C-PCB-194	90.3	10 -145	
13C-PCB-19	80.2	5 -145		13C-PCB-202	72.8	10 -145	
13C-PCB-28	89.1	5 -145		13C-PCB-206	101	10 -145	
13C-PCB-32	84.2	5 -145		13C-PCB-208	90.2	10 -145	
13C-PCB-37	95.1	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	87.2	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	88.3	5 -145		13C-PCB-178	99.6	10 -145	
13C-PCB-54	77.4	5 -145					
13C-PCB-70	86.2	5 -145					
13C-PCB-77	87.6	10 -145					
13C-PCB-80	86.0	10 -145					
13C-PCB-81	89.1	10 -145					
13C-PCB-95	88.5	10 -145					
13C-PCB-97	94.1	10 -145					
13C-PCB-101	91.6	10 -145					
13C-PCB-104	85.8	10 -145					
13C-PCB-105	92.0	10 -145					
13C-PCB-114	88.0	10 -145					
13C-PCB-118	95.1	10 -145					
13C-PCB-123	99.8	10 -145					
13C-PCB-126	98.4	10 -145					
13C-PCB-127	93.6	10 -145					
13C-PCB-138	88.4	10 -145					
13C-PCB-141	86.7	10 -145					
13C-PCB-153	80.2	10 -145					
13C-PCB-155	87.2	10 -145					
13C-PCB-156	92.0	10 -145					
13C-PCB-157	92.0	10 -145					
13C-PCB-159	87.7	10 -145					
13C-PCB-167	88.8	10 -145					
13C-PCB-169	91.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #5

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-05	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.1 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:27		% Solids:	72.1	Date Analyzed :	16-Feb-16 22:30	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		0.681		PCB-44	7.24			
PCB-2	2.30			J	PCB-45	ND		0.208	
PCB-3	2.76				PCB-46	ND	0.550		
PCB-4/10	ND	6.24			PCB-47	7.64			
PCB-5/8	ND	4.57			PCB-48/75	0.941			J
PCB-6	ND	4.69			PCB-50	ND	0.477		
PCB-7/9	ND	4.64			PCB-51	ND	0.449		
PCB-11	10.3				PCB-52/69	14.1			
PCB-12/13	ND	4.47			PCB-53	0.227			J
PCB-14	ND	3.85			PCB-54	ND	0.362		
PCB-15	10.8				PCB-55	0.685			J
PCB-16/32	ND	0.611			PCB-56/60	22.8			
PCB-17	ND	0.397			PCB-57	0.231			J
PCB-18	ND		1.21		PCB-58	0.525			J
PCB-19	ND	0.475			PCB-61/70	56.8			
PCB-20/21/33	3.36			J	PCB-62	ND	0.361		
PCB-22	2.41			J	PCB-63	1.22			J
PCB-23	ND	0.327			PCB-65	ND	0.372		
PCB-24/27	ND	0.292			PCB-66/76	31.3			
PCB-25	ND	0.623			PCB-67	0.675			J
PCB-26	1.20			J	PCB-68	1.28			J
PCB-28	11.9				PCB-73	ND	0.370		
PCB-29	ND	0.327			PCB-74	8.59			
PCB-30	ND	0.300			PCB-77	14.4			
PCB-31	6.67				PCB-78	ND	0.304		
PCB-34	ND	0.304			PCB-79	3.35			
PCB-35	ND		0.716		PCB-80	ND	0.269		
PCB-36	ND	0.320			PCB-81	0.659			J
PCB-37	10.7				PCB-82	11.9			
PCB-38	ND	0.335			PCB-83	ND	0.571		
PCB-39	ND	0.330			PCB-84/92	44.8			
PCB-40	0.747			J	PCB-85/116	41.9			
PCB-41/64/71/72	9.13			J	PCB-86	ND	0.918		
PCB-42/59	2.26			J	PCB-87/117/125	52.9			
PCB-43/49	24.0				PCB-88/91	15.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-05
Project:	Stiller Pond	Sample Size:	14.1 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:27	% Solids:	72.1	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 22:30
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.825			PCB-136	14.0			
PCB-90/101	177				PCB-137	15.7			
PCB-93	ND	0.865			PCB-138/163/164	336			
PCB-94	ND	0.813			PCB-139/149	175			
PCB-95/98/102	47.4				PCB-140	1.59			J
PCB-96	ND	0.587			PCB-141	38.9			
PCB-97	30.7				PCB-144	6.92			
PCB-99	111				PCB-145	ND	0.417		
PCB-100	0.524			J	PCB-146/165	48.7			
PCB-103	0.947			J	PCB-147	7.11			
PCB-104	ND	0.507			PCB-148	ND	0.557		
PCB-105	72.9				PCB-150	ND	0.546		
PCB-106/118	187				PCB-151	41.7			
PCB-107/109	20.7				PCB-152	ND	0.527		
PCB-108/112	4.72			J	PCB-153	283			
PCB-110	192				PCB-154	3.29			
PCB-111/115	1.35			J	PCB-155	ND	0.380		
PCB-113	ND	0.613			PCB-156	33.3			
PCB-114	2.42			J	PCB-157	9.37			
PCB-119	4.08				PCB-158/160	26.7			
PCB-120	1.46			J	PCB-159	ND	0.366		
PCB-121	ND	0.521			PCB-166	1.15			J
PCB-122	2.62				PCB-167	17.3			
PCB-123	5.35				PCB-168	0.407			J
PCB-124	10.8				PCB-169	ND	0.235		
PCB-126	2.88				PCB-170	61.2			
PCB-127	ND	0.431			PCB-171	15.5			
PCB-128/162	61.0				PCB-172	12.8			
PCB-129	10.1				PCB-173	1.39			J
PCB-130	29.0				PCB-174	60.6			
PCB-131	ND	0.567			PCB-175	2.94			
PCB-132/161	57.3				PCB-176	5.81			
PCB-133/142	7.81				PCB-177	41.0			
PCB-134/143	8.61				PCB-178	17.4			
PCB-135	28.9				PCB-179	27.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-05
Project:	Stiller Pond	Sample Size:	14.1 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:27	% Solids:	72.1	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 22:30
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	128				Total octaCB	200			B
PCB-181	ND	0.256			Total nonaCB	54.5			
PCB-182/187	104				DecaCB	30.5			
PCB-183	32.4				Total PCB	3400			B
PCB-184	ND	0.201							
PCB-185	7.34								
PCB-186	ND	0.205							
PCB-188	ND	0.196							
PCB-189	3.02								
PCB-190	13.7								
PCB-191	2.11			J					
PCB-192	ND	0.199							
PCB-193	8.19								
PCB-194	34.4			B					
PCB-195	15.1								
PCB-196/203	55.1								
PCB-197	1.60			J					
PCB-198	2.63								
PCB-199	61.8								
PCB-200	6.68								
PCB-201	6.02								
PCB-202	14.7								
PCB-204	ND	0.377							
PCB-205	1.82			J					
PCB-206	37.1								
PCB-207	4.42								
PCB-208	13.0								
PCB-209	30.5								
Total monoCB	5.06		5.74						
Total diCB	21.1								
Total triCB	36.3		38.2						
Total tetraCB	209								
Total pentaCB	1040								
Total hexaCB	1260								
Total heptaCB	544								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #5

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-05
Project:	Stiller Pond	Sample Size:	14.1 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:27	% Solids:	72.1	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 22:30
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	72.8	5 -145		13C-PCB-170	90.0	10 -145	
13C-PCB-3	80.4	5 -145		13C-PCB-180	90.1	10 -145	
13C-PCB-4	71.9	5 -145		13C-PCB-188	78.4	10 -145	
13C-PCB-11	88.5	5 -145		13C-PCB-189	91.6	10 -145	
13C-PCB-9	79.5	5 -145		13C-PCB-194	91.9	10 -145	
13C-PCB-19	80.6	5 -145		13C-PCB-202	69.1	10 -145	
13C-PCB-28	73.8	5 -145		13C-PCB-206	97.0	10 -145	
13C-PCB-32	84.5	5 -145		13C-PCB-208	88.5	10 -145	
13C-PCB-37	86.6	5 -145		13C-PCB-209	105	10 -145	
13C-PCB-47	88.8	5 -145		CRS 13C-PCB-79	104	10 -145	
13C-PCB-52	90.4	5 -145		13C-PCB-178	99.8	10 -145	
13C-PCB-54	78.2	5 -145					
13C-PCB-70	89.7	5 -145					
13C-PCB-77	93.7	10 -145					
13C-PCB-80	88.5	10 -145					
13C-PCB-81	90.3	10 -145					
13C-PCB-95	87.5	10 -145					
13C-PCB-97	94.1	10 -145					
13C-PCB-101	89.5	10 -145					
13C-PCB-104	84.8	10 -145					
13C-PCB-105	91.5	10 -145					
13C-PCB-114	88.1	10 -145					
13C-PCB-118	95.5	10 -145					
13C-PCB-123	100	10 -145					
13C-PCB-126	98.9	10 -145					
13C-PCB-127	94.5	10 -145					
13C-PCB-138	87.5	10 -145					
13C-PCB-141	87.3	10 -145					
13C-PCB-153	87.3	10 -145					
13C-PCB-155	87.0	10 -145					
13C-PCB-156	91.0	10 -145					
13C-PCB-157	89.8	10 -145					
13C-PCB-159	90.4	10 -145					
13C-PCB-167	90.8	10 -145					
13C-PCB-169	92.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #6

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-06	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	14.1 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:32		% Solids:	71.1	Date Analyzed :	16-Feb-16 23:35 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	2.22			J	PCB-44	75.1			
PCB-2	5.71				PCB-45	2.06			J
PCB-3	7.21				PCB-46	0.433			J
PCB-4/10	ND	6.49			PCB-47	39.9			
PCB-5/8	10.2				PCB-48/75	9.63			
PCB-6	ND	5.08			PCB-50	ND	0.488		
PCB-7/9	ND	5.02			PCB-51	0.607			J
PCB-11	26.0				PCB-52/69	168			
PCB-12/13	5.30				PCB-53	2.14			J
PCB-14	ND	4.01			PCB-54	ND	0.371		
PCB-15	43.5				PCB-55	4.63			
PCB-16/32	4.52			J	PCB-56/60	99.5			
PCB-17	2.89				PCB-57	1.18			J
PCB-18	7.99				PCB-58	2.80			
PCB-19	ND	0.472			PCB-61/70	330			
PCB-20/21/33	19.9				PCB-62	ND	0.360		
PCB-22	11.4				PCB-63	13.4			
PCB-23	ND	0.364			PCB-65	ND	0.371		
PCB-24/27	ND	0.797			PCB-66/76	160			
PCB-25	3.79				PCB-67	4.42			
PCB-26	8.05				PCB-68	4.72			
PCB-28	60.4				PCB-73	ND	0.380		
PCB-29	ND	0.364			PCB-74	60.0			
PCB-30	ND	0.298			PCB-77	44.7			
PCB-31	40.4				PCB-78	ND	0.311		
PCB-34	ND	0.339			PCB-79	17.7			
PCB-35	3.68				PCB-80	ND	0.276		
PCB-36	ND	0.346			PCB-81	1.71			J
PCB-37	54.8				PCB-82	73.8			
PCB-38	ND		0.907		PCB-83	ND	0.524		
PCB-39	ND	0.356			PCB-84/92	248			
PCB-40	5.87				PCB-85/116	235			
PCB-41/64/71/72	92.6				PCB-86	ND	0.844		
PCB-42/59	17.5				PCB-87/117/125	336			
PCB-43/49	149				PCB-88/91	88.1			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-06
Project:	Stiller Pond	Sample Size:	14.1 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:32	% Solids:	71.1	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 23:35
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	1.33			J	PCB-136	92.2			
PCB-90/101	1050				PCB-137	74.7			
PCB-93	ND	0.786			PCB-138/163/164	1600			
PCB-94	ND		0.755		PCB-139/149	880			
PCB-95/98/102	364				PCB-140	6.90			
PCB-96	ND		0.668		PCB-141	190			
PCB-97	200				PCB-144	41.9			
PCB-99	579				PCB-145	ND	0.372		
PCB-100	2.08			J	PCB-146/165	223			
PCB-103	5.72				PCB-147	34.8			
PCB-104	ND	0.466			PCB-148	ND	0.602		
PCB-105	368				PCB-150	0.834			J
PCB-106/118	992				PCB-151	224			
PCB-107/109	121				PCB-152	0.956			J
PCB-108/112	26.4				PCB-153	1310			
PCB-110	1120				PCB-154	14.4			
PCB-111/115	15.4				PCB-155	ND	0.411		
PCB-113	ND	0.560			PCB-156	173			
PCB-114	20.5				PCB-157	37.9			
PCB-119	23.8				PCB-158/160	153			
PCB-120	5.03				PCB-159	ND	0.779		
PCB-121	ND	0.474			PCB-166	7.60			
PCB-122	12.0				PCB-167	72.7			
PCB-123	24.0				PCB-168	1.47			J
PCB-124	57.5				PCB-169	0.798			J
PCB-126	12.5				PCB-170	256			
PCB-127	ND	0.398			PCB-171	76.3			
PCB-128/162	298				PCB-172	49.2			
PCB-129	47.3				PCB-173	6.10			
PCB-130	123				PCB-174	266			
PCB-131	ND	1.27			PCB-175	13.5			
PCB-132/161	318				PCB-176	31.4			
PCB-133/142	38.2				PCB-177	178			
PCB-134/143	48.0				PCB-178	70.4			
PCB-135	142				PCB-179	122			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-06
Project:	Stiller Pond	Sample Size:	14.1 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:32	% Solids:	71.1	QC Batch:	B6B0040
				Date Analyzed :	16-Feb-16 23:35
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	525				Total octaCB	812			B
PCB-181	ND	0.398			Total nonaCB	185			
PCB-182/187	416				DecaCB	96.5			
PCB-183	156				Total PCB	17200			B
PCB-184	ND		0.419						
PCB-185	33.0								
PCB-186	ND	0.311							
PCB-188	0.620			J					
PCB-189	11.1								
PCB-190	58.6								
PCB-191	9.72								
PCB-192	ND	0.309							
PCB-193	32.5								
PCB-194	139			B					
PCB-195	65.0								
PCB-196/203	232								
PCB-197	6.37								
PCB-198	10.6								
PCB-199	245								
PCB-200	25.8								
PCB-201	25.7								
PCB-202	55.7								
PCB-204	ND	0.402							
PCB-205	7.25								
PCB-206	128								
PCB-207	15.3								
PCB-208	41.8								
PCB-209	96.5								
Total monoCB	15.1								
Total diCB	85.0								
Total triCB	218		219						
Total tetraCB	1310								
Total pentaCB	5980		5990						
Total hexaCB	6150								
Total heptaCB	2310								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #6

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-06
Project:	Stiller Pond	Sample Size:	14.1 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:32	% Solids:	71.1	QC Batch:	B6B0040
				Date Analyzed:	16-Feb-16 23:35
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	75.3	5 -145		13C-PCB-170	89.9	10 -145	
13C-PCB-3	80.9	5 -145		13C-PCB-180	94.1	10 -145	
13C-PCB-4	77.2	5 -145		13C-PCB-188	81.7	10 -145	
13C-PCB-11	94.4	5 -145		13C-PCB-189	96.8	10 -145	
13C-PCB-9	83.5	5 -145		13C-PCB-194	98.3	10 -145	
13C-PCB-19	81.9	5 -145		13C-PCB-202	72.8	10 -145	
13C-PCB-28	92.7	5 -145		13C-PCB-206	109	10 -145	
13C-PCB-32	87.1	5 -145		13C-PCB-208	100	10 -145	
13C-PCB-37	98.3	5 -145		13C-PCB-209	118	10 -145	
13C-PCB-47	88.8	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	90.1	5 -145		13C-PCB-178	101	10 -145	
13C-PCB-54	82.1	5 -145					
13C-PCB-70	91.2	5 -145					
13C-PCB-77	94.7	10 -145					
13C-PCB-80	90.2	10 -145					
13C-PCB-81	96.0	10 -145					
13C-PCB-95	93.1	10 -145					
13C-PCB-97	98.2	10 -145					
13C-PCB-101	94.3	10 -145					
13C-PCB-104	88.2	10 -145					
13C-PCB-105	99.3	10 -145					
13C-PCB-114	93.1	10 -145					
13C-PCB-118	98.3	10 -145					
13C-PCB-123	104	10 -145					
13C-PCB-126	106	10 -145					
13C-PCB-127	99.0	10 -145					
13C-PCB-138	95.0	10 -145					
13C-PCB-141	90.8	10 -145					
13C-PCB-153	87.6	10 -145					
13C-PCB-155	88.2	10 -145					
13C-PCB-156	96.7	10 -145					
13C-PCB-157	96.5	10 -145					
13C-PCB-159	93.9	10 -145					
13C-PCB-167	95.9	10 -145					
13C-PCB-169	97.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-07
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:42	% Solids:	73.1	QC Batch:	B6B0040
				Date Analyzed:	17-Feb-16 00:40
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.65			J	PCB-44	3.42			
PCB-2	6.32				PCB-45	ND	0.349		
PCB-3	3.84				PCB-46	ND	0.383		
PCB-4/10	ND	4.31			PCB-47	3.28			
PCB-5/8	ND		1.44		PCB-48/75	0.617			J
PCB-6	ND	3.47			PCB-50	ND	0.371		
PCB-7/9	ND	3.43			PCB-51	ND	0.313		
PCB-11	9.24				PCB-52/69	6.42			
PCB-12/13	ND	3.28			PCB-53	ND	0.320		
PCB-14	ND	2.82			PCB-54	ND	0.282		
PCB-15	5.71				PCB-55	0.348			J
PCB-16/32	ND	0.325			PCB-56/60	5.17			
PCB-17	ND	0.356			PCB-57	ND	0.240		
PCB-18	ND		0.956		PCB-58	ND	0.364		
PCB-19	ND	0.412			PCB-61/70	18.8			
PCB-20/21/33	ND		1.23		PCB-62	ND	0.251		
PCB-22	ND		0.910		PCB-63	0.535			J
PCB-23	ND	0.333			PCB-65	ND	0.259		
PCB-24/27	ND	0.262			PCB-66/76	10.1			
PCB-25	ND		0.337		PCB-67	ND	0.246		
PCB-26	ND		0.621		PCB-68	0.515			J
PCB-28	4.42				PCB-73	ND	0.258		
PCB-29	ND	0.333			PCB-74	2.87			
PCB-30	ND	0.261			PCB-77	3.35			
PCB-31	3.14				PCB-78	ND	0.229		
PCB-34	ND	0.310			PCB-79	1.21			J
PCB-35	ND	0.353			PCB-80	ND	0.201		
PCB-36	ND	0.341			PCB-81	0.206			J
PCB-37	3.52				PCB-82	ND		2.92	
PCB-38	ND	0.357			PCB-83	ND	0.475		
PCB-39	ND	0.352			PCB-84/92	14.7			
PCB-40	0.519			J	PCB-85/116	16.3			
PCB-41/64/71/72	4.01			J	PCB-86	ND	0.764		
PCB-42/59	1.13			J	PCB-87/117/125	17.0			
PCB-43/49	9.25				PCB-88/91	4.58			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #7

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-07	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	13.7 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:42		% Solids:	73.1	Date Analyzed :	17-Feb-16 00:40	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.695			PCB-136	4.62			
PCB-90/101	59.4				PCB-137	4.51			
PCB-93	ND	0.718			PCB-138/163/164	121			
PCB-94	ND	0.674			PCB-139/149	61.9			
PCB-95/98/102	17.0				PCB-140	0.765			J
PCB-96	ND	0.496			PCB-141	15.1			
PCB-97	10.5				PCB-144	2.74			
PCB-99	40.9				PCB-145	ND	0.369		
PCB-100	ND	0.562			PCB-146/165	18.6			
PCB-103	ND	0.559			PCB-147	2.16			J
PCB-104	ND	0.428			PCB-148	ND	0.494		
PCB-105	20.9				PCB-150	ND	0.358		
PCB-106/118	56.5				PCB-151	17.0			
PCB-107/109	7.77				PCB-152	ND	0.345		
PCB-108/112	1.46			J	PCB-153	107			
PCB-110	70.5				PCB-154	ND		1.18	
PCB-111/115	0.619			J	PCB-155	ND	0.337		
PCB-113	ND	0.516			PCB-156	11.7			
PCB-114	0.850			J	PCB-157	3.37			
PCB-119	1.67			J	PCB-158/160	9.14			
PCB-120	0.518			J	PCB-159	ND	0.383		
PCB-121	ND	0.433			PCB-166	ND	0.410		
PCB-122	0.968			J	PCB-167	6.15			
PCB-123	1.78			J	PCB-168	ND	0.392		
PCB-124	3.97				PCB-169	ND	0.407		
PCB-126	0.919			J	PCB-170	24.6			
PCB-127	ND	0.421			PCB-171	6.18			
PCB-128/162	21.6				PCB-172	4.89			
PCB-129	3.22				PCB-173	ND	0.418		
PCB-130	10.5				PCB-174	23.7			
PCB-131	ND	0.630			PCB-175	0.949			J
PCB-132/161	19.0				PCB-176	2.07			J
PCB-133/142	2.98			J	PCB-177	16.2			
PCB-134/143	3.04			J	PCB-178	6.54			
PCB-135	9.86				PCB-179	10.3			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-07
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:42	% Solids:	73.1	QC Batch:	B6B0040
				Date Analyzed :	17-Feb-16 00:40
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	52.5				Total octaCB	85.0			B
PCB-181	ND	0.342			Total nonaCB	22.8			
PCB-182/187	40.3				DecaCB	13.4			
PCB-183	11.8				Total PCB	1250			B
PCB-184	ND	0.275							
PCB-185	3.27								
PCB-186	ND	0.252							
PCB-188	ND	0.242							
PCB-189	1.11			J					
PCB-190	5.28								
PCB-191	0.728			J					
PCB-192	ND	0.266							
PCB-193	3.31								
PCB-194	15.0			B					
PCB-195	5.94								
PCB-196/203	23.2								
PCB-197	0.975			J					
PCB-198	0.928			J					
PCB-199	27.0								
PCB-200	2.65								
PCB-201	2.47			J					
PCB-202	6.00								
PCB-204	ND	0.451							
PCB-205	0.762			J					
PCB-206	15.4								
PCB-207	2.14			J					
PCB-208	5.28								
PCB-209	13.4								
Total monoCB	11.8								
Total diCB	15.0		16.4						
Total triCB	11.1		15.1						
Total tetraCB	71.7								
Total pentaCB	349		352						
Total hexaCB	456		457						
Total heptaCB	214								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #7

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-07
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:42	% Solids:	73.1	QC Batch:	B6B0040
				Date Analyzed:	17-Feb-16 00:40
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	50.8	5 -145		13C-PCB-170	94.2	10 -145	
13C-PCB-3	68.1	5 -145		13C-PCB-180	93.6	10 -145	
13C-PCB-4	79.6	5 -145		13C-PCB-188	86.8	10 -145	
13C-PCB-11	91.8	5 -145		13C-PCB-189	97.8	10 -145	
13C-PCB-9	84.8	5 -145		13C-PCB-194	98.2	10 -145	
13C-PCB-19	83.1	5 -145		13C-PCB-202	72.8	10 -145	
13C-PCB-28	93.5	5 -145		13C-PCB-206	105	10 -145	
13C-PCB-32	86.1	5 -145		13C-PCB-208	96.3	10 -145	
13C-PCB-37	94.7	5 -145		13C-PCB-209	115	10 -145	
13C-PCB-47	91.4	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	92.5	5 -145		13C-PCB-178	103	10 -145	
13C-PCB-54	78.4	5 -145					
13C-PCB-70	89.5	5 -145					
13C-PCB-77	91.6	10 -145					
13C-PCB-80	90.1	10 -145					
13C-PCB-81	94.2	10 -145					
13C-PCB-95	95.6	10 -145					
13C-PCB-97	98.8	10 -145					
13C-PCB-101	95.7	10 -145					
13C-PCB-104	92.1	10 -145					
13C-PCB-105	97.7	10 -145					
13C-PCB-114	93.1	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	103	10 -145					
13C-PCB-127	97.9	10 -145					
13C-PCB-138	93.1	10 -145					
13C-PCB-141	92.1	10 -145					
13C-PCB-153	90.3	10 -145					
13C-PCB-155	93.2	10 -145					
13C-PCB-156	96.7	10 -145					
13C-PCB-157	97.1	10 -145					
13C-PCB-159	95.6	10 -145					
13C-PCB-167	94.5	10 -145					
13C-PCB-169	98.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #8

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-08	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	13.7 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:47		% Solids:	74.7	Date Analyzed :	18-Feb-16 03:57 Column: ZB-1 Analyst: MAS		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.252			PCB-44	0.692			J
PCB-2	0.474			J	PCB-45	ND	0.222		
PCB-3	0.440			J	PCB-46	ND	0.244		
PCB-4/10	ND	0.990			PCB-47	0.783			J
PCB-5/8	ND	0.798			PCB-48/75	ND	0.174		
PCB-6	ND	0.820			PCB-50	ND	0.259		
PCB-7/9	ND	0.810			PCB-51	ND	0.199		
PCB-11	1.14			J	PCB-52/69	1.37			J
PCB-12/13	ND	0.751			PCB-53	ND	0.204		
PCB-14	ND	0.647			PCB-54	ND	0.197		
PCB-15	0.721			J	PCB-55	ND	0.136		
PCB-16/32	0.406			J	PCB-56/60	0.899			J
PCB-17	ND	0.427			PCB-57	ND	0.154		
PCB-18	ND	0.461			PCB-58	ND	0.152		
PCB-19	ND	0.213			PCB-61/70	3.06			J
PCB-20/21/33	ND	0.675			PCB-62	ND	0.169		
PCB-22	ND	0.671			PCB-63	ND	0.149		
PCB-23	ND	0.145			PCB-65	ND	0.175		
PCB-24/27	ND	0.131			PCB-66/76	1.74			J
PCB-25	ND	0.160			PCB-67	ND	0.158		
PCB-26	ND	0.142			PCB-68	ND	0.143		
PCB-28	0.925			J	PCB-73	ND	0.164		
PCB-29	ND	0.145			PCB-74	0.524			J
PCB-30	ND	0.135			PCB-77	0.508			J
PCB-31	ND		0.446		PCB-78	ND	0.153		
PCB-34	ND	0.135			PCB-79	0.243			J
PCB-35	ND	0.147			PCB-80	ND	0.126		
PCB-36	ND	0.143			PCB-81	ND	0.140		
PCB-37	0.502			J	PCB-82	0.596			J
PCB-38	ND	0.149			PCB-83	ND	0.331		
PCB-39	ND	0.147			PCB-84/92	3.03			J
PCB-40	ND	0.268			PCB-85/116	2.96			J
PCB-41/64/71/72	1.34			J	PCB-86	ND	0.533		
PCB-42/59	0.229			J	PCB-87/117/125	2.88			J
PCB-43/49	1.47			J	PCB-88/91	0.922			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #8

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-08	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	13.7 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:47		% Solids:	74.7	Date Analyzed:	18-Feb-16 03:57	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.490			PCB-136	1.02			J
PCB-90/101	10.8				PCB-137	1.36			J
PCB-93	ND	0.501			PCB-138/163/164	24.2			
PCB-94	ND	0.471			PCB-139/149	12.8			
PCB-95/98/102	3.04			J	PCB-140	ND	0.321		
PCB-96	ND	0.350			PCB-141	2.48			
PCB-97	1.76			J	PCB-144	ND		0.391	
PCB-99	8.43				PCB-145	ND	0.228		
PCB-100	ND	0.396			PCB-146/165	3.99			J
PCB-103	ND	0.394			PCB-147	0.663			J
PCB-104	ND	0.302			PCB-148	ND	0.305		
PCB-105	3.30				PCB-150	ND	0.221		
PCB-106/118	8.49				PCB-151	4.12			
PCB-107/109	1.40			J	PCB-152	ND	0.214		
PCB-108/112	ND		0.275		PCB-153	21.5			
PCB-110	13.0				PCB-154	ND		0.298	
PCB-111/115	ND		0.147		PCB-155	ND	0.208		
PCB-113	ND	0.364			PCB-156	2.06			J
PCB-114	ND	0.449			PCB-157	0.633			J
PCB-119	0.463			J	PCB-158/160	1.81			J
PCB-120	ND	0.277			PCB-159	ND	0.198		
PCB-121	ND	0.302			PCB-166	ND	0.212		
PCB-122	ND	0.535			PCB-167	1.09			J
PCB-123	ND		0.294		PCB-168	ND	0.196		
PCB-124	0.570			J	PCB-169	ND	0.300		
PCB-126	ND	0.544			PCB-170	4.64			
PCB-127	ND	0.247			PCB-171	1.25			J
PCB-128/162	4.16			J	PCB-172	1.15			J
PCB-129	0.698			J	PCB-173	ND	0.246		
PCB-130	2.01			J	PCB-174	4.98			
PCB-131	ND	0.315			PCB-175	0.224			J
PCB-132/161	3.74			J	PCB-176	0.468			J
PCB-133/142	0.571			J	PCB-177	3.51			
PCB-134/143	0.615			J	PCB-178	1.30			J
PCB-135	2.05			J	PCB-179	2.04			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-08
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:47	% Solids:	74.7	QC Batch:	B6B0040
				Date Analyzed:	18-Feb-16 03:57
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	9.99				Total octaCB	17.7		17.9	B
PCB-181	ND	0.201			Total nonaCB	5.44			
PCB-182/187	8.70				DecaCB	3.30			
PCB-183	2.42			J	Total PCB	240			B
PCB-184	ND	0.167							
PCB-185	ND		0.456						
PCB-186	ND	0.153							
PCB-188	ND	0.147							
PCB-189	0.263			J					
PCB-190	1.14			J					
PCB-191	ND	0.387							
PCB-192	ND	0.156							
PCB-193	0.749			J					
PCB-194	3.12			B					
PCB-195	1.27			J					
PCB-196/203	4.76			J					
PCB-197	ND	0.208							
PCB-198	0.372			J					
PCB-199	5.64								
PCB-200	0.629			J					
PCB-201	0.495			J					
PCB-202	1.39			J					
PCB-204	ND	0.226							
PCB-205	ND		0.204						
PCB-206	3.56								
PCB-207	0.545			J					
PCB-208	1.33			J					
PCB-209	3.30								
Total monoCB	0.915								
Total diCB	1.86								
Total triCB	1.83		2.28						
Total tetraCB	12.9								
Total pentaCB	61.7		62.4						
Total hexaCB	91.6		92.3						
Total heptaCB	42.8		43.3						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #8

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-08
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:47	% Solids:	74.7	QC Batch:	B6B0040
				Date Analyzed:	18-Feb-16 03:57
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	68.5	5 -145		13C-PCB-170	108	10 -145	
13C-PCB-3	82.8	5 -145		13C-PCB-180	97.9	10 -145	
13C-PCB-4	76.0	5 -145		13C-PCB-188	87.8	10 -145	
13C-PCB-11	89.4	5 -145		13C-PCB-189	105	10 -145	
13C-PCB-9	79.7	5 -145		13C-PCB-194	86.2	10 -145	
13C-PCB-19	88.9	5 -145		13C-PCB-202	91.3	10 -145	
13C-PCB-28	92.7	5 -145		13C-PCB-206	103	10 -145	
13C-PCB-32	92.4	5 -145		13C-PCB-208	76.5	10 -145	
13C-PCB-37	101	5 -145		13C-PCB-209	106	10 -145	
13C-PCB-47	88.7	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	92.0	5 -145		13C-PCB-178	105	10 -145	
13C-PCB-54	73.1	5 -145					
13C-PCB-70	89.7	5 -145					
13C-PCB-77	95.6	10 -145					
13C-PCB-80	91.3	10 -145					
13C-PCB-81	91.1	10 -145					
13C-PCB-95	95.4	10 -145					
13C-PCB-97	97.4	10 -145					
13C-PCB-101	94.5	10 -145					
13C-PCB-104	92.9	10 -145					
13C-PCB-105	98.6	10 -145					
13C-PCB-114	92.9	10 -145					
13C-PCB-118	99.5	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	104	10 -145					
13C-PCB-127	99.9	10 -145					
13C-PCB-138	93.0	10 -145					
13C-PCB-141	93.2	10 -145					
13C-PCB-153	90.5	10 -145					
13C-PCB-155	95.1	10 -145					
13C-PCB-156	98.2	10 -145					
13C-PCB-157	95.0	10 -145					
13C-PCB-159	95.2	10 -145					
13C-PCB-167	96.3	10 -145					
13C-PCB-169	105	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-09	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond	Sample Size:	14.2 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 10:55	% Solids:	70.7	Date Analyzed :	18-Feb-16 05:02	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.32			J	PCB-44	5.61			
PCB-2	1.69			J	PCB-45	0.225			J
PCB-3	2.58				PCB-46	ND	0.269		
PCB-4/10	ND	1.06			PCB-47	5.85			
PCB-5/8	2.77			J	PCB-48/75	0.681			J
PCB-6	ND	0.860			PCB-50	ND	0.257		
PCB-7/9	ND	0.849			PCB-51	ND	0.220		
PCB-11	7.35				PCB-52/69	11.9			
PCB-12/13	1.45			J	PCB-53	0.217			J
PCB-14	ND	0.681			PCB-54	ND	0.195		
PCB-15	9.95				PCB-55	0.353			J
PCB-16/32	1.07			J	PCB-56/60	11.9			
PCB-17	0.532			J	PCB-57	ND	0.156		
PCB-18	1.52			J	PCB-58	0.352			J
PCB-19	ND	0.220			PCB-61/70	41.8			
PCB-20/21/33	2.70			J	PCB-62	ND	0.170		
PCB-22	1.81			J	PCB-63	0.586			J
PCB-23	ND	0.201			PCB-65	ND	0.175		
PCB-24/27	ND	0.134			PCB-66/76	19.7			
PCB-25	ND		0.564		PCB-67	0.409			J
PCB-26	0.893			J	PCB-68	1.10			J
PCB-28	7.82				PCB-73	ND	0.181		
PCB-29	ND	0.201			PCB-74	6.10			
PCB-30	ND	0.139			PCB-77	7.92			
PCB-31	4.93				PCB-78	ND	0.154		
PCB-34	ND	0.187			PCB-79	2.38			J
PCB-35	ND		0.437		PCB-80	ND	0.129		
PCB-36	ND	0.188			PCB-81	0.587			J
PCB-37	7.76				PCB-82	11.6			
PCB-38	ND	0.197			PCB-83	ND	0.327		
PCB-39	ND	0.194			PCB-84/92	41.0			
PCB-40	0.784			J	PCB-85/116	40.7			
PCB-41/64/71/72	6.78			J	PCB-86	ND	0.525		
PCB-42/59	1.74			J	PCB-87/117/125	48.8			
PCB-43/49	20.7				PCB-88/91	12.9			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-09
Project:	Stiller Pond	Sample Size:	14.2 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:55	% Solids:	70.7	QC Batch:	B6B0040
				Date Analyzed :	18-Feb-16 05:02
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.455			PCB-136	11.8			
PCB-90/101	171				PCB-137	15.0			
PCB-93	ND	0.467			PCB-138/163/164	321			
PCB-94	ND	0.438			PCB-139/149	158			
PCB-95/98/102	41.3				PCB-140	1.56			J
PCB-96	ND	0.329			PCB-141	39.0			
PCB-97	27.6				PCB-144	5.49			
PCB-99	101				PCB-145	ND	0.232		
PCB-100	0.318			J	PCB-146/165	48.3			
PCB-103	0.751			J	PCB-147	6.31			
PCB-104	ND	0.285			PCB-148	ND	0.311		
PCB-105	64.0				PCB-150	ND	0.225		
PCB-106/118	165				PCB-151	40.6			
PCB-107/109	18.4				PCB-152	ND	0.217		
PCB-108/112	4.10			J	PCB-153	279			
PCB-110	184				PCB-154	2.46			J
PCB-111/115	1.06			J	PCB-155	ND	0.212		
PCB-113	ND	0.338			PCB-156	31.7			
PCB-114	1.97			J	PCB-157	9.53			
PCB-119	3.27				PCB-158/160	26.1			
PCB-120	1.23			J	PCB-159	ND	0.243		
PCB-121	ND	0.281			PCB-166	1.01			J
PCB-122	2.29			J	PCB-167	16.6			
PCB-123	5.23				PCB-168	0.537			J
PCB-124	10.9				PCB-169	ND	0.464		
PCB-126	2.39			J	PCB-170	59.4			
PCB-127	ND	0.791			PCB-171	14.5			
PCB-128/162	55.9				PCB-172	12.4			
PCB-129	9.57				PCB-173	1.51			J
PCB-130	27.9				PCB-174	61.8			
PCB-131	ND	0.435			PCB-175	2.43			J
PCB-132/161	50.3				PCB-176	5.99			
PCB-133/142	7.69				PCB-177	38.4			
PCB-134/143	8.00				PCB-178	17.3			
PCB-135	27.3				PCB-179	27.9			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-09
Project:	Stiller Pond	Sample Size:	14.2 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:55	% Solids:	70.7	QC Batch:	B6B0040
				Date Analyzed :	18-Feb-16 05:02
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	132				Total octaCB	218			B
PCB-181	ND	0.215			Total nonaCB	76.6			
PCB-182/187	102				DecaCB	58.9			
PCB-183	32.8				Total PCB	3260			B
PCB-184	ND	0.184							
PCB-185	7.58								
PCB-186	ND	0.169							
PCB-188	ND	0.162							
PCB-189	2.78								
PCB-190	13.7								
PCB-191	2.29			J					
PCB-192	ND	0.167							
PCB-193	8.28								
PCB-194	37.4			B					
PCB-195	14.1								
PCB-196/203	61.0								
PCB-197	1.62			J					
PCB-198	2.67								
PCB-199	69.7								
PCB-200	6.59								
PCB-201	6.04								
PCB-202	17.1								
PCB-204	ND	0.267							
PCB-205	2.09			J					
PCB-206	51.4								
PCB-207	6.26								
PCB-208	19.0								
PCB-209	58.9								
Total monoCB	5.58								
Total diCB	21.5								
Total triCB	29.0		30.0						
Total tetraCB	148								
Total pentaCB	960								
Total hexaCB	1200								
Total heptaCB	543								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #9

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-09
Project:	Stiller Pond	Sample Size:	14.2 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 10:55	% Solids:	70.7	QC Batch:	B6B0040
				Date Analyzed:	18-Feb-16 05:02
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	59.1	5 -145		13C-PCB-170	91.1	10 -145	
13C-PCB-3	73.5	5 -145		13C-PCB-180	87.6	10 -145	
13C-PCB-4	69.2	5 -145		13C-PCB-188	73.6	10 -145	
13C-PCB-11	81.8	5 -145		13C-PCB-189	92.8	10 -145	
13C-PCB-9	74.1	5 -145		13C-PCB-194	76.2	10 -145	
13C-PCB-19	79.9	5 -145		13C-PCB-202	80.4	10 -145	
13C-PCB-28	71.4	5 -145		13C-PCB-206	87.1	10 -145	
13C-PCB-32	84.2	5 -145		13C-PCB-208	67.0	10 -145	
13C-PCB-37	84.8	5 -145		13C-PCB-209	89.9	10 -145	
13C-PCB-47	79.1	5 -145		CRS 13C-PCB-79	92.2	10 -145	
13C-PCB-52	80.1	5 -145		13C-PCB-178	91.4	10 -145	
13C-PCB-54	62.8	5 -145					
13C-PCB-70	80.9	5 -145					
13C-PCB-77	82.4	10 -145					
13C-PCB-80	81.3	10 -145					
13C-PCB-81	80.1	10 -145					
13C-PCB-95	80.9	10 -145					
13C-PCB-97	84.2	10 -145					
13C-PCB-101	80.8	10 -145					
13C-PCB-104	81.6	10 -145					
13C-PCB-105	84.9	10 -145					
13C-PCB-114	79.1	10 -145					
13C-PCB-118	84.9	10 -145					
13C-PCB-123	90.3	10 -145					
13C-PCB-126	91.4	10 -145					
13C-PCB-127	86.7	10 -145					
13C-PCB-138	79.5	10 -145					
13C-PCB-141	79.6	10 -145					
13C-PCB-153	75.2	10 -145					
13C-PCB-155	83.1	10 -145					
13C-PCB-156	86.1	10 -145					
13C-PCB-157	85.3	10 -145					
13C-PCB-159	84.5	10 -145					
13C-PCB-167	85.4	10 -145					
13C-PCB-169	93.1	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #10

EPA Method 1668C

Client Data			Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council		Matrix:	Soil	Lab Sample:	1600092-10	Date Received:	04-Feb-2016 9:53
Project:	Stiller Pond		Sample Size:	13.7 g	QC Batch:	B6B0040	Date Extracted:	09-Feb-2016 10:07
Date Collected:	03-Feb-2016 11:00		% Solids:	73.1	Date Analyzed :	18-Feb-16 06:07	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	0.875			J	PCB-44	3.43			
PCB-2	1.19			J	PCB-45	ND	0.321		
PCB-3	1.96			J	PCB-46	ND	0.352		
PCB-4/10	ND	0.985			PCB-47	3.50			
PCB-5/8	1.91			J	PCB-48/75	0.449			J
PCB-6	ND	0.807			PCB-50	ND	0.351		
PCB-7/9	ND	0.797			PCB-51	ND	0.288		
PCB-11	3.87				PCB-52/69	6.02			
PCB-12/13	0.847			J	PCB-53	ND	0.294		
PCB-14	ND	0.614			PCB-54	ND	0.267		
PCB-15	5.19				PCB-55	0.324			J
PCB-16/32	0.855			J	PCB-56/60	6.04			
PCB-17	ND	0.183			PCB-57	ND	0.200		
PCB-18	ND		0.938		PCB-58	ND		0.184	
PCB-19	ND	0.223			PCB-61/70	22.1			
PCB-20/21/33	1.34			J	PCB-62	ND	0.238		
PCB-22	ND		0.683		PCB-63	0.591			J
PCB-23	ND	0.184			PCB-65	ND	0.245		
PCB-24/27	ND	0.135			PCB-66/76	10.0			
PCB-25	ND	0.203			PCB-67	0.230			J
PCB-26	0.512			J	PCB-68	0.506			J
PCB-28	4.51				PCB-73	ND	0.237		
PCB-29	ND	0.184			PCB-74	3.53			
PCB-30	ND	0.141			PCB-77	3.70			
PCB-31	2.91				PCB-78	ND	0.195		
PCB-34	ND	0.172			PCB-79	ND		1.51	
PCB-35	ND	0.166			PCB-80	ND	0.169		
PCB-36	ND	0.160			PCB-81	0.256			J
PCB-37	3.95				PCB-82	5.86			
PCB-38	ND	0.167			PCB-83	ND	0.531		
PCB-39	ND	0.165			PCB-84/92	24.4			
PCB-40	ND	0.376			PCB-85/116	29.0			
PCB-41/64/71/72	4.78			J	PCB-86	ND	0.854		
PCB-42/59	0.958			J	PCB-87/117/125	28.5			
PCB-43/49	12.4				PCB-88/91	8.59			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-10
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:00	% Solids:	73.1	QC Batch:	B6B0040
				Date Analyzed:	18-Feb-16 06:07
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.787			PCB-136	7.73			
PCB-90/101	111				PCB-137	9.95			
PCB-93	ND	0.830			PCB-138/163/164	227			
PCB-94	ND	0.780			PCB-139/149	112			
PCB-95/98/102	19.4				PCB-140	0.815			J
PCB-96	ND	0.525			PCB-141	26.9			
PCB-97	15.0				PCB-144	4.01			
PCB-99	70.6				PCB-145	ND	0.262		
PCB-100	ND	0.730			PCB-146/165	34.2			
PCB-103	0.642			J	PCB-147	4.92			
PCB-104	ND	0.454			PCB-148	ND	0.350		
PCB-105	31.5				PCB-150	ND	0.254		
PCB-106/118	88.6				PCB-151	30.5			
PCB-107/109	14.0				PCB-152	ND	0.245		
PCB-108/112	2.20			J	PCB-153	196			
PCB-110	134				PCB-154	1.93			J
PCB-111/115	1.23			J	PCB-155	ND	0.239		
PCB-113	ND	0.585			PCB-156	21.4			
PCB-114	1.28			J	PCB-157	6.28			
PCB-119	2.39			J	PCB-158/160	18.1			
PCB-120	0.860			J	PCB-159	ND	0.255		
PCB-121	ND	0.500			PCB-166	0.796			J
PCB-122	1.56			J	PCB-167	11.1			
PCB-123	3.50				PCB-168	0.375			J
PCB-124	7.76				PCB-169	ND	0.290		
PCB-126	1.51			J	PCB-170	40.5			
PCB-127	ND	0.591			PCB-171	9.47			
PCB-128/162	38.8				PCB-172	8.52			
PCB-129	6.23				PCB-173	ND		0.859	
PCB-130	21.0				PCB-174	41.2			
PCB-131	ND	0.434			PCB-175	1.98			J
PCB-132/161	29.2				PCB-176	3.82			
PCB-133/142	5.11				PCB-177	27.9			
PCB-134/143	4.81			J	PCB-178	12.3			
PCB-135	18.1				PCB-179	18.6			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-10
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:00	% Solids:	73.1	QC Batch:	B6B0040
				Date Analyzed :	18-Feb-16 06:07
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	87.3				Total octaCB	142			B
PCB-181	ND	0.222			Total nonaCB	50.2			
PCB-182/187	69.5				DecaCB	35.9			
PCB-183	20.2				Total PCB	2140			B
PCB-184	ND	0.189							
PCB-185	4.91								
PCB-186	ND	0.173							
PCB-188	ND	0.166							
PCB-189	1.94			J					
PCB-190	9.28								
PCB-191	1.40			J					
PCB-192	ND	0.172							
PCB-193	5.35								
PCB-194	24.4			B					
PCB-195	9.23								
PCB-196/203	38.4								
PCB-197	0.922			J					
PCB-198	1.68			J					
PCB-199	46.6								
PCB-200	4.18								
PCB-201	3.84								
PCB-202	11.3								
PCB-204	ND	0.241							
PCB-205	1.44			J					
PCB-206	33.7								
PCB-207	4.27								
PCB-208	12.2								
PCB-209	35.9								
Total monoCB	4.03								
Total diCB	11.8								
Total triCB	14.1		15.7						
Total tetraCB	78.8		80.5						
Total pentaCB	604								
Total hexaCB	838								
Total heptaCB	364		365						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

Sample ID: Soil #10

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Soil	Lab Sample:	1600092-10
Project:	Stiller Pond	Sample Size:	13.7 g	Date Received:	04-Feb-2016 9:53
Date Collected:	03-Feb-2016 11:00	% Solids:	73.1	QC Batch:	B6B0040
				Date Analyzed:	18-Feb-16 06:07
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	63.3	5 -145		13C-PCB-170	103	10 -145	
13C-PCB-3	84.0	5 -145		13C-PCB-180	94.5	10 -145	
13C-PCB-4	72.6	5 -145		13C-PCB-188	83.4	10 -145	
13C-PCB-11	89.1	5 -145		13C-PCB-189	103	10 -145	
13C-PCB-9	75.8	5 -145		13C-PCB-194	87.4	10 -145	
13C-PCB-19	87.2	5 -145		13C-PCB-202	90.6	10 -145	
13C-PCB-28	87.2	5 -145		13C-PCB-206	96.3	10 -145	
13C-PCB-32	92.0	5 -145		13C-PCB-208	74.7	10 -145	
13C-PCB-37	99.8	5 -145		13C-PCB-209	100	10 -145	
13C-PCB-47	89.4	5 -145		CRS 13C-PCB-79	100	10 -145	
13C-PCB-52	92.2	5 -145		13C-PCB-178	98.5	10 -145	
13C-PCB-54	68.4	5 -145					
13C-PCB-70	88.8	5 -145					
13C-PCB-77	89.0	10 -145					
13C-PCB-80	86.6	10 -145					
13C-PCB-81	88.9	10 -145					
13C-PCB-95	89.8	10 -145					
13C-PCB-97	92.8	10 -145					
13C-PCB-101	92.8	10 -145					
13C-PCB-104	91.4	10 -145					
13C-PCB-105	97.2	10 -145					
13C-PCB-114	91.4	10 -145					
13C-PCB-118	96.5	10 -145					
13C-PCB-123	99.6	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	98.0	10 -145					
13C-PCB-138	90.0	10 -145					
13C-PCB-141	88.8	10 -145					
13C-PCB-153	87.0	10 -145					
13C-PCB-155	93.0	10 -145					
13C-PCB-156	97.0	10 -145					
13C-PCB-157	93.8	10 -145					
13C-PCB-159	94.3	10 -145					
13C-PCB-167	94.3	10 -145					
13C-PCB-169	103	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132016-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee department of Environmental Quality	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured Yes No

Laboratory Project ID: 1600092 Temp 0.1 °C

Storage ID: WR-8

Project I.D.: STILLER POND P.O.# _____ Sampler: TARA PATTON
(Name)

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

Invoice to: Name CHIPS SHEETS Company LOWBWC Address 810 S MAIN City MELTON-FREEWATER State OR Zip 97862 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) [Signature] Date: 2-3-16 Time: 14:00 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) UPS Date: _____ Time: _____ Received by: (Signature and Printed Name) Beth Benedict & Benedict Date: 02/04/16 Time: 0959

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

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

Method of Shipment: UPS

Tracking No.: _____

ATTN: _____

Quantity	Type	Matrix	Add Analysis(es) Requested																	
			2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29			
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				
1	G	SO													X	X				

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTON
Company: LOWBWC
Address: 810 S MAIN
City: MELTON-FREEWATER State: OR Zip: 97862
Phone: 541-938-2170 Fax: _____
Email: STEVEN.PATTON@LOWBWC.ORG
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
AQ = Aqueous, O = Other

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

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

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600092 TAT Stel

Samples Arrival:	Date/Time 02/04/16 0953	Initials: UBSB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 02/04/16 1319	Initials: UBSB	Location: WR-2
			Shelf/Rack: E4
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 0.7 (uncorrected)	Time: 0959		Thermometer ID: IR-2
Temp °C: 0.1 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>1Z62E3F7015183568</u>	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?			<u>None</u>
COC			
Sample Container			
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
		Return	Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

May 5, 2016

Page 1 of 1

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

RE: 16-07632 - Walla Walla Basin Aquifer Recharge

Dear Mr. Steve Patten,

Your project: Walla Walla Basin Aquifer Recharge, was received on Friday April 08, 2016.

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

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

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

May 5, 2016

Page 1 of 2

Case Narrative

Reference: **16-07632**

Lab Sample ID	Sample Information
17648	Stiller Pond - Mill Creek

Notes Sample Note	Sample said to smell of seawater, or pond water	Created by ANP
Analytical Method 200.8	Notes High LFB results for Cu and Zn; samples rerun on 4/19/16 for Cu Zn LFB results for 4/19/16 acceptable. Confirmation results for 4/19/16 suggest laboratory conrtamination for some Cu and Zn samples at low concentrations.	Created by BJ
Analytical Method SM2120 B	Notes Sample was filtered prior to analysis.	Created by RHF

Lab Sample ID	Sample Information
17649	Stiller Pond - GW_136

Analytical Method 200.8	Notes High LFB results for Cu and Zn; samples rerun on 4/19/16 for Cu Zn LFB results for 4/19/16 acceptable. Confirmation results for 4/19/16 suggest laboratory conrtamination for some Cu and Zn samples at low concentrations.	Created by BJ
Analytical Method SM2120 B	Notes Sample was filtered prior to analysis.	Created by RHF

Lab Sample ID	Sample Information
17650	Stiller Pond - GW_145

Analytical Method 200.8	Notes High LFB results for Cu and Zn; samples rerun on 4/19/16 for Cu Zn LFB results for 4/19/16 acceptable. Confirmation results for 4/19/16 suggest laboratory conrtamination for some Cu and Zn samples at low concentrations.	Created by BJ
Analytical Method	Notes	Created by

Case Narrative

Reference: **16-07632**



SM2120 B

Sample was filtered prior to analysis.

Page 2 of 2

RHF

Lab Sample ID	Sample Information
17651	Stiller Pond - GW_146

Analytical Method	Notes	Created by
200.8	High LFB results for Cu and Zn; samples rerun on 4/19/16 for Cu Zn LFB results for 4/19/16 acceptable. Confirmation results for 4/19/16	BJ

Analytical Method	Notes	Created by
SM2120 B	Sample was filtered prior to analysis.	RHF

Lab Sample ID	Sample Information
17652	Stiller Pond - GW_147

Analytical Method	Notes	Created by
200.8	High LFB results for Cu and Zn; samples rerun on 4/19/16 for Cu Zn LFB results for 4/19/16 acceptable. Confirmation results for 4/19/16	BJ



Burlington, WA *Corporate Laboratory (a)*
 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
 Bellingham, WA *Microbiology (b)*
 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802
 Corvallis, OR *Microbiology/Chemistry (d)*
 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR *Microbiology (e)*
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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

Reference Number: **16-07632**
 Project: Walla Walla Basin Aquifer Recharge

Report Date: 5/5/16

Date Received: 4/15/16

Approved by: anp,bj,clc,clh,fr,jaa,mvp

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Stiller Pond - Mill Creek Sample Date: 4/7/16 8:45 am
 Lab Number: 17648 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	5.43	0.10		NTU	1.0	180.1	a	4/15/16	RHF	TURB_160415	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/13/16	MMH	245.1_160413	
16887-00-6	CHLORIDE	3.3	0.1	0.0043	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
14808-79-8	SULFATE	2.7	0.2	0.0087	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
NA	CORROSIVITY	-1.76			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	ND N1	5		Color Units	1.0	SM2120 B	a	4/15/16	RHF	COLOR_160415	pH: 7.5
E-11734	ODOR	3.6 N1	1		TON	1.0	SM2150	a	4/15/16	RHF	ODOR_160415	Temperature: 40.2
NA	BICARBONATE	40	1		mg CaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	91	10		mg/L	1.0	SM2540 C	a	4/11/16	MMH	TDS_160411	
E-10139	HYDROGEN ION (pH)	7.44 H5			pH Units	1.0	SM4500-H+ B	a	4/15/16	RHF	PH_160415	
14797-55-8	NITRATE-N	0.64	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	4/15/16	ANP	NO3NO2_160415	
14265-44-2	ORTHO-PHOSPHATE	0.17	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/15/16	ANP	OPHOS_160415	
NA	SURFACTANTS	0.034	0.05	0.05	mg/L	1.0	SM5540 C		5/4/16	MJ	AMTE5540_16050	Analyzed by Amtest
7440-70-2	CALCIUM	8.4	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.20	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.0043	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.00019 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.011	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	0.0003 J	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.00099 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	

Notes:

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

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

Data Report

7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW
7440-66-6	ZINC	0.003	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW
	E. Coli	84.2 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/16/16	CKK	qt_160415
	TOTAL COLIFORM	>2419.6 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/16/16	CKK	qt_160415
7723-14-0	TOTAL PHOSPHORUS	0.183	0.010	0.0061	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/12/16	ANP	TPHOS_160412

Notes:

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

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

D.F. - Dilution Factor

Data Report

Sample Description: Stiller Pond - GW_136										Sample Date: 4/7/16 8:35 am		
Lab Number: 17649		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	387	1		NTU	10.0	180.1	a	4/8/16	RHF	TURB_160408	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/13/16	MMH	245.1_160413	
16887-00-6	CHLORIDE	2.8	0.1	0.0043	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
16984-48-8	FLUORIDE	0.17	0.1	0.0049	mg/L	1.0	300.0	a	4/8/16	MMH	I160408A	
14808-79-8	SULFATE	3.1	0.2	0.0087	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
NA	CORROSIVITY	-0.39			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	8 N1	5		Color Units	1.0	SM2120 B	a	4/8/16	RHF	COLOR_160408	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/8/16	RHF	ODOR_160408	Temperature: 41.3
NA	BICARBONATE	108	1		mg CaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	146	20		mg/L	2.0	SM2540 C	a	4/11/16	MMH	TDS_160411	
E-10139	HYDROGEN ION (pH)	7.78 H5			pH Units	1.0	SM4500-H+ B	a	4/8/16	RHF	pH_160408	
14797-55-8	NITRATE-N	0.26	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	4/8/16	ANP	NO3NO2_160408	
14265-44-2	ORTHO-PHOSPHATE	0.27	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/8/16	ANP	OPHOS_160408	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		4/8/16	MJ	AMTE5540_160408	Analyzed by Amtest
7440-70-2	CALCIUM	34.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	14.64	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.417	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.018	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.137	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	0.00021 J	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	0.007	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.013	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	0.006	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	0.0003 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-66-6	ZINC	0.027	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
	E. Coli	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colisure	b	4/8/16	clc	qt_160408	
	TOTAL COLIFORM	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colisure	b	4/8/16	clc	qt_160408	
7723-14-0	TOTAL PHOSPHORUS	0.705	0.100	0.0061	mg/L	10.0	SM4500-P F/SM4500-P B(5)	a	4/12/16	ANP	TPHOS_160412	

Notes:

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D.F. - Dilution Factor

Data Report

Sample Description: Stiller Pond - GW_145										Sample Date: 4/7/16 9:00 am		
Lab Number: 17650		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	9.16	0.10		NTU	1.0	180.1	a	4/15/16	RHF	TURB_160415	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/13/16	MMH	245.1_160413	
16887-00-6	CHLORIDE	34.9	0.1	0.0043	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
16984-48-8	FLUORIDE	0.23	0.1	0.0049	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
14808-79-8	SULFATE	32.4	0.2	0.0087	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
NA	CORROSIVITY	-0.41			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	ND N1	5		Color Units	1.0	SM2120 B	a	4/15/16	RHF	COLOR_160415	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/15/16	RHF	ODOR_160415	Temperature: 40.0
NA	BICARBONATE	178	1		mg CaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	309	10		mg/L	1.0	SM2540 C	a	4/13/16	MMH	TDS_160413	
E-10139	HYDROGEN ION (pH)	7.48 H5			pH Units	1.0	SM4500-H+ B	a	4/15/16	RHF	PH_160415	
14797-55-8	NITRATE-N	2.12	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	4/15/16	ANP	NO3NO2_160415	
14265-44-2	ORTHO-PHOSPHATE	0.14	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/15/16	ANP	OPHOS_160415	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/4/16	MJ	AMTE5540_16050	Analyzed by Amtest
7440-70-2	CALCIUM	42.0	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.41	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.0097	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.002	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.057	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	0.00046 J	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.003	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	0.0004 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	0.0004 J	0.001	0.00016	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-66-6	ZINC	0.0019 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
	E. Coli	<1 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/16/16	CKK	qt_160415	
	TOTAL COLIFORM	12.1 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/16/16	CKK	qt_160415	
7723-14-0	TOTAL PHOSPHORUS	0.130	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/14/16	ANP	TPHOS_160414	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Stiller Pond - GW_146										Sample Date: 4/7/16 9:20 am		
Lab Number: 17651		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	191	1		NTU	10.0	180.1	a	4/15/16	RHF	TURB_160415	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/13/16	MMH	245.1_160413	
16887-00-6	CHLORIDE	25.1	0.1	0.0043	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
16984-48-8	FLUORIDE	0.27	0.1	0.0049	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
14808-79-8	SULFATE	30.9	0.2	0.0087	mg/L	1.0	300.0	a	4/16/16	MMH	I160415A	
NA	CORROSIVITY	-0.45			SI	1.0	SM203	a	4/19/16	mvp	cor_160419	
E-11712	COLOR	ND N1	5		Color Units	1.0	SM2120 B	a	4/15/16	RHF	COLOR_160415	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/15/16	RHF	ODOR_160415	Temperature: 40.0
NA	BICARBONATE	176	1		mg CaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	313	10		mg/L	1.0	SM2540 C	a	4/13/16	MMH	TDS_160413	
E-10139	HYDROGEN ION (pH)	7.52 H5			pH Units	1.0	SM4500-H+ B	a	4/15/16	RHF	PH_160415	
14797-55-8	NITRATE-N	7.17	0.01	0.002	mg/L	1.0	SM4500-NO3 F	a	4/15/16	ANP	NO3NO2_160415	
14265-44-2	ORTHO-PHOSPHATE	0.15	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/15/16	ANP	OPHOS_160415	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/4/16	MJ	AMTE5540_16050	Analyzed by Amtest
7440-70-2	CALCIUM	32.5	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.64	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.013	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.0014	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-39-3	BARIUM	0.050	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-47-3	CHROMIUM	0.0006	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-50-8	COPPER	0.0022	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7439-92-1	LEAD	0.00024 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7782-49-2	SELENIUM	0.0004 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
7440-66-6	ZINC	0.0028	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WW	
	E. Coli	<1 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/16/16	CKK	qt_160415	
	TOTAL COLIFORM	57.1 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	4/16/16	CKK	qt_160415	
7723-14-0	TOTAL PHOSPHORUS	0.113	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/14/16	ANP	TPHOS_160414	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Stiller Pond - GW_147										Sample Date: 4/7/16 8:10 am		
Lab Number: 17652		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	2.59	0.10		NTU	1.0	180.1	a	4/8/16	RHF	TURB_160408	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	4/13/16	MMH	245.1_160413	
16887-00-6	CHLORIDE	24.8	0.1	0.0043	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
16984-48-8	FLUORIDE	0.16	0.1	0.0049	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
14808-79-8	SULFATE	21	0.2	0.0087	mg/L	1.0	300.0	a	4/9/16	MMH	I160408A	
NA	CORROSIVITY	-0.75			SI	1.0	SM203	a	4/22/16	mvp	COR_160422	
E-11712	COLOR	5	5		Color Units	1.0	SM2120 B	a	4/8/16	RHF	COLOR_160408	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	4/8/16	RHF	ODOR_160408	Temperature: 41.6
NA	BICARBONATE	122	1		mg CaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	4/12/16	MVP	alk_160411a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	251	10		mg/L	1.0	SM2540 C	a	4/13/16	MMH	TDS_160413	
E-10139	HYDROGEN ION (pH)	7.37 H5			pH Units	1.0	SM4500-H+ B	a	4/8/16	RHF	pH_160408	
14797-55-8	NITRATE-N	4.52	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	4/8/16	ANP	NO3NO2_160408	
14265-44-2	ORTHO-PHOSPHATE	0.18	0.005	0.002	mg/L	1.0	SM4500-P F	a	4/8/16	ANP	OPHOS_160408	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		4/8/16	MJ	AMTE5540_160408	Analyzed by Amtest
7440-70-2	CALCIUM	35.2	0.5	0.009	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-89-6	IRON	0.39	0.050	0.0012	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7439-96-5	MANGANESE	0.0076	0.001	0.0002	mg/L	1.0	200.7/3010A	a	4/13/16	BJ	200.7_160413B	
7440-38-2	ARSENIC	0.004	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7440-39-3	BARIUM	0.038	0.001	0.00014	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7440-47-3	CHROMIUM	0.0005	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7440-50-8	COPPER	0.001 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7439-92-1	LEAD	0.00012 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7782-49-2	SELENIUM	0.0004 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
7440-66-6	ZINC	0.0015 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	4/13/16	MVP	200.8_160413WWW	
	E. Coli	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colisure	b	4/8/16	clc	qt_160408	
	TOTAL COLIFORM	<1	1		MPN/100mL	1.0	SM9223 B.2.b/Colisure	b	4/8/16	clc	qt_160408	
7723-14-0	TOTAL PHOSPHORUS	0.176	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/14/16	ANP	TPHOS_160414	

Notes:

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



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17652
Field ID: Stiller Pond
Sample Description: GW_147
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 5/5/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	W	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	W	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	W	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	W	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	W	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00	W	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	W	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	W	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	W	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	W	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	W	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00	W	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00	W	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	W	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00	W	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	W	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00	W	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00	W	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00	W	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	W	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	W	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17652
Field ID: Stiller Pond
Sample Description: GW_147
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 5/5/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17652
Field ID: Stiller Pond
Sample Description: GW_147
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 5/5/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17651
Field ID: Stiller Pond
Sample Description: GW_146
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 5/5/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
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309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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DATA REPORT

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810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17651
Field ID: Stiller Pond
Sample Description: GW_146
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 5/5/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17651
Field ID: Stiller Pond
Sample Description: GW_146
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 5/5/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17650
Field ID: Stiller Pond
Sample Description: GW_145
Matrix: Water
Sample Date: 4/14/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 5/5/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1		1.00		

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17650
Field ID: Stiller Pond
Sample Description: GW_145
Matrix: Water
Sample Date: 4/14/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 5/5/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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DATA REPORT

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17650
Field ID: Stiller Pond
Sample Description: GW_145
Matrix: Water
Sample Date: 4/14/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 5/5/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:

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Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17649
Field ID: Stiller Pond
Sample Description: GW_136
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 5/5/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17649
Field ID: Stiller Pond
Sample Description: GW_136
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 5/5/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17649
Field ID: Stiller Pond
Sample Description: GW_136
Matrix: Water
Sample Date: 4/7/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 5/5/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17648
Field ID: Stiller Pond
Sample Description: Mill Creek
Matrix: Surface Water
Sample Date: 4/7/16
Extraction Date: 4/13/16
Extraction Method: 3535

Report Date: 5/5/16
Date Analyzed: 4/19/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160413
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.024	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.024	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.011	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.011	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.011	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.034	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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D.F. - Dilution Factor.

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17648
Field ID: Stiller Pond
Sample Description: Mill Creek
Matrix: Surface Water
Sample Date: 4/7/16
Extraction Date: 4/12/16
Extraction Method: 3510C

Report Date: 5/5/16
Date Analyzed: 4/18/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160412
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-07632**
Project: Walla Walla Basin Aquifer Re

Lab Number: 17648
Field ID: Stiller Pond
Sample Description: Mill Creek
Matrix: Surface Water
Sample Date: 4/7/16
Extraction Date: 4/11/16
Extraction Method: 5030B

Report Date: 5/5/16
Date Analyzed: 4/11/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160411
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.05	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160413B	2 CALCIUM	10.2	11	mg/L	200.7	93	90-110	CAL	
	2 IRON	1.02	1	mg/L	200.7	102	90-110	CAL	
	2 MANGANESE	1.07	1	mg/L	200.7	107	90-110	CAL	
200.8_160413WV	0 ARSENIC	0.00101	0.001	mg/L	200.8	101	80-120	CAL	
	0 BARIUM	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	0 CADMIUM	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 CHROMIUM	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 COPPER	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 LEAD	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 SELENIUM	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 SILVER	0.00101	0.001	mg/L	200.8	101	80-120	CAL	
	0 ZINC	0.00109	0.001	mg/L	200.8	109	80-120	CAL	
245.1_160413	0 MERCURY	0.00197	0.00200	mg/L	245.1	99	95-105	CAL	
	1 MERCURY	0.00019	0.00020	mg/L	245.1	95	95-105	CAL	MRL
1160408A	0 CHLORIDE	1.03	1	mg/L	300.0	103	90-110	CAL	
	0 FLUORIDE	1.06	1	mg/L	300.0	106	90-110	CAL	
	0 SULFATE	2.0	2	mg/L	300.0	100	90-110	CAL	
1160415A	0 CHLORIDE	1.0	1	mg/L	300.0	100	90-110	CAL	
	0 FLUORIDE	1.05	1	mg/L	300.0	105	90-110	CAL	
	0 SULFATE	2	2	mg/L	300.0	100	90-110	CAL	
OPHOS_160408	0 ORTHO-PHOSPHATE	0.98	1.00	mg/L	SM4500-P F	98	85-115	CAL	
OPHOS_160415	0 ORTHO-PHOSPHATE	0.97	1.00	mg/L	SM4500-P F	97	85-115	CAL	
pH_160408	0 HYDROGEN ION (pH)	7.95	8.00	pH Units	SM4500-H+ B	99	80-120	CAL	
	0 HYDROGEN ION (pH)	7.98	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
pH_160415	0 HYDROGEN ION (pH)	7.95	8.00	pH Units	SM4500-H+ B	99	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Calibration Check

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
pH_160415	0 HYDROGEN ION (pH)	8.01	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160412	0 TOTAL PHOSPHORUS	0.099	0.100	mg/L	SM4500-P F	99	85-115	CAL	
TPHOS_160414	0 TOTAL PHOSPHORUS	0.095	0.100	mg/L	SM4500-P F	95	85-115	CAL	
TURB_160408	0 TURBIDITY	9.86	10.0	NTU	180.1	99	80-120	CAL	
TURB_160415	0 TURBIDITY	9.85	10.0	NTU	180.1	99	80-120	CAL	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160413B	0 CALCIUM	12.3	13	mg/L	200.7	95	85-115	LFB	
	0 IRON	0.48	0.5	mg/L	200.7	96	85-115	LFB	
	0 MANGANESE	0.5	0.5	mg/L	200.7	100	85-115	LFB	
200.8_160413WV	0 ARSENIC	0.023	0.025	mg/L	200.8	92	85-115	LFB	
	0 BARIUM	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 CADMIUM	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 CHROMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.031	0.025	mg/L	200.8	124	85-115	LFB	
	0 LEAD	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 SELENIUM	0.0214	0.025	mg/L	200.8	86	85-115	LFB	
	0 SILVER	0.013	0.0125	mg/L	200.8	104	85-115	LFB	
	0 ZINC	0.031	0.025	mg/L	200.8	124	85-115	LFB	
245.1_160413	0 MERCURY	0.00163	0.00167	mg/L	245.1	98	90-110	LFB	
8151W_160412	0 2,4 - D	2.1	2	ug/L	8151A	105	60-120	LFB	
	0 2,4 DB	9.5	8	ug/L	8151A	119	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	0.99	1	ug/L	8151A	99	68-122	LFB	
	0 2,4,5 T	1	1	ug/L	8151A	100	62-128	LFB	
	0 ACIFLUORFEN	1	1	ug/L	8151A	100	65-125	LFB	
	0 BENTAZON	2.2	2	ug/L	8151A	110	67-121	LFB	
	0 DALAPON	13	13	ug/L	8151A	100	53-142	LFB	
	0 DICAMBA	1.1	1	ug/L	8151A	110	66-126	LFB	
	0 DICHLORPROP	3.1	3	ug/L	8151A	103	63-123	LFB	
	0 DINOSEB	2.2	2	ug/L	8151A	110	73-127	LFB	
	0 PENTACHLOROPHENOL	1	1	ug/L	8151A	100	69-123	LFB	
	0 PICLORAM	0.88	1	ug/L	8151A	88	48-114	LFB	
	0 TOTAL DCPA	0.71	1	ug/L	8151A	71	48-168	LFB	
	0 TRICLOPYR	1	1	ug/L	8151A	100	70-130	LFB	
8260W_160411	0 1,1 - DICHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
8260W_160411	0 1,1 - DICHLOROETHYLENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1 - DICHLOROPROPENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1,1 - TRICHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,1,2 - TRICHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,2 - DICHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,2 - DICHLOROPROPANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,2,3 - TRICHLOROBENZENE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,2,3 - TRICHLOROPROPANE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,2,4 - TRICHLOROBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,2,4 - TRIMETHYLBENZENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	4.6	4	ug/L	8260C	115	70-130	LFB	
	0 1,3 - DICHLOROBENZENE (meta)	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,3 - DICHLOROPROPANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 1,3,5 - TRIMETHYLBENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 1,4 - DICHLOROBENZENE (para)	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 2,2 - DICHLOROPROPANE	4.2	4	ug/L	8260C	105	70-130	LFB	
	0 BENZENE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 BROMOBENZENE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 BROMOCHLOROMETHANE	4.0	4	ug/L	8260C	100	70-130	LFB	
	0 BROMODICHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 BROMOFORM	3.8	4	ug/L	8260C	95	70-130	LFB	
	0 BROMOMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 CARBON TETRACHLORIDE	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 CHLOROBENZENE	3.8	4	ug/L	8260C	95	70-130	LFB	
	0 CHLOROETHANE	3.9	4	ug/L	8260C	98	70-130	LE LFB	
	0 CHLOROFORM	4.1	4	ug/L	8260C	103	70-130	LFB	
	0 CHLOROMETHANE	3.8	4	ug/L	8260C	95	70-130	LFB	
	0 CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260C	98	70-130	LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	4.0	4	ug/L	8260C	100	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8260W_160411	0 DIBROMOCHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130		LFB	
	0 DIBROMOMETHANE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 DICHLORODIFLUOROMETHANE	3.4	4	ug/L	8260C	85	70-130	LE	LFB	
	0 ETHYLBENZENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 HEXACHLOROBUTADIENE	4.2	4	ug/L	8260C	105	70-130		LFB	
	0 ISOPROPYLBENZENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 M,P- XYLENE	8.3	8	ug/L	8260C	104	70-130		LFB	
	0 METHYL TERT-BUTYL ETHER	4.4	4	ug/L	8260C	110	70-130		LFB	
	0 METHYLENE CHLORIDE	3.4	4	ug/L	8260C	85	70-130		LFB	
	0 N - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 N - PROPYLBENZENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 NAPHTHALENE	4.0	4	ug/L	8260C	100	70-130		LFB	
	0 O - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 O - XYLENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 P - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 P - ISOPROPYLTOLUENE	3.9	4	ug/L	8260C	98	70-130		LFB	
	0 SEC - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 STYRENE	4.0	4	ug/L	8260C	100	70-130		LFB	
	0 TERT - BUTYLBENZENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 TETRACHLOROETHYLENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 TOLUENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 TRANS - 1,2 - DICHLOROETHENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 TRANS - 1,3 - DICHLOROPROPENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 TRICHLOROETHENE	4.1	4	ug/L	8260C	103	70-130		LFB	
	0 TRICHLOROFLUOROMETHANE	4.7	4	ug/L	8260C	118	70-130		LFB	
	0 VINYL CHLORIDE	3.8	4	ug/L	8260C	95	70-130		LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160413B	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
	0 IRON	ND		mg/L	200.7		0-0	LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_160413WV	0 ARSENIC	ND		mg/L	200.8		0-0	LRB	
	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
I160408A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
I160415A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
OPHOS_160408	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
OPHOS_160415	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160412	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160414	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160413B	0 CALCIUM	ND		mg/L	200.7		0-0	MB	
	0 IRON	ND		mg/L	200.7		0-0	MB	
	0 MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_160413WV	0 ARSENIC	ND		mg/L	200.8		0-0	MB	
	0 BARIUM	ND		mg/L	200.8		0-0	MB	
	0 CADMIUM	ND		mg/L	200.8		0-0	MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	MB	
	0 COPPER	ND		mg/L	200.8		0-0	MB	
	0 LEAD	ND		mg/L	200.8		0-0	MB	
	0 SELENIUM	ND		mg/L	200.8		0-0	MB	
	0 SILVER	ND		mg/L	200.8		0-0	MB	
	0 ZINC	ND		mg/L	200.8		0-0	MB	
245.1_160413	0 MERCURY	ND		mg/L	245.1		0-0	MB	
8151W_160412	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0	MB	
	8260W_160411	0 1,1 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 BENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 BROMOBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 BROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 BROMODICHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 BROMOFORM	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 BROMOMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CARBON TETRACHLORIDE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CHLOROBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CHLOROFORM	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C	0-0		MB	TB 16-07437
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	TB 16-07437

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 DIBROMOMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 ETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 ISOPROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 M,P- XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 METHYLENE CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 N - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 N - PROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 NAPHTHALENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 O - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 O - XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 P - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 SEC - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 STYRENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TERT - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TETRACHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 TRICHLOROFUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	0 VINYL CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-07437
	1 1,1 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1 - DICHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	
	1 1,1 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	
	1 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C		0-0	MB	
	1 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160411	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	
	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260C	0-0		MB	
	1,2 - DICHLOROETHANE	ND		ug/L	8260C	0-0		MB	
	1,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	
	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260C	0-0		MB	
	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	
	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260C	0-0		MB	
	1,3 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	
	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260C	0-0		MB	
	2,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	
	BENZENE	ND		ug/L	8260C	0-0		MB	
	BROMOBENZENE	ND		ug/L	8260C	0-0		MB	
	BROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	BROMODICHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	BROMOFORM	ND		ug/L	8260C	0-0		MB	
	BROMOMETHANE	ND		ug/L	8260C	0-0		MB	
	CARBON TETRACHLORIDE	ND		ug/L	8260C	0-0		MB	
	CHLOROBENZENE	ND		ug/L	8260C	0-0		MB	
	CHLOROETHANE	ND		ug/L	8260C	0-0		MB	
	CHLOROFORM	ND		ug/L	8260C	0-0		MB	
	CHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C	0-0		MB	
	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	
	DIBROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	
	DIBROMOMETHANE	ND		ug/L	8260C	0-0		MB	
	DICHLORODIFLUOROMETHANE	ND		ug/L	8260C	0-0		MB	
	ETHYLBENZENE	ND		ug/L	8260C	0-0		MB	
	HEXACHLOROBUTADIENE	ND		ug/L	8260C	0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
8260W_160411	1 ISOPROPYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 M,P- XYLENE	ND		ug/L	8260C		0-0	MB		
	1 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C		0-0	MB		
	1 METHYLENE CHLORIDE	ND		ug/L	8260C		0-0	MB		
	1 N - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 N - PROPYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 NAPHTHALENE	ND		ug/L	8260C		0-0	MB		
	1 O - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB		
	1 O - XYLENE	ND		ug/L	8260C		0-0	MB		
	1 P - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB		
	1 P - ISOPROPYLTOLUENE	ND		ug/L	8260C		0-0	MB		
	1 SEC - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 STYRENE	ND		ug/L	8260C		0-0	MB		
	1 TERT - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB		
	1 TETRACHLOROETHYLENE	ND		ug/L	8260C		0-0	MB		
	1 TOLUENE	ND		ug/L	8260C		0-0	MB		
	1 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB		
	1 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB		
	1 TRICHLOROETHENE	ND		ug/L	8260C		0-0	MB		
	1 TRICHLOROFLUOROMETHANE	ND		ug/L	8260C		0-0	MB		
	1 VINYL CHLORIDE	ND		ug/L	8260C		0-0	MB		
2	BENZENE	ND		ug/L	8260C		0-0	MB		TB 16-07713
	ETHYLBENZENE	ND		ug/L	8260C		0-0	MB		TB 16-07713
	M,P- XYLENE	ND		ug/L	8260C		0-0	MB		TB 16-07713
	O - XYLENE	ND		ug/L	8260C		0-0	MB		TB 16-07713
	TOLUENE	ND		ug/L	8260C		0-0	MB		TB 16-07713
OPHOS_160408	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	MB		
OPHOS_160415	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	MB		
TDS_160411	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
TDS_160413	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
TPHOS_160412	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0		MB	
TPHOS_160414	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0		MB	
TURB_160408	0 TURBIDITY	ND		NTU	180.1		0-0		MB	
TURB_160415	0 TURBIDITY	ND		NTU	180.1		0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160413B	0 IRON	2.08	2	mg/L	200.7	104	95-105	QCS	
	0 MANGANESE	2.08	2	mg/L	200.7	104	95-105	QCS	
	1 CALCIUM	19.3	20	mg/L	200.7	97	95-105	QCS	
200.8_160413WV	0 ARSENIC	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 BARIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CHROMIUM	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 COPPER	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 LEAD	0.039	0.040	mg/L	200.8	98	90-110	QCS	
	0 SELENIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SILVER	0.021	0.020	mg/L	200.8	105	90-110	QCS	
	0 ZINC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
245.1_160413	0 MERCURY	0.00270	0.00265	mg/L	245.1	102	90-110	QCS	
COLOR_160408	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
COLOR_160415	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
I160408A	0 CHLORIDE	6.1	6	mg/L	300.0	102	90-110	QCS	
	0 FLUORIDE	4.19	4	mg/L	300.0	105	90-110	QCS	
	0 SULFATE	30.5	30	mg/L	300.0	102	90-110	QCS	
I160415A	0 CHLORIDE	5.8	6	mg/L	300.0	97	90-110	QCS	
	0 FLUORIDE	4.06	4	mg/L	300.0	102	90-110	QCS	
	0 SULFATE	30.5	30	mg/L	300.0	102	90-110	QCS	
OPHOS_160408	0 ORTHO-PHOSPHATE	0.47	0.50	mg/L	SM4500-P F	94	90-110	QCS	
OPHOS_160415	0 ORTHO-PHOSPHATE	0.47	0.50	mg/L	SM4500-P F	94	90-110	QCS	
TDS_160411	0 TOTAL DISSOLVED SOLIDS (TDS)	500	500	mg/L	SM2540 C	100	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-07632**

Report Date: 05/05/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TDS_160413	0 TOTAL DISSOLVED SOLIDS (TDS)	502	500	mg/L	SM2540 C	100	80-120	QCS	
TPHOS_160412	0 TOTAL PHOSPHORUS	0.036	0.036	mg/L	SM4500-P F	100	90-110	QCS	
TPHOS_160414	0 TOTAL PHOSPHORUS	0.037	0.036	mg/L	SM4500-P F	103	90-110	QCS	
TURB_160408	0 TURBIDITY	1.01	1.00	NTU	180.1	101	80-120	QCS	
TURB_160415	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC	
			Result	Result				Qualifier	Type
Duplicate									
200.7_160413B									
	17652	IRON	0.39	0.37	mg/L	5.3	0-20		DUP
	17652	MANGANESE	0.0076	0.0076	mg/L	0.0	0-20		DUP
	17652	CALCIUM	35.2	36.3	mg/L	3.1	0-20		DUP
	18031	IRON	0.44	0.41	mg/L	7.1	0-20		DUP
	18031	MANGANESE	0.015	0.014	mg/L	6.9	0-20		DUP
200.8_160413WW									
	17652	ARSENIC	0.004	0.004	mg/L	0.0	0-20		DUP
	17652	BARIUM	0.038	0.039	mg/L	2.6	0-20		DUP
	17652	CADMIUM	ND	ND	mg/L	NA	0-20		DUP
	17652	CHROMIUM	0.0005	0.0005	mg/L	0.0	0-20		DUP
	17652	COPPER	0.001	0.001	mg/L	0.0	0-20		DUP
	17652	LEAD	0.00012	0.00013	mg/L	8.0	0-20		DUP
	17652	SELENIUM	0.0004	0.0004	mg/L	0.0	0-20		DUP
	17652	SILVER	ND	ND	mg/L	NA	0-20		DUP
	17652	ZINC	0.0015	0.002	mg/L	28.6	0-20	IEV	DUP
	18031	ARSENIC	0.006	0.006	mg/L	0.0	0-20		DUP
	18031	BARIUM	0.004	0.004	mg/L	0.0	0-20		DUP
	18031	CADMIUM	0.0005	0.0005	mg/L	0.0	0-20		DUP
	18031	CHROMIUM	0.075	0.073	mg/L	2.7	0-20		DUP
	18031	COPPER	0.017	0.016	mg/L	6.1	0-20		DUP
	18031	SELENIUM	0.0004	0.00047	mg/L	16.1	0-20		DUP
	18031	SILVER	0.0014	0.0014	mg/L	0.0	0-20		DUP
	18031	ZINC	0.044	0.042	mg/L	4.7	0-20		DUP

245.1_160413

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
	17577	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
8151W_160412										
	17650	2,4 - D	ND	ND	ug/L	NA	0-35		DUP	
	17650	2,4 DB	ND	ND	ug/L	NA	0-35		DUP	
	17650	2,4,5 - TP (SILVEX)	ND	ND	ug/L	NA	0-35		DUP	
	17650	2,4,5 T	ND	ND	ug/L	NA	0-35		DUP	
	17650	3,5 - DICHLOROBENZOIC ACID	ND	ND	ug/L	NA	0-35		DUP	
	17650	ACIFLUORFEN	ND	ND	ug/L	NA	0-35		DUP	
	17650	BENTAZON	ND	ND	ug/L	NA	0-35		DUP	
	17650	CHLORAMBEN	ND		ug/L		0-35		DUP	
	17650	DALAPON	ND	ND	ug/L	NA	0-35		DUP	
	17650	DICAMBA	ND	ND	ug/L	NA	0-35		DUP	
	17650	DICHLORPROP	ND	ND	ug/L	NA	0-35		DUP	
	17650	DINOSEB	ND	ND	ug/L	NA	0-35		DUP	
	17650	PENTACHLOROPHENOL	ND	ND	ug/L	NA	0-35		DUP	
	17650	PICLORAM	ND	ND	ug/L	NA	0-35		DUP	
	17650	TOTAL DCPA	ND	ND	ug/L	NA	0-35		DUP	
	17650	TRICLOPYR	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160408										
	17649	COLOR	8	8	Color Units	0.0	0-20		DUP	
COLOR_160415										
	17648	COLOR	ND	ND	Color Units	NA	0-20		DUP	
I160408A										
	17726	CHLORIDE	2.8	2.9	mg/L	3.5	0-20		DUP	
	17726	SULFATE	10.6	10.6	mg/L	0.0	0-20		DUP	
	17731	FLUORIDE	ND	ND	mg/L	NA	0-20		DUP	
I160415A										
	19185	CHLORIDE	5.3	5.3	mg/L	0.0	0-20		DUP	
	19185	SULFATE	10.1	10.1	mg/L	0.0	0-20		DUP	
	19186	CHLORIDE	8.2	8.2	mg/L	0.0	0-20		DUP	
	19186	SULFATE	9	9	mg/L	0.0	0-20		DUP	
NO3NO2_160408										
	17652	NITRATE-N	4.52	4.53	mg/L	0.2	0-20		DUP	
NO3NO2_160415										

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	
	17651	NITRATE-N	7.17	7.33		mg/L	2.2	0-20		DUP	
OPHOS_160408											
	17649	ORTHO-PHOSPHATE	0.27	0.28		mg/L	3.6	0-20		DUP	
OPHOS_160415											
	17648	ORTHO-PHOSPHATE	0.17	0.18		mg/L	5.7	0-20		DUP	
pH_160408											
	17649	HYDROGEN ION (pH)	7.78	7.82		pH Units	0.5	0-45		DUP	
PH_160415											
	17648	HYDROGEN ION (pH)	7.44	7.45		pH Units	0.1	0-45		DUP	
TDS_160411											
	17726	TOTAL DISSOLVED SOLIDS (TDS)	151	151		mg/L	0.0	0-10		DUP	
TDS_160413											
	17215	TOTAL DISSOLVED SOLIDS (TDS)	248	242		mg/L	2.4	0-10		DUP	
TPHOS_160412											
	17550	TOTAL PHOSPHORUS	0.286	0.298		mg/L	4.1	0-20		DUP	
	17560	TOTAL PHOSPHORUS	0.258	0.231		mg/L	11.0	0-20		DUP	
	17649	TOTAL PHOSPHORUS	0.705	0.700		mg/L	0.7	0-20		DUP	
TPHOS_160414											
	18331	TOTAL PHOSPHORUS	8.19	7.86		mg/L	4.1	0-20		DUP	
	18790	TOTAL PHOSPHORUS	ND	ND		mg/L	NA	0-20		DUP	
TURB_160408											
	17649	TURBIDITY	387	402		NTU	3.8	0-20		DUP	
TURB_160415											
	17648	TURBIDITY	5.43	5.38		NTU	0.9	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of 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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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7_160413B															
	17652	IRON	0.39	0.38		0.025	mg/L	-40		70-130	NA	0-20	IS		LFM
	17652	MANGANESE	0.0076	0.033		0.025	mg/L	102		70-130	NA	0-20			LFM
	18031	IRON	0.44	0.45		0.025	mg/L	40		70-130	NA	0-20	IS		LFM
	18031	MANGANESE	0.015	0.040		0.025	mg/L	100		70-130	NA	0-20			LFM
200.8_160413WW															
	17652	ARSENIC	0.004	0.028		0.025	mg/L	96		70-130	NA	0-20			LFM
	17652	BARIUM	0.038	0.063		0.025	mg/L	100		70-130	NA	0-20			LFM
	17652	CADMIUM	ND	0.0241		0.025	mg/L	96		70-130	NA	0-20			LFM
	17652	CHROMIUM	0.0005	0.0254		0.025	mg/L	100		70-130	NA	0-20			LFM
	17652	COPPER	0.001	0.0274		0.025	mg/L	106		70-130	NA	0-20			LFM
	17652	LEAD	0.00012	0.0257		0.025	mg/L	102		70-130	NA	0-20			LFM
	17652	SELENIUM	0.0004	0.023		0.025	mg/L	90		70-130	NA	0-20			LFM
	17652	SILVER	ND	0.0128		0.0125	mg/L	102		70-130	NA	0-20			LFM
	17652	ZINC	0.0015	0.024		0.025	mg/L	90		70-130	NA	0-20			LFM
	18031	ARSENIC	0.006	0.0315		0.025	mg/L	102		70-130	NA	0-20			LFM
	18031	BARIUM	0.004	0.032		0.025	mg/L	112		70-130	NA	0-20			LFM
	18031	CADMIUM	0.0005	0.024		0.025	mg/L	94		70-130	NA	0-20			LFM
	18031	CHROMIUM	0.075	0.103		0.025	mg/L	112		70-130	NA	0-20			LFM
	18031	COPPER	0.017	0.042		0.025	mg/L	100		70-130	NA	0-20			LFM
	18031	SELENIUM	0.0004	0.026		0.025	mg/L	102		70-130	NA	0-20			LFM
	18031	SILVER	0.0014	0.014		0.0125	mg/L	101		70-130	NA	0-20			LFM
	18031	ZINC	0.044	0.066		0.025	mg/L	88		70-130	NA	0-20			LFM
245.1_160413															
	17577	MERCURY	ND	0.00170	0.00170	0.00167	mg/L	102	102	70-130	0.0	0-20			LFM
8151W_160412															
	17242	2,4 - D	ND	2.1		2	ug/L	105	NA	60-120	NA	0-20			LFM
	17242	2,4 DB	ND	9.7		8	ug/L	121	NA	49-134	NA	0-20			LFM
	17242	2,4,5 - TP (SILVEX)	ND	1.1		1	ug/L	110	NA	68-122	NA	0-20			LFM
	17242	2,4,5 T	ND	0.98		1	ug/L	98	NA	62-128	NA	0-20			LFM
	17242	ACIFLUORFEN	ND	1.1		1	ug/L	110	NA	65-125	NA	0-20			LFM
	17242	BENTAZON	ND	1.9		2	ug/L	95	NA	67-121	NA	0-20			LFM
	17242	DALAPON	ND	14.8		13	ug/L	114	NA	53-421	NA	0-20			LFM

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments	
				Spike Result	Spike Result			MS	MSD				Qualifier	Type		
	17242	DICAMBA	ND	1.1		1	ug/L	110	NA	66-126	NA	0-20			LFM	
	17242	DICHLORPROP	ND	3.3		3	ug/L	110	NA	63-123	NA	0-20			LFM	
	17242	DINOSEB	ND	2.2		2	ug/L	110	NA	73-127	NA	0-20			LFM	
	17242	PENTACHLOROPHENOL	ND	1		1	ug/L	100	NA	69-123	NA	0-20			LFM	
	17242	PICLORAM	ND	0.86		1	ug/L	86	NA	48-114	NA	0-20			LFM	
	17242	TOTAL DCPA	ND	0.81		1	ug/L	81	NA	48-168	NA	0-20			LFM	
	17242	TRICLOPYR	ND	1		1	ug/L	100	NA	70-130	NA	0-20			LFM	
I160408A																
	17726	CHLORIDE	2.8	3.8		1	mg/L	100	NA	90-110	NA	0-20			LFM	
	17726	SULFATE	10.6	12.6		2	mg/L	100	NA	90-110	NA	0-20			LFM	
	17731	FLUORIDE	ND	1.08		1	mg/L	108	NA	90-110	NA	0-20			LFM	
I160415A																
	19185	CHLORIDE	5.3	6.2		1	mg/L	90	NA	90-110	NA	0-20			LFM	
	19185	SULFATE	10.1	11.9		2	mg/L	90	NA	90-110	NA	0-20			LFM	
	19186	CHLORIDE	8.2	8.9		1	mg/L	70	NA	90-110	NA	0-20	IS		LFM	
	19186	SULFATE	9	10.7		2	mg/L	85	NA	90-110	NA	0-20	IS		LFM	
NO3NO2_160408																
	17652	NITRATE-N	4.52	4.91	4.99	0.5	mg/L	78	94	80-120	18.6	0-20			LFM	
NO3NO2_160415																
	17651	NITRATE-N	7.17	7.75	7.74	0.5	mg/L	116	114	80-120	1.7	0-20			LFM	
OPHOS_160408																
	17649	ORTHO-PHOSPHATE	0.27	1.22	1.23	1.00	mg/L	95	96	70-130	1.0	0-20			LFM	
OPHOS_160415																
	17648	ORTHO-PHOSPHATE	0.17	1.12	1.11	1.00	mg/L	95	94	70-130	1.1	0-20			LFM	
TPHOS_160412																
	17550	TOTAL PHOSPHORUS	0.286	0.340	0.332	0.050	mg/L	108	92	70-130	16.0	0-20			LFM	
	17560	TOTAL PHOSPHORUS	0.258	0.326	0.339	0.050	mg/L	136	162	70-130	17.4	0-20	INH		LFM	
	17649	TOTAL PHOSPHORUS	0.705	0.812	0.808	0.100	mg/L	107	103	70-130	3.8	0-20			LFM	
TPHOS_160414																
	17652	TOTAL PHOSPHORUS	0.176	0.240	0.220	0.050	mg/L	128	88	70-130	37.0	0-20	INH		LFM	
	18331	TOTAL PHOSPHORUS	8.19	11.5	11.9	0.050	mg/L	6,620	7,420	70-130	11.4	0-20	IS		LFM	
	18790	TOTAL PHOSPHORUS	ND	0.054	0.055	0.050	mg/L	108	110	70-130	1.8	0-20			LFM	

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 16-07632
Report Date: 05/05/16

Qualifier	Definition
H3	Sample was received and analyzed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.
N1	See case narrative.

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

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)



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

16-07632
17648 - 17652

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Ref #
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Check Regulatory Program
Attn: Steven Patten	Phone: Steven Patten FAX:	<input type="checkbox"/> Safe Drinking Water Act
Phone: 541.938-2170 FAX:	P.O.#:	<input type="checkbox"/> Clean Water Act
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/> Expire	<input type="checkbox"/> RCRA / CERCLA
Project: Aquifer Recharge Water and Soil 2016	Card#:	<input type="checkbox"/> Other

Analyses Requested

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

Turn Around Time Required

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

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	8081A - Water	8151	8260	Foaming Agents	Inorganics	Metals	Odor	SM9223B.2b (DW) Quany- Tray (MPN)	Number of Containers	Special Instructions Conditions on Receipt
1	STEVEN POND	6	SLD	4/3/16	9:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	STEVEN POND	6	GW	4/3/16	8:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3	STEVEN POND	6	GW	4/3/16	9:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	STEVEN POND	6	GW	4/3/16	9:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5	STEVEN POND	6	GW	4/3/16	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampled by: STEVEN PATTEN Phone: 541-938-2170 FAX: * W - water DW - drinking water SW - surface water WW - waste water OL - oil														Total Containers	

Sample Receipt Request (Must include FAX or Email)

Relinquished by: [Signature] Date: 4/3/16 Time: 11:30 Received by: WPS Date: 4-5-16 Time: 0930

Custody seals intact: WPS Yes No N/A

Sample temp 20.6 satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

28689



ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98238
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Walla Walla Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Walla Walla, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	<input type="checkbox"/> Clean Water Act	<input type="checkbox"/> RCRA / CERCLA
Attn: Steven Patten	Phone: Steven Patten	FAX: Steven Patten	<input type="checkbox"/> Other
Phone: 541.938-2170 FAX: Steven Patten	P.O.#:	Attn: Steven Patten	
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E	Expires: /	
Project: Aquifer Recharge Water and Soil 2016	Card#:		

Instructions

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

Turn Around Time Required

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

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix *	Date	Time	T. Phos (Particulate)	TRIP BLANK (8260)	Number of Containers						Special Instructions Conditions on Receipt			
1	STUWER Pond			4/3/16	9:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
2	STUWER Pond			4/3/16	8:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
3	STUWER Pond			4/3/16	9:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
4	STUWER Pond			4/3/16	9:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
5	STUWER Pond			4/3/16	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
6						<input type="checkbox"/>	<input type="checkbox"/>										
7						<input type="checkbox"/>	<input type="checkbox"/>										
8						<input type="checkbox"/>	<input type="checkbox"/>										
9						<input type="checkbox"/>	<input type="checkbox"/>										
10						<input type="checkbox"/>	<input type="checkbox"/>										
Total Containers																	

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

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

Relinquished by: Steve Patten Date: 4/3/16 Time: 11:30 Received by: URS Date: 4-8-16 Time:

Custody seals intact Yes No N/A

Sample temp C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A



April 28, 2016

Vista Work Order No. 1600387

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

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on April 08, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1600387

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1668C

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

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected at 6.15 pg/L in the Method Blank. No other analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1600387-01	Mill Creek	07-Apr-16 09:25	08-Apr-16 09:26	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600387-02	GW_136	07-Apr-16 08:35	08-Apr-16 09:26	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600387-03	GW_145	07-Apr-16 09:00	08-Apr-16 09:26	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600387-04	GW_146	07-Apr-16 09:20	08-Apr-16 09:26	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600387-05	GW_147	07-Apr-16 08:10	08-Apr-16 09:26	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6D0088	Lab Sample: B6D0088-BLK1
Sample Size: 1.00 L	Date Extracted: 20-Apr-2016 8:30	Date Analyzed: 20-Apr-16 20:10 Column: ZB-1 Analyst: MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.08			PCB-44	ND	1.16		
PCB-2	ND	1.16			PCB-45	ND	1.02		
PCB-3	ND	1.16			PCB-46	ND	1.12		
PCB-4/10	ND	2.08			PCB-47	ND		1.81	
PCB-5/8	ND	1.67			PCB-48/75	ND	0.762		
PCB-6	ND	1.71			PCB-50	ND	1.10		
PCB-7/9	ND	1.31			PCB-51	ND	0.918		
PCB-11	6.15				PCB-52/69	ND		0.714	
PCB-12/13	ND	1.66			PCB-53	ND	0.938		
PCB-14	ND	1.43			PCB-54	ND	0.839		
PCB-15	ND	1.46			PCB-55	ND	0.553		
PCB-16/32	ND		1.06		PCB-56/60	ND	0.615		
PCB-17	ND	0.589			PCB-57	ND	0.634		
PCB-18	ND	0.816			PCB-58	ND	0.625		
PCB-19	ND	0.697			PCB-61/70	ND		0.543	
PCB-20/21/33	ND	0.379			PCB-62	ND	0.744		
PCB-22	ND	0.535			PCB-63	ND	0.610		
PCB-23	ND	0.515			PCB-65	ND	0.768		
PCB-24/27	ND	0.434			PCB-66/76	ND	0.602		
PCB-25	ND	0.568			PCB-67	ND	0.651		
PCB-26	ND	0.503			PCB-68	ND	0.628		
PCB-28	0.854			J	PCB-73	ND	0.755		
PCB-29	ND	0.515			PCB-74	ND	0.585		
PCB-30	ND	0.441			PCB-77	ND	0.615		
PCB-31	ND		0.510		PCB-78	ND	0.660		
PCB-34	ND	0.479			PCB-79	ND	0.587		
PCB-35	ND	0.524			PCB-80	ND	0.514		
PCB-36	ND	0.507			PCB-81	ND	0.603		
PCB-37	ND	0.488			PCB-82	ND	1.90		
PCB-38	ND	0.530			PCB-83	ND	1.18		
PCB-39	ND	0.522			PCB-84/92	ND	1.68		
PCB-40	ND	1.18			PCB-85/116	ND	1.40		
PCB-41/64/71/72	ND	0.755			PCB-86	ND	1.89		
PCB-42/59	ND	0.818			PCB-87/117/125	ND	1.23		
PCB-43/49	ND	0.936			PCB-88/91	ND	1.73		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6D0088	Lab Sample: B6D0088-BLK1
Sample Size: 1.00 L	Date Extracted: 20-Apr-2016 8:30	Date Analyzed: 20-Apr-16 20:10 Column: ZB-1 Analyst: MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.81			PCB-136	ND	0.902		
PCB-90/101	ND		0.753		PCB-137	ND	0.834		
PCB-93	ND	1.83			PCB-138/163/164	0.833			J
PCB-94	ND	1.72			PCB-139/149	ND	1.18		
PCB-95/98/102	ND	1.51			PCB-140	ND	1.32		
PCB-96	ND	1.48			PCB-141	ND	0.849		
PCB-97	ND	1.50			PCB-144	ND	1.20		
PCB-99	ND	1.44			PCB-145	ND	0.942		
PCB-100	ND	1.67			PCB-146/165	ND	0.841		
PCB-103	ND	1.67			PCB-147	ND	1.32		
PCB-104	ND	1.28			PCB-148	ND	1.26		
PCB-105	ND	0.774			PCB-150	ND	0.913		
PCB-106/118	ND	1.16			PCB-151	ND	1.26		
PCB-107/109	ND	1.05			PCB-152	ND	0.881		
PCB-108/112	ND	1.39			PCB-153	ND	0.771		
PCB-110	ND	1.15			PCB-154	ND	1.16		
PCB-111/115	ND	1.05			PCB-155	ND	0.860		
PCB-113	ND	1.34			PCB-156	ND	0.723		
PCB-114	ND	0.766			PCB-157	ND	0.731		
PCB-119	ND	1.04			PCB-158/160	ND	0.654		
PCB-120	ND	0.984			PCB-159	ND	0.670		
PCB-121	ND	1.10			PCB-166	ND	0.717		
PCB-122	ND	0.911			PCB-167	ND	0.705		
PCB-123	ND	1.12			PCB-168	ND	0.671		
PCB-124	ND	1.08			PCB-169	ND	0.902		
PCB-126	ND	0.953			PCB-170	ND	0.748		
PCB-127	ND	0.852			PCB-171	ND	0.653		
PCB-128/162	ND	0.792			PCB-172	ND	0.808		
PCB-129	ND	0.976			PCB-173	ND	0.990		
PCB-130	ND	1.07			PCB-174	ND	0.848		
PCB-131	ND	1.08			PCB-175	ND	0.804		
PCB-132/161	ND	0.813			PCB-176	ND	0.578		
PCB-133/142	ND	1.00			PCB-177	ND	0.863		
PCB-134/143	ND	0.977			PCB-178	ND	0.783		
PCB-135	ND	1.29			PCB-179	ND	0.605		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6D0088	Lab Sample: B6D0088-BLK1
Sample Size: 1.00 L	Date Extracted: 20-Apr-2016 8:30	Date Analyzed: 20-Apr-16 20:10 Column: ZB-1 Analyst: MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.754			Total octaCB	ND		0.470	
PCB-181	ND	0.810			Total nonaCB	ND		0.583	
PCB-182/187	ND	0.644			DecaCB	ND		0.320	
PCB-183	ND	0.688			Total PCB	7.84			
PCB-184	ND	0.629							
PCB-185	ND	0.778							
PCB-186	ND	0.578							
PCB-188	ND	0.553							
PCB-189	ND	0.525							
PCB-190	ND	0.556							
PCB-191	ND	0.587							
PCB-192	ND	0.629							
PCB-193	ND	0.590							
PCB-194	ND		0.470						
PCB-195	ND	0.501							
PCB-196/203	ND	1.27							
PCB-197	ND	0.902							
PCB-198	ND	1.40							
PCB-199	ND	1.42							
PCB-200	ND	1.02							
PCB-201	ND	0.960							
PCB-202	ND	1.03							
PCB-204	ND	0.980							
PCB-205	ND	0.354							
PCB-206	ND	0.583							
PCB-207	ND	0.391							
PCB-208	ND	0.397							
PCB-209	ND	0.320							
Total monoCB	ND	1.16							
Total diCB	6.15								
Total triCB	0.854		2.43						
Total tetraCB	ND		3.06						
Total pentaCB	ND		0.753						
Total hexaCB	0.833								
Total heptaCB	ND	0.990							

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See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6D0088	Lab Sample: B6D0088-BLK1
Sample Size: 1.00 L	Date Extracted: 20-Apr-2016 8:30	Date Analyzed: 20-Apr-16 20:10 Column: ZB-1 Analyst: MS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	67.5	5 - 145		13C-PCB-157	89.2	10 - 145	
13C-PCB-3	67.2	5 - 145		13C-PCB-159	94.2	10 - 145	
13C-PCB-4	72.1	5 - 145		13C-PCB-167	93.9	10 - 145	
13C-PCB-11	84.1	5 - 145		13C-PCB-169	87.5	10 - 145	
13C-PCB-9	77.7	5 - 145		13C-PCB-170	80.0	10 - 145	
13C-PCB-19	80.0	5 - 145		13C-PCB-180	77.3	10 - 145	
13C-PCB-28	79.9	5 - 145		13C-PCB-188	74.1	10 - 145	
13C-PCB-32	82.4	5 - 145		13C-PCB-189	80.5	10 - 145	
13C-PCB-37	98.5	5 - 145		13C-PCB-194	92.5	10 - 145	
13C-PCB-47	79.6	5 - 145		13C-PCB-202	71.8	10 - 145	
13C-PCB-52	79.3	5 - 145		13C-PCB-206	89.3	10 - 145	
13C-PCB-54	67.8	5 - 145		13C-PCB-208	75.0	10 - 145	
13C-PCB-70	92.8	5 - 145		13C-PCB-209	86.8	10 - 145	
13C-PCB-77	96.0	10 - 145		CRS 13C-PCB-79	97.5	10 - 145	
13C-PCB-80	93.2	10 - 145		13C-PCB-178	91.7	10 - 145	
13C-PCB-81	92.6	10 - 145					
13C-PCB-95	89.4	10 - 145					
13C-PCB-97	99.1	10 - 145					
13C-PCB-101	93.0	10 - 145					
13C-PCB-104	76.0	10 - 145					
13C-PCB-105	106	10 - 145					
13C-PCB-114	103	10 - 145					
13C-PCB-118	97.1	10 - 145					
13C-PCB-123	101	10 - 145					
13C-PCB-126	110	10 - 145					
13C-PCB-127	110	10 - 145					
13C-PCB-138	96.2	10 - 145					
13C-PCB-141	97.6	10 - 145					
13C-PCB-153	91.9	10 - 145					
13C-PCB-155	85.6	10 - 145					
13C-PCB-156	88.2	10 - 145					

DL - Sample specific estimated detection limit

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EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: OPR**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B6D0088
Date Extracted: 20-Apr-2016 8:30Lab Sample: B6D0088-BS1
Date Analyzed: 20-Apr-16 18:00 Column: ZB-1 Analyst: MS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	747	1000	74.7	60 - 135	IS 13C-PCB-1	17.1	15 - 145
PCB-3	757	1000	75.7	60 - 135	IS 13C-PCB-3	27.4	15 - 145
PCB-4/10	1620	2000	81.0	60 - 135	IS 13C-PCB-4	31.7	15 - 145
PCB-15	870	1000	87.0	60 - 135	IS 13C-PCB-11	58.7	15 - 145
PCB-19	955	1000	95.5	60 - 135	IS 13C-PCB-9	39.5	15 - 145
PCB-37	948	1000	94.8	60 - 135	IS 13C-PCB-19	50.3	15 - 145
PCB-54	954	1000	95.4	60 - 135	IS 13C-PCB-28	63.3	15 - 145
PCB-77	877	1000	87.7	60 - 135	IS 13C-PCB-32	65.4	15 - 145
PCB-81	878	1000	87.8	60 - 135	IS 13C-PCB-37	86.8	15 - 145
PCB-104	922	1000	92.2	60 - 135	IS 13C-PCB-47	66.2	15 - 145
PCB-105	789	1000	78.9	60 - 135	IS 13C-PCB-52	66.8	15 - 145
PCB-106/118	1870	2000	93.4	60 - 135	IS 13C-PCB-54	50.7	15 - 145
PCB-114	762	1000	76.2	60 - 135	IS 13C-PCB-70	80.2	15 - 145
PCB-123	941	1000	94.1	60 - 135	IS 13C-PCB-77	95.5	40 - 145
PCB-126	809	1000	80.9	60 - 135	IS 13C-PCB-80	84.4	40 - 145
PCB-155	899	1000	89.9	60 - 135	IS 13C-PCB-81	91.0	40 - 145
PCB-156	897	1000	89.7	60 - 135	IS 13C-PCB-95	81.0	40 - 145
PCB-157	921	1000	92.1	60 - 135	IS 13C-PCB-97	95.2	40 - 145
PCB-167	917	1000	91.7	60 - 135	IS 13C-PCB-101	89.3	40 - 145
PCB-169	924	1000	92.4	60 - 135	IS 13C-PCB-104	62.1	40 - 145
PCB-188	938	1000	93.8	60 - 135	IS 13C-PCB-105	115	40 - 145
PCB-189	951	1000	95.1	60 - 135	IS 13C-PCB-114	107	40 - 145
PCB-202	939	1000	93.9	60 - 135	IS 13C-PCB-118	95.4	40 - 145
PCB-205	876	1000	87.6	60 - 135	IS 13C-PCB-123	99.2	40 - 145
PCB-206	995	1000	99.5	60 - 135	IS 13C-PCB-126	113	40 - 145
PCB-208	1020	1000	102	60 - 135	IS 13C-PCB-127	116	40 - 145
PCB-209	913	1000	91.3	60 - 135	IS 13C-PCB-128	102	40 - 145
					IS 13C-PCB-141	98.5	40 - 145
					IS 13C-PCB-153	98.9	40 - 145
					IS 13C-PCB-155	78.3	40 - 145
					IS 13C-PCB-156	91.8	40 - 145
					IS 13C-PCB-157	90.9	40 - 145
					IS 13C-PCB-159	96.4	40 - 145
					IS 13C-PCB-167	95.1	40 - 145
					IS 13C-PCB-169	100	40 - 145
					IS 13C-PCB-170	83.9	40 - 145
					IS 13C-PCB-180	81.4	40 - 145
					IS 13C-PCB-188	84.9	40 - 145
					IS 13C-PCB-189	74.9	40 - 145
					IS 13C-PCB-194	98.8	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6D0088
Date Extracted: 20-Apr-2016 8:30

Lab Sample: B6D0088-BS1
Date Analyzed: 20-Apr-16 18:00 Column: ZB-1 Analyst: MS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	75.6	40 - 145
					IS 13C-PCB-206	98.4	40 - 145
					IS 13C-PCB-208	81.3	40 - 145
					IS 13C-PCB-209	92.5	40 - 145
					CRS 13C-PCB-79	96.4	40 - 145
					CRS 13C-PCB-178	91.0	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-01
Project:	Stiller Pond	Sample Size:	0.958 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:25			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 21:16
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	0.790			PCB-44	3.04			J
PCB-2	ND	0.866			PCB-45	0.651			J
PCB-3	ND	0.864			PCB-46	ND	1.09		
PCB-4/10	ND	2.33			PCB-47	ND		3.37	
PCB-5/8	ND	3.99			PCB-48/75	ND	0.751		
PCB-6	ND	0.523			PCB-50	ND	0.994		
PCB-7/9	ND	2.20			PCB-51	0.792			J
PCB-11	9.94			B	PCB-52/69	3.29			J
PCB-12/13	ND	0.522			PCB-53	ND	0.907		
PCB-14	ND	0.450			PCB-54	ND	0.755		
PCB-15	ND	2.08			PCB-55	ND	0.595		
PCB-16/32	3.16			J	PCB-56/60	ND		1.51	
PCB-17	1.61			J	PCB-57	ND	0.645		
PCB-18	4.70			J	PCB-58	ND	0.635		
PCB-19	0.524			J	PCB-61/70	2.90			J
PCB-20/21/33	2.48			J	PCB-62	ND	0.734		
PCB-22	1.75			J	PCB-63	ND	0.621		
PCB-23	ND	0.548			PCB-65	ND	0.757		
PCB-24/27	ND	0.441			PCB-66/76	2.24			J
PCB-25	ND		0.340		PCB-67	ND	0.662		
PCB-26	0.775			J	PCB-68	ND	0.619		
PCB-28	3.43			J, B	PCB-73	ND	0.731		
PCB-29	ND	0.548			PCB-74	1.03			J
PCB-30	ND	0.446			PCB-77	ND		0.301	
PCB-31	3.38			J	PCB-78	ND	0.629		
PCB-34	ND	0.509			PCB-79	ND	0.631		
PCB-35	ND	0.512			PCB-80	ND	0.553		
PCB-36	ND	0.553			PCB-81	ND	0.574		
PCB-37	1.04			J	PCB-82	ND	2.31		
PCB-38	ND	0.579			PCB-83	ND	1.39		
PCB-39	ND	0.570			PCB-84/92	1.41			J
PCB-40	ND	1.16			PCB-85/116	ND	1.66		
PCB-41/64/71/72	2.10			J	PCB-86	ND	2.24		
PCB-42/59	ND		0.673		PCB-87/117/125	ND		1.14	
PCB-43/49	1.71			J	PCB-88/91	ND	2.20		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-01
Project:	Stiller Pond	Sample Size:	0.958 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:25			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 21:16
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	2.09			PCB-136	ND	0.987		
PCB-90/101	3.09			J	PCB-137	ND	0.736		
PCB-93	ND	2.33			PCB-138/163/164	3.59			J, B
PCB-94	ND	2.19			PCB-139/149	2.40			J
PCB-95/98/102	3.09			J	PCB-140	ND	1.45		
PCB-96	ND	1.76			PCB-141	0.785			J
PCB-97	ND	1.78			PCB-144	ND	1.32		
PCB-99	1.30			J	PCB-145	ND	1.03		
PCB-100	ND	2.00			PCB-146/165	ND		0.695	
PCB-103	ND	1.99			PCB-147	ND	1.45		
PCB-104	ND	1.52			PCB-148	ND	1.38		
PCB-105	0.743			J	PCB-150	ND	0.999		
PCB-106/118	1.97			J	PCB-151	ND	1.38		
PCB-107/109	ND	1.29			PCB-152	ND	0.964		
PCB-108/112	ND	1.65			PCB-153	2.57			J
PCB-110	2.94			J	PCB-154	ND	1.27		
PCB-111/115	ND	1.25			PCB-155	ND	0.941		
PCB-113	ND	1.55			PCB-156	ND	0.609		
PCB-114	ND	0.493			PCB-157	ND	0.631		
PCB-119	ND	1.23			PCB-158/160	ND	0.581		
PCB-120	ND	1.17			PCB-159	ND	0.582		
PCB-121	ND	1.40			PCB-166	ND	0.623		
PCB-122	ND	0.852			PCB-167	ND	0.629		
PCB-123	ND	1.37			PCB-168	ND	0.557		
PCB-124	ND	1.32			PCB-169	ND	0.513		
PCB-126	ND	0.808			PCB-170	ND		1.54	
PCB-127	ND	0.767			PCB-171	ND	0.643		
PCB-128/162	ND	0.688			PCB-172	ND	0.692		
PCB-129	ND	0.867			PCB-173	ND	0.848		
PCB-130	ND	0.942			PCB-174	ND	0.727		
PCB-131	ND	0.893			PCB-175	ND	0.675		
PCB-132/161	ND		1.00		PCB-176	ND	0.485		
PCB-133/142	ND	0.831			PCB-177	ND	0.740		
PCB-134/143	ND	0.811			PCB-178	ND	0.657		
PCB-135	ND	1.41			PCB-179	ND	0.508		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-01
Project:	Stiller Pond	Sample Size:	0.958 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:25			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 21:16
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	2.13			J	Total octaCB	0.957		2.42	
PCB-181	ND	0.694			Total nonaCB	ND		1.09	
PCB-182/187	ND		1.31		DecaCB	1.06			
PCB-183	ND	0.577			Total PCB	78.6			
PCB-184	ND	0.528							
PCB-185	ND	0.667							
PCB-186	ND	0.485							
PCB-188	ND	0.464							
PCB-189	ND	0.478							
PCB-190	ND	0.480							
PCB-191	ND	0.503							
PCB-192	ND	0.539							
PCB-193	ND	0.506							
PCB-194	ND		1.09						
PCB-195	ND	0.503							
PCB-196/203	0.957			J					
PCB-197	ND	0.988							
PCB-198	ND	1.53							
PCB-199	ND	1.55							
PCB-200	ND	1.11							
PCB-201	ND	1.05							
PCB-202	ND	1.13							
PCB-204	ND	1.07							
PCB-205	ND		0.372						
PCB-206	ND		0.662						
PCB-207	ND	0.365							
PCB-208	ND		0.433						
PCB-209	1.06			J					
Total monoCB	ND	0.866							
Total diCB	9.94								
Total triCB	22.8		23.2						
Total tetraCB	17.8		23.6						
Total pentaCB	14.5		15.7						
Total hexaCB	9.35		11.0						
Total heptaCB	2.13		4.98						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-01
Project:	Stiller Pond	Sample Size:	0.958 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:25			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 21:16
				Column:	ZB-1
				Analyst:	MS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	66.6	5 -145		13C-PCB-170	70.4	10 -145	
13C-PCB-3	66.9	5 -145		13C-PCB-180	69.6	10 -145	
13C-PCB-4	70.5	5 -145		13C-PCB-188	67.3	10 -145	
13C-PCB-11	76.7	5 -145		13C-PCB-189	69.8	10 -145	
13C-PCB-9	73.7	5 -145		13C-PCB-194	81.1	10 -145	
13C-PCB-19	74.1	5 -145		13C-PCB-202	62.7	10 -145	
13C-PCB-28	78.7	5 -145		13C-PCB-206	77.4	10 -145	
13C-PCB-32	75.0	5 -145		13C-PCB-208	68.1	10 -145	
13C-PCB-37	85.8	5 -145		13C-PCB-209	78.0	10 -145	
13C-PCB-47	71.6	5 -145		CRS 13C-PCB-79	85.9	10 -145	
13C-PCB-52	74.7	5 -145		13C-PCB-178	76.5	10 -145	
13C-PCB-54	64.5	5 -145					
13C-PCB-70	77.6	5 -145					
13C-PCB-77	82.1	10 -145					
13C-PCB-80	77.7	10 -145					
13C-PCB-81	83.4	10 -145					
13C-PCB-95	78.1	10 -145					
13C-PCB-97	86.7	10 -145					
13C-PCB-101	83.7	10 -145					
13C-PCB-104	69.3	10 -145					
13C-PCB-105	95.6	10 -145					
13C-PCB-114	89.6	10 -145					
13C-PCB-118	86.5	10 -145					
13C-PCB-123	88.9	10 -145					
13C-PCB-126	97.9	10 -145					
13C-PCB-127	97.2	10 -145					
13C-PCB-138	84.1	10 -145					
13C-PCB-141	84.1	10 -145					
13C-PCB-153	81.0	10 -145					
13C-PCB-155	75.5	10 -145					
13C-PCB-156	77.9	10 -145					
13C-PCB-157	78.1	10 -145					
13C-PCB-159	81.7	10 -145					
13C-PCB-167	81.0	10 -145					
13C-PCB-169	78.2	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-02
Project:	Stiller Pond	Sample Size:	0.987 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 8:35			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 22:21
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	14.9				PCB-44	4.79			J
PCB-2	ND	2.60			PCB-45	1.72			J
PCB-3	5.36				PCB-46	ND	1.85		
PCB-4/10	32.3				PCB-47	2.94			J
PCB-5/8	66.0				PCB-48/75	1.51			J
PCB-6	14.0				PCB-50	ND	1.66		
PCB-7/9	ND	1.09			PCB-51	ND		0.869	
PCB-11	13.4			B	PCB-52/69	4.57			J
PCB-12/13	ND	1.12			PCB-53	ND		1.50	
PCB-14	ND	0.962			PCB-54	ND	1.26		
PCB-15	11.4				PCB-55	ND	0.988		
PCB-16/32	22.4				PCB-56/60	ND		1.56	
PCB-17	13.9				PCB-57	ND	1.16		
PCB-18	35.3				PCB-58	ND	1.15		
PCB-19	4.28			J	PCB-61/70	ND		2.22	
PCB-20/21/33	16.1				PCB-62	ND	1.17		
PCB-22	8.78				PCB-63	ND	1.12		
PCB-23	ND	0.984			PCB-65	ND	1.21		
PCB-24/27	3.07			J	PCB-66/76	ND		1.55	
PCB-25	1.98			J	PCB-67	ND	1.19		
PCB-26	4.25			J	PCB-68	0.440			J
PCB-28	19.8			B	PCB-73	ND	1.24		
PCB-29	ND	0.984			PCB-74	1.58			J
PCB-30	ND	0.716			PCB-77	ND	1.06		
PCB-31	18.7				PCB-78	ND	1.14		
PCB-34	ND	0.915			PCB-79	ND	1.05		
PCB-35	ND	1.04			PCB-80	ND	0.918		
PCB-36	0.565			J	PCB-81	ND	1.04		
PCB-37	2.57			J	PCB-82	ND	2.01		
PCB-38	ND	1.05			PCB-83	ND	1.16		
PCB-39	ND	1.03			PCB-84/92	ND	1.70		
PCB-40	0.990			J	PCB-85/116	ND	1.39		
PCB-41/64/71/72	4.11			J	PCB-86	ND	1.87		
PCB-42/59	1.93			J	PCB-87/117/125	ND	1.21		
PCB-43/49	3.68			J	PCB-88/91	ND	1.82		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-02
Project:	Stiller Pond	Sample Size:	0.987 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 8:35			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 22:21
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.83			PCB-136	ND	1.94		
PCB-90/101	ND	3.86			PCB-137	ND	1.38		
PCB-93	ND	1.92			PCB-138/163/164	1.80			J, B
PCB-94	ND	1.81			PCB-139/149	ND	2.55		
PCB-95/98/102	ND	3.79			PCB-140	ND	2.86		
PCB-96	ND	1.40			PCB-141	ND	1.41		
PCB-97	ND	1.49			PCB-144	ND	2.60		
PCB-99	ND	1.46			PCB-145	ND	2.03		
PCB-100	ND	1.58			PCB-146/165	ND	1.36		
PCB-103	ND	16.6			PCB-147	ND	2.85		
PCB-104	ND	1.21			PCB-148	ND	2.72		
PCB-105	ND	1.41			PCB-150	ND	1.97		
PCB-106/118	ND	1.15			PCB-151	ND	2.72		
PCB-107/109	ND	1.11			PCB-152	ND	1.90		
PCB-108/112	ND	1.37			PCB-153	1.22			J
PCB-110	ND	2.90			PCB-154	ND	2.50		
PCB-111/115	ND	1.04			PCB-155	ND	1.85		
PCB-113	ND	1.36			PCB-156	ND	1.13		
PCB-114	ND	1.40			PCB-157	ND	1.22		
PCB-119	ND	1.03			PCB-158/160	ND	1.10		
PCB-120	ND	0.973			PCB-159	ND	1.12		
PCB-121	ND	1.16			PCB-166	ND	1.20		
PCB-122	ND	1.66			PCB-167	ND	1.20		
PCB-123	ND	1.19			PCB-168	ND	1.08		
PCB-124	ND	1.14			PCB-169	ND	1.49		
PCB-126	ND	1.70			PCB-170	ND	1.14		
PCB-127	ND	1.48			PCB-171	ND	1.14		
PCB-128/162	ND	1.32			PCB-172	ND	1.22		
PCB-129	ND	1.64			PCB-173	ND	1.50		
PCB-130	ND	1.77			PCB-174	ND	1.28		
PCB-131	ND	1.74			PCB-175	ND	1.28		
PCB-132/161	ND	1.31			PCB-176	ND	0.921		
PCB-133/142	ND	1.62			PCB-177	ND	1.31		
PCB-134/143	ND	1.58			PCB-178	ND	1.25		
PCB-135	ND	2.79			PCB-179	ND	0.964		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-02	Date Received:	08-Apr-2016 9:26
Project:	Stiller Pond	Sample Size:	0.987 L	QC Batch:	B6D0088	Date Extracted:	20-Apr-2016 8:30
Date Collected:	07-Apr-2016 8:35			Date Analyzed:	20-Apr-16 22:21	Column:	ZB-1 Analyst: MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	1.14			Total octaCB	ND		0.982	
PCB-181	ND	1.23			Total nonaCB	ND	1.17		
PCB-182/187	ND	1.18			DecaCB	ND		0.820	
PCB-183	ND	1.10			Total PCB	340			
PCB-184	ND	1.00							
PCB-185	ND	1.18							
PCB-186	ND	0.920							
PCB-188	ND	0.881							
PCB-189	ND	0.816							
PCB-190	ND	0.848							
PCB-191	ND	0.888							
PCB-192	ND	0.951							
PCB-193	ND	0.893							
PCB-194	ND		0.982						
PCB-195	ND	0.897							
PCB-196/203	ND	1.64							
PCB-197	ND	1.68							
PCB-198	ND	2.60							
PCB-199	ND	2.64							
PCB-200	ND	1.89							
PCB-201	ND	1.79							
PCB-202	ND	1.92							
PCB-204	ND	1.82							
PCB-205	ND	0.635							
PCB-206	ND	1.17							
PCB-207	ND	1.05							
PCB-208	ND	0.776							
PCB-209	ND		0.820						
Total monoCB	20.2								
Total diCB	137								
Total triCB	152								
Total tetraCB	28.3		36.0						
Total pentaCB	ND	16.6							
Total hexaCB	3.02								
Total heptaCB	ND	1.50							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-02
Project:	Stiller Pond	Sample Size:	0.987 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 8:35			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 22:21
				Column:	ZB-1
				Analyst:	MS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	49.7	5 -145		13C-PCB-170	56.2	10 -145	
13C-PCB-3	51.1	5 -145		13C-PCB-180	55.3	10 -145	
13C-PCB-4	57.9	5 -145		13C-PCB-188	50.0	10 -145	
13C-PCB-11	61.0	5 -145		13C-PCB-189	56.5	10 -145	
13C-PCB-9	59.1	5 -145		13C-PCB-194	64.1	10 -145	
13C-PCB-19	56.8	5 -145		13C-PCB-202	48.7	10 -145	
13C-PCB-28	64.2	5 -145		13C-PCB-206	61.3	10 -145	
13C-PCB-32	57.5	5 -145		13C-PCB-208	52.5	10 -145	
13C-PCB-37	67.3	5 -145		13C-PCB-209	59.0	10 -145	
13C-PCB-47	60.7	5 -145		CRS 13C-PCB-79	70.3	10 -145	
13C-PCB-52	60.3	5 -145		13C-PCB-178	61.9	10 -145	
13C-PCB-54	53.5	5 -145					
13C-PCB-70	61.0	5 -145					
13C-PCB-77	66.6	10 -145					
13C-PCB-80	62.7	10 -145					
13C-PCB-81	66.7	10 -145					
13C-PCB-95	61.5	10 -145					
13C-PCB-97	68.7	10 -145					
13C-PCB-101	63.6	10 -145					
13C-PCB-104	57.2	10 -145					
13C-PCB-105	75.7	10 -145					
13C-PCB-114	69.6	10 -145					
13C-PCB-118	67.0	10 -145					
13C-PCB-123	68.4	10 -145					
13C-PCB-126	75.6	10 -145					
13C-PCB-127	77.3	10 -145					
13C-PCB-138	67.1	10 -145					
13C-PCB-141	66.2	10 -145					
13C-PCB-153	64.3	10 -145					
13C-PCB-155	57.9	10 -145					
13C-PCB-156	61.9	10 -145					
13C-PCB-157	61.9	10 -145					
13C-PCB-159	63.6	10 -145					
13C-PCB-167	63.9	10 -145					
13C-PCB-169	61.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:00			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 23:26
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	19.1				PCB-44	3.99			J
PCB-2	ND	1.35			PCB-45	0.822			J
PCB-3	7.04				PCB-46	0.577			J
PCB-4/10	36.0				PCB-47	13.6			
PCB-5/8	82.7				PCB-48/75	ND		0.764	
PCB-6	14.8				PCB-50	ND	0.602		
PCB-7/9	6.33			J	PCB-51	ND		2.57	
PCB-11	10.3			B	PCB-52/69	3.25			J
PCB-12/13	ND	2.32			PCB-53	ND		0.525	
PCB-14	ND	0.527			PCB-54	ND	0.457		
PCB-15	12.4				PCB-55	ND	0.303		
PCB-16/32	20.9				PCB-56/60	1.24			J
PCB-17	12.4				PCB-57	ND	0.356		
PCB-18	30.4				PCB-58	ND	0.350		
PCB-19	3.62			J	PCB-61/70	1.76			J
PCB-20/21/33	17.4				PCB-62	ND	0.405		
PCB-22	9.20				PCB-63	ND	0.342		
PCB-23	ND	0.377			PCB-65	ND	0.418		
PCB-24/27	2.40			J	PCB-66/76	1.40			J
PCB-25	2.16			J	PCB-67	ND	0.365		
PCB-26	3.56			J	PCB-68	1.59			J
PCB-28	17.3			B	PCB-73	ND	0.406		
PCB-29	ND	0.377			PCB-74	0.678			J
PCB-30	ND	0.364			PCB-77	ND	0.305		
PCB-31	19.6				PCB-78	ND	0.321		
PCB-34	ND	0.351			PCB-79	ND	0.322		
PCB-35	ND	0.366			PCB-80	ND	0.282		
PCB-36	ND	0.354			PCB-81	ND	0.293		
PCB-37	2.00			J	PCB-82	ND	1.62		
PCB-38	ND		0.410		PCB-83	ND	0.983		
PCB-39	ND	0.365			PCB-84/92	ND		0.587	
PCB-40	ND		0.511		PCB-85/116	ND	1.17		
PCB-41/64/71/72	3.16			J	PCB-86	ND	1.58		
PCB-42/59	1.68			J	PCB-87/117/125	ND	1.17		
PCB-43/49	3.18			J	PCB-88/91	ND	1.62		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:00			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 23:26
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.58			PCB-136	ND	0.607		
PCB-90/101	0.902			J	PCB-137	ND	0.638		
PCB-93	ND	1.71			PCB-138/163/164	ND		0.780	
PCB-94	ND	1.61			PCB-139/149	0.716			J
PCB-95/98/102	1.09			J	PCB-140	ND	0.891		
PCB-96	ND	1.37			PCB-141	ND	0.650		
PCB-97	ND	1.26			PCB-144	ND	0.810		
PCB-99	0.515			J	PCB-145	ND	0.634		
PCB-100	ND	1.55			PCB-146/165	ND	0.621		
PCB-103	ND	1.54			PCB-147	ND	0.889		
PCB-104	ND	1.18			PCB-148	ND	0.847		
PCB-105	ND	0.908			PCB-150	ND	0.614		
PCB-106/118	0.482			J	PCB-151	ND	0.847		
PCB-107/109	ND	0.900			PCB-152	ND	0.593		
PCB-108/112	ND	1.16			PCB-153	ND	0.561		
PCB-110	0.755			J	PCB-154	ND	0.778		
PCB-111/115	ND	0.880			PCB-155	ND	0.578		
PCB-113	ND	1.17			PCB-156	ND	0.537		
PCB-114	ND	0.465			PCB-157	ND	0.563		
PCB-119	ND	0.870			PCB-158/160	ND	0.512		
PCB-120	ND	0.823			PCB-159	ND	0.495		
PCB-121	ND	1.03			PCB-166	ND	0.530		
PCB-122	ND	0.554			PCB-167	ND	0.527		
PCB-123	ND	0.960			PCB-168	ND	0.495		
PCB-124	ND	0.922			PCB-169	ND	0.663		
PCB-126	ND	0.532			PCB-170	ND	0.610		
PCB-127	ND	0.512			PCB-171	ND	0.605		
PCB-128/162	ND	0.585			PCB-172	ND	0.651		
PCB-129	ND	0.763			PCB-173	ND	0.797		
PCB-130	ND	0.816			PCB-174	ND	0.684		
PCB-131	ND	0.795			PCB-175	ND	0.636		
PCB-132/161	ND	0.601			PCB-176	ND	0.458		
PCB-133/142	ND	0.739			PCB-177	ND	0.696		
PCB-134/143	ND	0.722			PCB-178	ND	0.620		
PCB-135	ND	0.869			PCB-179	ND	0.479		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:00			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 23:26
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.608			Total octaCB	ND		0.578	
PCB-181	ND	0.653			Total nonaCB	ND	0.463		
PCB-182/187	ND	0.586			DecaCB	0.486			
PCB-183	ND	0.545			Total PCB	371			
PCB-184	ND	0.498							
PCB-185	ND	0.627							
PCB-186	ND	0.457							
PCB-188	ND	0.438							
PCB-189	ND	0.432							
PCB-190	ND	0.453							
PCB-191	ND	0.473							
PCB-192	ND	0.507							
PCB-193	ND	0.476							
PCB-194	ND		0.578						
PCB-195	ND	0.375							
PCB-196/203	ND	0.862							
PCB-197	ND	0.613							
PCB-198	ND	0.948							
PCB-199	ND	0.964							
PCB-200	ND	0.691							
PCB-201	ND	0.652							
PCB-202	ND	0.701							
PCB-204	ND	0.665							
PCB-205	ND	0.266							
PCB-206	ND	0.463							
PCB-207	ND	0.312							
PCB-208	ND	0.316							
PCB-209	0.486			J					
Total monoCB	26.2								
Total diCB	163								
Total triCB	141								
Total tetraCB	36.9		41.2						
Total pentaCB	3.74		4.33						
Total hexaCB	0.716		1.50						
Total heptaCB	ND	0.797							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:00			QC Batch:	B6D0088
				Date Analyzed:	20-Apr-16 23:26
				Column:	ZB-1
				Analyst:	MS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	62.4	5 -145		13C-PCB-170	76.1	10 -145	
13C-PCB-3	61.6	5 -145		13C-PCB-180	75.8	10 -145	
13C-PCB-4	67.6	5 -145		13C-PCB-188	73.0	10 -145	
13C-PCB-11	77.6	5 -145		13C-PCB-189	76.1	10 -145	
13C-PCB-9	69.7	5 -145		13C-PCB-194	94.2	10 -145	
13C-PCB-19	68.3	5 -145		13C-PCB-202	69.7	10 -145	
13C-PCB-28	73.5	5 -145		13C-PCB-206	89.7	10 -145	
13C-PCB-32	71.4	5 -145		13C-PCB-208	75.0	10 -145	
13C-PCB-37	90.0	5 -145		13C-PCB-209	82.0	10 -145	
13C-PCB-47	77.1	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	78.8	5 -145		13C-PCB-178	88.7	10 -145	
13C-PCB-54	65.0	5 -145					
13C-PCB-70	86.9	5 -145					
13C-PCB-77	98.2	10 -145					
13C-PCB-80	88.3	10 -145					
13C-PCB-81	98.4	10 -145					
13C-PCB-95	79.3	10 -145					
13C-PCB-97	95.0	10 -145					
13C-PCB-101	87.4	10 -145					
13C-PCB-104	69.3	10 -145					
13C-PCB-105	106	10 -145					
13C-PCB-114	101	10 -145					
13C-PCB-118	96.9	10 -145					
13C-PCB-123	98.6	10 -145					
13C-PCB-126	110	10 -145					
13C-PCB-127	108	10 -145					
13C-PCB-138	93.8	10 -145					
13C-PCB-141	93.3	10 -145					
13C-PCB-153	90.3	10 -145					
13C-PCB-155	78.1	10 -145					
13C-PCB-156	87.5	10 -145					
13C-PCB-157	87.1	10 -145					
13C-PCB-159	93.6	10 -145					
13C-PCB-167	93.5	10 -145					
13C-PCB-169	85.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-04
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:20			QC Batch:	B6D0088
				Date Analyzed:	21-Apr-16 00:31
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	17.1				PCB-44	ND		2.63	
PCB-2	1.22			J	PCB-45	0.898			J
PCB-3	6.81				PCB-46	0.670			J
PCB-4/10	32.7				PCB-47	ND		1.41	
PCB-5/8	80.8				PCB-48/75	0.723			J
PCB-6	14.8				PCB-50	ND	0.713		
PCB-7/9	6.61			J	PCB-51	0.541			J
PCB-11	8.32			B	PCB-52/69	2.52			J
PCB-12/13	ND	2.09			PCB-53	0.649			J
PCB-14	ND	0.898			PCB-54	ND	0.542		
PCB-15	12.1				PCB-55	ND	0.389		
PCB-16/32	19.7				PCB-56/60	0.941			J
PCB-17	10.6				PCB-57	ND	0.417		
PCB-18	29.3				PCB-58	ND	0.411		
PCB-19	3.24			J	PCB-61/70	1.84			J
PCB-20/21/33	16.0				PCB-62	ND	0.520		
PCB-22	8.42				PCB-63	ND	0.401		
PCB-23	ND	0.477			PCB-65	ND	0.536		
PCB-24/27	2.11			J	PCB-66/76	ND		1.26	
PCB-25	1.94			J	PCB-67	ND	0.428		
PCB-26	3.33			J	PCB-68	ND	0.438		
PCB-28	17.3			B	PCB-73	ND	0.531		
PCB-29	ND	0.477			PCB-74	0.626			J
PCB-30	ND	0.442			PCB-77	ND	0.417		
PCB-31	16.7				PCB-78	ND	0.413		
PCB-34	ND	0.443			PCB-79	ND	0.413		
PCB-35	ND	0.460			PCB-80	ND	0.362		
PCB-36	ND	0.445			PCB-81	ND	0.377		
PCB-37	1.71			J	PCB-82	ND	1.86		
PCB-38	ND	0.465			PCB-83	ND	1.16		
PCB-39	ND	0.458			PCB-84/92	ND	1.62		
PCB-40	0.841			J	PCB-85/116	ND	1.38		
PCB-41/64/71/72	2.79			J	PCB-86	ND	1.86		
PCB-42/59	ND		0.821		PCB-87/117/125	ND	1.21		
PCB-43/49	2.18			J	PCB-88/91	ND	1.78		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-04
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:20			QC Batch:	B6D0088
				Date Analyzed:	21-Apr-16 00:31
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.75			PCB-136	ND	0.711		
PCB-90/101	0.809			J	PCB-137	ND	0.766		
PCB-93	ND	1.88			PCB-138/163/164	ND		0.704	
PCB-94	ND	1.77			PCB-139/149	ND		0.894	
PCB-95/98/102	ND	1.55			PCB-140	ND	1.04		
PCB-96	ND	1.49			PCB-141	ND	0.780		
PCB-97	ND	1.48			PCB-144	ND	0.949		
PCB-99	ND	1.76			PCB-145	ND	0.743		
PCB-100	ND	1.68			PCB-146/165	ND	0.702		
PCB-103	ND	1.68			PCB-147	ND	1.04		
PCB-104	ND	1.28			PCB-148	ND	0.993		
PCB-105	ND	0.595			PCB-150	ND	0.720		
PCB-106/118	0.697			J	PCB-151	ND	0.993		
PCB-107/109	ND	1.04			PCB-152	ND	0.695		
PCB-108/112	ND	1.37			PCB-153	ND	1.72		
PCB-110	0.801			J	PCB-154	ND	0.912		
PCB-111/115	ND	1.04			PCB-155	ND	0.678		
PCB-113	ND	1.30			PCB-156	ND	0.637		
PCB-114	ND	0.672			PCB-157	ND	0.669		
PCB-119	ND	1.02			PCB-158/160	ND	0.589		
PCB-120	ND	0.969			PCB-159	ND	0.618		
PCB-121	ND	1.13			PCB-166	ND	0.662		
PCB-122	ND	0.800			PCB-167	ND	0.613		
PCB-123	ND	1.10			PCB-168	ND	0.560		
PCB-124	ND	1.06			PCB-169	ND	0.800		
PCB-126	ND	0.754			PCB-170	ND	0.760		
PCB-127	ND	0.911			PCB-171	ND	0.700		
PCB-128/162	ND	0.730			PCB-172	ND	0.753		
PCB-129	ND	0.879			PCB-173	ND	0.923		
PCB-130	ND	0.980			PCB-174	ND	0.791		
PCB-131	ND	0.898			PCB-175	ND	0.757		
PCB-132/161	ND	1.72			PCB-176	ND	0.544		
PCB-133/142	ND	0.835			PCB-177	ND	0.805		
PCB-134/143	ND	0.816			PCB-178	ND	0.737		
PCB-135	ND	1.02			PCB-179	ND	0.570		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-04
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:20			QC Batch:	B6D0088
				Date Analyzed:	21-Apr-16 00:31
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.703			Total octaCB	0.555			
PCB-181	ND	0.755			Total nonaCB	ND	0.554		
PCB-182/187	ND	0.697			DecaCB	ND	0.387		
PCB-183	ND	0.647			Total PCB	329			
PCB-184	ND	0.592							
PCB-185	ND	0.725							
PCB-186	ND	0.544							
PCB-188	ND	0.521							
PCB-189	ND	0.527							
PCB-190	ND	0.565							
PCB-191	ND	0.547							
PCB-192	ND	0.586							
PCB-193	ND	0.550							
PCB-194	0.555			J					
PCB-195	ND	0.488							
PCB-196/203	ND	1.30							
PCB-197	ND	0.923							
PCB-198	ND	1.43							
PCB-199	ND	1.45							
PCB-200	ND	1.04							
PCB-201	ND	0.983							
PCB-202	ND	1.06							
PCB-204	ND	1.00							
PCB-205	ND	0.345							
PCB-206	ND	0.479							
PCB-207	ND	0.315							
PCB-208	ND	0.554							
PCB-209	ND	0.387							
Total monoCB	25.1								
Total diCB	155								
Total triCB	130								
Total tetraCB	15.2		21.3						
Total pentaCB	2.31								
Total hexaCB	ND		1.60						
Total heptaCB	ND	0.923							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-04
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 9:20			QC Batch:	B6D0088
				Date Analyzed:	21-Apr-16 00:31
				Column:	ZB-1
				Analyst:	MS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	64.2	5 -145		13C-PCB-170	80.1	10 -145	
13C-PCB-3	65.0	5 -145		13C-PCB-180	82.1	10 -145	
13C-PCB-4	71.1	5 -145		13C-PCB-188	78.5	10 -145	
13C-PCB-11	83.1	5 -145		13C-PCB-189	81.6	10 -145	
13C-PCB-9	75.5	5 -145		13C-PCB-194	98.0	10 -145	
13C-PCB-19	75.2	5 -145		13C-PCB-202	69.2	10 -145	
13C-PCB-28	90.0	5 -145		13C-PCB-206	94.2	10 -145	
13C-PCB-32	78.7	5 -145		13C-PCB-208	78.5	10 -145	
13C-PCB-37	105	5 -145		13C-PCB-209	91.0	10 -145	
13C-PCB-47	79.7	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	84.7	5 -145		13C-PCB-178	94.8	10 -145	
13C-PCB-54	72.3	5 -145					
13C-PCB-70	97.4	5 -145					
13C-PCB-77	102	10 -145					
13C-PCB-80	96.6	10 -145					
13C-PCB-81	101	10 -145					
13C-PCB-95	91.8	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	95.1	10 -145					
13C-PCB-104	79.6	10 -145					
13C-PCB-105	115	10 -145					
13C-PCB-114	109	10 -145					
13C-PCB-118	110	10 -145					
13C-PCB-123	110	10 -145					
13C-PCB-126	115	10 -145					
13C-PCB-127	118	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	100	10 -145					
13C-PCB-153	99.2	10 -145					
13C-PCB-155	84.9	10 -145					
13C-PCB-156	94.2	10 -145					
13C-PCB-157	92.7	10 -145					
13C-PCB-159	97.3	10 -145					
13C-PCB-167	98.6	10 -145					
13C-PCB-169	93.2	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 8:10			QC Batch:	B6D0088
				Date Analyzed:	21-Apr-16 01:36
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	24.9				PCB-44	5.52			
PCB-2	1.60			J	PCB-45	1.74			J
PCB-3	8.05				PCB-46	0.816			J
PCB-4/10	45.6				PCB-47	3.27			J
PCB-5/8	102				PCB-48/75	1.22			J
PCB-6	18.5				PCB-50	ND	0.834		
PCB-7/9	7.66			J	PCB-51	0.705			J
PCB-11	9.92			B	PCB-52/69	4.43			J
PCB-12/13	ND	0.994			PCB-53	1.63			J
PCB-14	ND	0.856			PCB-54	ND	0.634		
PCB-15	20.1				PCB-55	ND	0.424		
PCB-16/32	31.1				PCB-56/60	1.78			J
PCB-17	16.4				PCB-57	ND	0.465		
PCB-18	44.3				PCB-58	ND	0.458		
PCB-19	5.60				PCB-61/70	2.52			J
PCB-20/21/33	20.4				PCB-62	ND	0.571		
PCB-22	12.1				PCB-63	ND	0.448		
PCB-23	ND	0.424			PCB-65	ND	0.588		
PCB-24/27	3.12			J	PCB-66/76	1.71			J
PCB-25	2.32			J	PCB-67	ND	0.477		
PCB-26	4.52			J	PCB-68	ND		0.400	
PCB-28	25.9			B	PCB-73	ND	0.580		
PCB-29	ND	0.424			PCB-74	1.10			J
PCB-30	ND	0.538			PCB-77	ND	0.445		
PCB-31	24.3				PCB-78	ND	0.464		
PCB-34	ND	0.394			PCB-79	ND	0.450		
PCB-35	ND	0.410			PCB-80	ND	0.394		
PCB-36	ND	0.397			PCB-81	ND	0.423		
PCB-37	3.04			J	PCB-82	ND	1.63		
PCB-38	ND	0.415			PCB-83	ND	0.962		
PCB-39	ND	0.409			PCB-84/92	0.897			J
PCB-40	1.56			J	PCB-85/116	ND	1.15		
PCB-41/64/71/72	4.91			J	PCB-86	ND	1.55		
PCB-42/59	2.03			J	PCB-87/117/125	ND	1.00		
PCB-43/49	4.33			J	PCB-88/91	ND	1.48		

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Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
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				Date Analyzed:	21-Apr-16 01:36
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.51			PCB-136	ND	0.753		
PCB-90/101	1.20			J	PCB-137	ND	0.580		
PCB-93	ND	1.56			PCB-138/163/164	1.16			B, J
PCB-94	ND	1.47			PCB-139/149	0.939			J
PCB-95/98/102	0.733			J	PCB-140	ND	1.11		
PCB-96	ND	1.29			PCB-141	ND	0.591		
PCB-97	ND	1.23			PCB-144	ND	1.01		
PCB-99	0.611			J	PCB-145	ND	0.787		
PCB-100	ND	1.46			PCB-146/165	ND	0.551		
PCB-103	ND	1.46			PCB-147	ND	1.10		
PCB-104	ND	1.12			PCB-148	ND	1.05		
PCB-105	ND		0.325		PCB-150	ND	0.762		
PCB-106/118	0.837			J	PCB-151	ND	1.05		
PCB-107/109	ND	0.904			PCB-152	ND	0.736		
PCB-108/112	ND	1.14			PCB-153	0.934			J
PCB-110	1.15			J	PCB-154	ND	0.966		
PCB-111/115	ND	0.861			PCB-155	ND	0.718		
PCB-113	ND	1.12			PCB-156	ND	0.480		
PCB-114	ND	0.553			PCB-157	ND	0.498		
PCB-119	ND	0.851			PCB-158/160	ND	0.450		
PCB-120	ND	0.805			PCB-159	ND	0.461		
PCB-121	ND	0.942			PCB-166	ND	0.493		
PCB-122	ND	0.658			PCB-167	ND	0.481		
PCB-123	ND	0.964			PCB-168	ND	0.439		
PCB-124	ND	0.926			PCB-169	ND	0.589		
PCB-126	ND	0.626			PCB-170	ND	0.538		
PCB-127	ND	0.591			PCB-171	ND	0.520		
PCB-128/162	ND	0.545			PCB-172	ND	0.559		
PCB-129	ND	0.671			PCB-173	ND	0.685		
PCB-130	ND	0.742			PCB-174	ND	0.587		
PCB-131	ND	0.705			PCB-175	ND	0.580		
PCB-132/161	ND	0.533			PCB-176	ND	0.417		
PCB-133/142	ND	0.655			PCB-177	ND	0.597		
PCB-134/143	ND	0.640			PCB-178	ND	0.565		
PCB-135	ND	1.08			PCB-179	ND	0.436		

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Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
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				Date Analyzed:	21-Apr-16 01:36
				Column:	ZB-1
				Analyst:	MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.522			Total octaCB	0.842			
PCB-181	ND	0.560			Total nonaCB	ND	0.535		
PCB-182/187	ND	0.534			DecaCB	ND		0.396	
PCB-183	ND	0.496			Total PCB	479			
PCB-184	ND	0.454							
PCB-185	ND	0.538							
PCB-186	ND	0.417							
PCB-188	ND	0.399							
PCB-189	ND	0.407							
PCB-190	ND	0.400							
PCB-191	ND	0.406							
PCB-192	ND	0.435							
PCB-193	ND	0.408							
PCB-194	0.842			J					
PCB-195	ND	0.466							
PCB-196/203	ND	1.01							
PCB-197	ND	0.716							
PCB-198	ND	1.11							
PCB-199	ND	1.13							
PCB-200	ND	0.808							
PCB-201	ND	0.763							
PCB-202	ND	0.820							
PCB-204	ND	0.778							
PCB-205	ND	0.330							
PCB-206	ND	0.535							
PCB-207	ND	0.348							
PCB-208	ND	0.353							
PCB-209	ND		0.396						
Total monoCB	34.5								
Total diCB	203								
Total triCB	193								
Total tetraCB	39.3		39.7						
Total pentaCB	5.43		5.76						
Total hexaCB	3.04								
Total heptaCB	ND	0.685							

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See individual congeners for qualifiers.

Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600387-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	08-Apr-2016 9:26
Date Collected:	07-Apr-2016 8:10			QC Batch:	B6D0088
				Date Analyzed:	21-Apr-16 01:36
				Column:	ZB-1
				Analyst:	MS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	42.4	5 -145		13C-PCB-170	70.9	10 -145	
13C-PCB-3	47.1	5 -145		13C-PCB-180	71.6	10 -145	
13C-PCB-4	51.7	5 -145		13C-PCB-188	64.7	10 -145	
13C-PCB-11	64.8	5 -145		13C-PCB-189	65.7	10 -145	
13C-PCB-9	56.3	5 -145		13C-PCB-194	80.7	10 -145	
13C-PCB-19	55.4	5 -145		13C-PCB-202	58.2	10 -145	
13C-PCB-28	74.0	5 -145		13C-PCB-206	77.8	10 -145	
13C-PCB-32	63.4	5 -145		13C-PCB-208	64.3	10 -145	
13C-PCB-37	84.8	5 -145		13C-PCB-209	74.5	10 -145	
13C-PCB-47	62.1	5 -145		CRS 13C-PCB-79	81.9	10 -145	
13C-PCB-52	64.6	5 -145		13C-PCB-178	78.3	10 -145	
13C-PCB-54	52.6	5 -145					
13C-PCB-70	75.7	5 -145					
13C-PCB-77	80.6	10 -145					
13C-PCB-80	75.3	10 -145					
13C-PCB-81	78.0	10 -145					
13C-PCB-95	77.3	10 -145					
13C-PCB-97	84.5	10 -145					
13C-PCB-101	79.0	10 -145					
13C-PCB-104	63.4	10 -145					
13C-PCB-105	93.8	10 -145					
13C-PCB-114	88.4	10 -145					
13C-PCB-118	84.4	10 -145					
13C-PCB-123	85.8	10 -145					
13C-PCB-126	95.7	10 -145					
13C-PCB-127	94.9	10 -145					
13C-PCB-138	83.9	10 -145					
13C-PCB-141	83.1	10 -145					
13C-PCB-153	81.1	10 -145					
13C-PCB-155	70.9	10 -145					
13C-PCB-156	77.7	10 -145					
13C-PCB-157	77.6	10 -145					
13C-PCB-159	81.3	10 -145					
13C-PCB-167	81.8	10 -145					
13C-PCB-169	77.3	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600387 TAT Std

Samples Arrival:	Date/Time: 04/08/16 0926	Initials: UBSB	Location: WR-8
			Shelf/Rack: NA
Logged In:	Date/Time: 04/08/16 1317	Initials: UBSB	Location: WR-2
			Shelf/Rack: A4
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C: 0.4 (uncorrected)	Time: 0927		Thermometer ID: IR-2
Temp °C: -0.9 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>1E62E3F70117233161</u>	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?			✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?		COC	Sample Container
			<u>None</u>
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
			Return
			Dispose

Comments:



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

May 24, 2016

Page 1 of 1

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

RE: 16-09951 - Aquifer Recharge Water 2016

Dear Mr. Steve Patten,

Your project: Aquifer Recharge Water 2016, was received on Wednesday May 04, 2016.

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

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

Respectfully

Patrick Miller, MS
QA Officer

Enclosures: Data Report



Burlington, WA *Corporate Laboratory (a)*
 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
 Bellingham, WA *Microbiology (b)*
 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802
 Corvallis, OR *Microbiology/Chemistry (d)*
 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR *Microbiology (e)*
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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


Reference Number: **16-09951**
 Project: Aquifer Recharge Water
 2016

Report Date: 5/24/16

Date Received: 5/4/16

Approved by: anp,bj,ckk,fm,mmh,mvp

Authorized by:


 Patrick Miller, MS
 QA Officer

Sample Description: Stiller Pond - Mill Creek										Sample Date: 5/3/16 10:45 am		
Lab Number: 22666		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.71	0.10		NTU	1.0	180.1	a	5/4/16	RHF	TURB_160504	
7440-70-2	CALCIUM	9.9	0.5	0.015	mg/L	1.0	200.7	a	5/10/16	MMH	200.7_160510A	
7439-97-6	MERCURY	ND	0.0002	7.63E-06	mg/L	1.0	245.1	a	5/9/16	RHF	245.1_160509	
16887-00-6	CHLORIDE	4.2	0.1	0.0043	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
16984-48-8	FLUORIDE	0.13	0.1	0.0049	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
14808-79-8	SULFATE	3.0	0.2	0.0087	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
NA	BICARBONATE	46.3	5.00		mg CaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CORROSIVITY	-1.78			SI	1.0	SM203	a	5/12/16	mvp	cor_160512	
E-11712	COLOR	10	5		Color Units	1.0	SM2120 B	a	5/4/16	RHF	COLOR_160504	pH: 7.5
E-11734	ODOR	4	1		TON	1.0	SM2150	a	5/4/16	RHF	ODOR_160504	Temperature: 41.5
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	98	10		mg/L	1.0	SM2540 C	a	5/11/16	MMH	TDS_160506	
E-10139	HYDROGEN ION (pH)	7.28 H5			pH Units	1.0	SM4500-H+ B	a	5/4/16	RHF	PH_160504	
14797-55-8	NITRATE-N	0.77	0.010	0.002	mg/L	1.0	SM4500-NO3 F	a	5/4/16	ANP	NO3NO2_160504	
14265-44-2	ORTHO-PHOSPHATE	0.11	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/4/16	ANP	OPHOS_160504	
NA	SURFACTANTS	0.037	0.05	0.05	mg/L	1.0	SM5540 C		5/21/16	MJ	AMTE5540_16052	Analyzed by Amtest
7439-89-6	IRON	0.15	0.050	0.0013	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7439-96-5	MANGANESE	0.0049	0.001	0.0001	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7440-38-2	ARSENIC	0.0002 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-39-3	BARIUM	0.013	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-47-3	CHROMIUM	ND	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-50-8	COPPER	0.001 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	

Notes:

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

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

Data Report

7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW
7440-66-6	ZINC	0.002 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW
	E. Coli	40.4 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504
	TOTAL COLIFORM	>2419.6 H3	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504
7723-14-0	TOTAL PHOSPHORUS	0.139	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/5/16	ANP	TPHOS_160505

Sample Description: Stiller Pond - GW_136								Sample Date: 5/3/16 10:00 am			
Lab Number: 22667				Sample Comment:				Collected By: Steven Patten			

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	11.2	0.10		NTU	1.0	180.1	a	5/4/16	RHF	TURB_160504	
7440-70-2	CALCIUM	27.4	0.5	0.015	mg/L	1.0	200.7	a	5/10/16	MMH	200.7_160510A	
7439-97-6	MERCURY	ND	0.0002	7.63E-06	mg/L	1.0	245.1	a	5/9/16	RHF	245.1_160509	
16887-00-6	CHLORIDE	2.9	0.1	0.0043	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
16984-48-8	FLUORIDE	0.19	0.1	0.0049	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
14808-79-8	SULFATE	4.4	0.2	0.0087	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
NA	BICARBONATE	116	5.00		mg CaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CORROSIVITY	-0.46			SI	1.0	SM203	a	5/12/16	mvp	cor_160512	
E-11712	COLOR	8	5		Color Units	1.0	SM2120 B	a	5/4/16	RHF	COLOR_160504	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/4/16	RHF	ODOR_160504	Temperature: 41.5
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	157	10		mg/L	1.0	SM2540 C	a	5/11/16	MMH	TDS_160506	
E-10139	HYDROGEN ION (pH)	7.77 H5			pH Units	1.0	SM4500-H+ B	a	5/4/16	RHF	PH_160504	
14797-55-8	NITRATE-N	0.28	0.010	0.002	mg/L	1.0	SM4500-NO3 F	a	5/4/16	ANP	NO3NO2_160504	
14265-44-2	ORTHO-PHOSPHATE	0.20	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/4/16	ANP	OPHOS_160504	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/21/16	MJ	AMTE5540_16052	Analyzed by Amtest
7439-89-6	IRON	0.48	0.050	0.0013	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7439-96-5	MANGANESE	0.0268	0.001	0.0001	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7440-38-2	ARSENIC	0.011	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-39-3	BARIUM	0.049	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-47-3	CHROMIUM	0.001	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-50-8	COPPER	0.0025	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7439-92-1	LEAD	0.00054	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-22-4	SILVER	0.0002	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-66-6	ZINC	0.0025	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
	E. Coli	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
	TOTAL COLIFORM	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	

Notes:

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 D.F. - Dilution Factor

Data Report

7723-14-0 **TOTAL PHOSPHORUS** 0.308 0.050 0.003 mg/L 5.0 SM4500-P F/SM4500-P B(5) a 5/5/16 ANP TPHOS_160505

Sample Description: Stiller Pond - GW_145										Sample Date: 5/3/16 10:50 am		
Lab Number: 22668					Sample Comment:					Collected By: Steven Patten		

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	8.99	0.10		NTU	1.0	180.1	a	5/4/16	RHF	TURB_160504	
7440-70-2	CALCIUM	44.0	0.5	0.015	mg/L	1.0	200.7	a	5/10/16	MMH	200.7_160510A	
7439-97-6	MERCURY	ND	0.0002	7.63E-06	mg/L	1.0	245.1	a	5/9/16	RHF	245.1_160509	
16887-00-6	CHLORIDE	19.9	0.1	0.0043	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
16984-48-8	FLUORIDE	0.22	0.1	0.0049	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
14808-79-8	SULFATE	29.4	0.2	0.0087	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
NA	BICARBONATE	194	5.00		mg CaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CORROSIVITY	-0.44			SI	1.0	SM203	a	5/12/16	mvp	cor_160512	
E-11712	COLOR	10	5		Color Units	1.0	SM2120 B	a	5/4/16	RHF	COLOR_160504	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/4/16	RHF	ODOR_160504	Temperature: 41.7
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	322	10		mg/L	1.0	SM2540 C	a	5/11/16	MMH	TDS_160506	
E-10139	HYDROGEN ION (pH)	7.39 H5			pH Units	1.0	SM4500-H+ B	a	5/4/16	RHF	PH_160504	
14797-55-8	NITRATE-N	3.07	0.010	0.002	mg/L	1.0	SM4500-NO3 F	a	5/4/16	ANP	NO3NO2_160504	
14265-44-2	ORTHO-PHOSPHATE	0.14	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/4/16	ANP	OPHOS_160504	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/21/16	MJ	AMTE5540_16052	Analyzed by Amtest
7439-89-6	IRON	0.33	0.050	0.0013	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7439-96-5	MANGANESE	0.0149	0.001	0.0001	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7440-38-2	ARSENIC	0.002	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-39-3	BARIUM	0.061	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-47-3	CHROMIUM	0.0004 J	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-50-8	COPPER	0.0022	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7439-92-1	LEAD	0.00028 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-66-6	ZINC	0.002 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
	E. Coli	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
	TOTAL COLIFORM	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
7723-14-0	TOTAL PHOSPHORUS	0.181	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/5/16	ANP	TPHOS_160505	

Sample Description: Stiller Pond - GW_146										Sample Date: 5/3/16 10:20 am		
Lab Number: 22669					Sample Comment:					Collected By: Steven Patten		

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
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Notes:

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

Data Report

E-10617	TURBIDITY	3.59	0.10		NTU	1.0	180.1	a	5/4/16	RHF	TURB_160504	
7440-70-2	CALCIUM	42.2	0.5	0.015	mg/L	1.0	200.7	a	5/10/16	MMH	200.7_160510A	
7439-97-6	MERCURY	ND	0.0002	7.63E-06	mg/L	1.0	245.1	a	5/9/16	RHF	245.1_160509	
16887-00-6	CHLORIDE	22.1	0.1	0.0043	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
16984-48-8	FLUORIDE	0.26	0.1	0.0049	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
14808-79-8	SULFATE	30.0	0.2	0.0087	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
NA	BICARBONATE	209	5.00		mg CaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CORROSIVITY	-0.35			SI	1.0	SM203	a	5/12/16	mvp	cor_160512	
E-11712	COLOR	10	5		Color Units	1.0	SM2120 B	a	5/4/16	RHF	COLOR_160504	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/4/16	RHF	ODOR_160504	Temperature: 41.7
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	361	10		mg/L	1.0	SM2540 C	a	5/11/16	MMH	TDS_160506	
E-10139	HYDROGEN ION (pH)	7.47 H5			pH Units	1.0	SM4500-H+ B	a	5/4/16	RHF	PH_160504	
14797-55-8	NITRATE-N	6.01	0.010	0.002	mg/L	1.0	SM4500-NO3 F	a	5/4/16	ANP	NO3NO2_160504	
14265-44-2	ORTHO-PHOSPHATE	0.12	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/4/16	ANP	OPHOS_160504	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/21/16	MJ	AMTE5540_16052	Analyzed by Amtest
7439-89-6	IRON	0.13	0.050	0.0013	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7439-96-5	MANGANESE	0.0038	0.001	0.0001	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7440-38-2	ARSENIC	0.002	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-39-3	BARIUM	0.065	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-47-3	CHROMIUM	0.0005	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-50-8	COPPER	0.0018 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7439-92-1	LEAD	0.00017 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7782-49-2	SELENIUM	0.0004 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
7440-66-6	ZINC	0.0016 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWW	
	E. Coli	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
	TOTAL COLIFORM	9.2 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
7723-14-0	TOTAL PHOSPHORUS	0.125	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	5/5/16	ANP	TPHOS_160505	

Sample Description: Stiller Pond - GW-147	Sample Date: 5/3/16 9:15 am
Lab Number: 22670	Sample Comment:
	Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.76	0.10		NTU	1.0	180.1	a	5/4/16	RHF	TURB_160504	
7440-70-2	CALCIUM	35.2	0.5	0.015	mg/L	1.0	200.7	a	5/10/16	MMH	200.7_160510A	
7439-97-6	MERCURY	ND	0.0002	7.63E-06	mg/L	1.0	245.1	a	5/9/16	RHF	245.1_160509	
16887-00-6	CHLORIDE	24.4	0.1	0.0043	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
16984-48-8	FLUORIDE	0.16	0.1	0.0049	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	
14808-79-8	SULFATE	18.8	0.2	0.0087	mg/L	1.0	300.0	a	5/5/16	MMH	I160504A	

Notes:

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D.F. - Dilution Factor

Data Report

NA	BICARBONATE	135	5.00		mg CaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CARBONATE	ND	5.00		mgCaCO3/L	1.0	310.2	a	5/5/16	ANP	310.2_160505	
NA	CORROSIVITY	-0.72			SI	1.0	SM203	a	5/12/16	mvp	cor_160512	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	5/4/16	RHF	COLOR_160504	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	5/4/16	RHF	ODOR_160504	Temperature: 41.7
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	270	10		mg/L	1.0	SM2540 C	a	5/11/16	MMH	TDS_160506	
E-10139	HYDROGEN ION (pH)	7.36 H5			pH Units	1.0	SM4500-H+ B	a	5/4/16	RHF	PH_160504	
14797-55-8	NITRATE-N	4.39	0.010	0.002	mg/L	1.0	SM4500-NO3 F	a	5/4/16	ANP	NO3NO2_160504	
14265-44-2	ORTHO-PHOSPHATE	0.19	0.005	0.002	mg/L	1.0	SM4500-P F	a	5/4/16	ANP	OPHOS_160504	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C		5/21/16	MJ	AMTE5540_16052	Analyzed by Amtest
7439-89-6	IRON	ND	0.050	0.0013	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7439-96-5	MANGANESE	ND	0.001	0.0001	mg/L	1.0	200.7/3010A	a	5/10/16	MMH	200.7_160510A	
7440-38-2	ARSENIC	0.0035	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7440-39-3	BARIUM	0.035	0.001	0.00014	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7440-47-3	CHROMIUM	0.0002 J	0.0005	0.00011	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7440-50-8	COPPER	0.0015 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7782-49-2	SELENIUM	0.0004 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
7440-66-6	ZINC	0.0016 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	5/10/16	MVP	200.8_160510AWV	
	E. Coli	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
	TOTAL COLIFORM	<1.0 H1	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	b	5/5/16	CLH	qt_160504	
7723-14-0	TOTAL PHOSPHORUS	0.266	0.050	0.003	mg/L	5.0	SM4500-P F/SM4500-P B(5)	a	5/5/16	ANP	TPHOS_160505	

Notes:

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



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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22670
Field ID: Stiller Pond
Sample Description: GW-147
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3535

Report Date: 5/24/16
Date Analyzed: 5/5/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00		W
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00		W
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00		W
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00		W
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00		W
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		W
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		W
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00		W
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00		W
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00		W
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00		W
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00		W
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00		W
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00		W
72-20-8	ENDRIN	ND		ug/L	0.05	0.05	0.02	1.00		W
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00		W
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00		W
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00		W
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00		W
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00		W
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		W

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 1


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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22670
Field ID: Stiller Pond
Sample Description: GW-147
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3510C

Report Date: 5/24/16
Date Analyzed: 5/6/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22670
Field ID: Stiller Pond
Sample Description: GW-147
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/10/16
Extraction Method: 5030B

Report Date: 5/24/16
Date Analyzed: 5/10/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160510
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		

Notes:

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22669
Field ID: Stiller Pond
Sample Description: GW_146
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3535

Report Date: 5/24/16
Date Analyzed: 5/5/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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DATA REPORT

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810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22669
Field ID: Stiller Pond
Sample Description: GW_146
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3510C

Report Date: 5/24/16
Date Analyzed: 5/6/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151w_160505
Approved By: pdm,rjk

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Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
1861-32-1	TOTAL DCPA	0.10		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22669
Field ID: Stiller Pond
Sample Description: GW_146
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/10/16
Extraction Method: 5030B

Report Date: 5/24/16
Date Analyzed: 5/10/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160510
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		

Notes:

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22668
Field ID: Stiller Pond
Sample Description: GW_145
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3535

Report Date: 5/24/16
Date Analyzed: 5/5/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22668
Field ID: Stiller Pond
Sample Description: GW_145
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3510C

Report Date: 5/24/16
Date Analyzed: 5/6/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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DATA REPORT

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Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22668
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Sample Description: GW_145
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/10/16
Extraction Method: 5030B

Report Date: 5/24/16
Date Analyzed: 5/10/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160510
Approved By: pdm,rjk

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Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22667
Field ID: Stiller Pond
Sample Description: GW_136
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3535

Report Date: 5/24/16
Date Analyzed: 5/5/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22667
Field ID: Stiller Pond
Sample Description: GW_136
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3510C

Report Date: 5/24/16
Date Analyzed: 5/6/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22667
Field ID: Stiller Pond
Sample Description: GW_136
Matrix: Water
Sample Date: 5/3/16
Extraction Date: 5/10/16
Extraction Method: 5030B

Report Date: 5/24/16
Date Analyzed: 5/10/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160510
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22666
Field ID: Stiller Pond
Sample Description: Mill Creek
Matrix: Surface Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3535

Report Date: 5/24/16
Date Analyzed: 5/5/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.02	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.03	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.03	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.035	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.03	1.00		
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.01	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.02	1.00		
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.03	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.015	1.00		
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.02	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.03	1.00		
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.02	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.02	1.00		
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.03	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.02	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00		

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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1


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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22666
Field ID: Stiller Pond
Sample Description: Mill Creek
Matrix: Surface Water
Sample Date: 5/3/16
Extraction Date: 5/5/16
Extraction Method: 3510C

Report Date: 5/24/16
Date Analyzed: 5/6/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160505
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2


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

Reference Number: **16-09951**
Project: Aquifer Recharge Water 2011

Lab Number: 22666
Field ID: Stiller Pond
Sample Description: Mill Creek
Matrix: Surface Water
Sample Date: 5/3/16
Extraction Date: 5/10/16
Extraction Method: 5030B

Report Date: 5/24/16
Date Analyzed: 5/10/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160510
Approved By: pdm,rjk

Authorized by:


Patrick Miller, MS
QA Officer

CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00		
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00		
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00		
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND		ug/L		0.4	0.15	1.00		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00		
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00		
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00		
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00		
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00		
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00		
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00		
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00		
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00		

Notes:

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D.F. - Dilution Factor.

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CAS	Compound	RESULT	Flag	UNITS	Lab QL	Permit QL	MDL	D.F.	Lab	COMMENT
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00		
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00		
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00		
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00		
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00		
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00		
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00		
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00		
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00		
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00		
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00		
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00		
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00		
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00		
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00		
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00		
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00		
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00		
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00		
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00		
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00		
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00		
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00		
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00		Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00		
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00		
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00		
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00		
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00		
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00		
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00		
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00		

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D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160510A	2 CALCIUM	10.5	11	mg/L	200.7	95	90-110	CAL	
	2 IRON	1.02	1	mg/L	200.7	102	90-110	CAL	
	2 MANGANESE	1.03	1	mg/L	200.7	103	90-110	CAL	
200.8_160510AV	0 ARSENIC	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	0 BARIUM	0.00106	0.001	mg/L	200.8	106	80-120	CAL	
	0 CADMIUM	0.00104	0.001	mg/L	200.8	104	80-120	CAL	
	0 CHROMIUM	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 COPPER	0.0011	0.001	mg/L	200.8	110	80-120	CAL	
	0 LEAD	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 SELENIUM	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 SILVER	0.00102	0.001	mg/L	200.8	102	80-120	CAL	
	0 ZINC	0.001	0.001	mg/L	200.8	100	80-120	CAL	
245.1_160509	0 MERCURY	0.00200	0.00200	mg/L	245.1	100	95-105	CAL	
	1 MERCURY	0.000198	0.000200	mg/L	245.1	99	95-105	CAL	MRL
1160504A	0 CHLORIDE	1.1	1	mg/L	300.0	110	90-110	CAL	
	0 FLUORIDE	1.03	1	mg/L	300.0	103	90-110	CAL	
	0 SULFATE	2	2	mg/L	300.0	100	90-110	CAL	
OPHOS_160504	0 ORTHO-PHOSPHATE	0.98	1.00	mg/L	SM4500-P F	98	85-115	CAL	
pH_160504	0 HYDROGEN ION (pH)	7.99	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
	0 HYDROGEN ION (pH)	8.01	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160505	0 TOTAL PHOSPHORUS	0.110	0.100	mg/L	SM4500-P F	110	85-115	CAL	
TURB_160504	0 TURBIDITY	9.86	10.0	NTU	180.1	99	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160510A	0 CALCIUM	12.20	13	mg/L	200.7	94	85-115	LFB	
	0 IRON	0.48	0.5	mg/L	200.7	96	85-115	LFB	
	0 MANGANESE	0.53	0.5	mg/L	200.7	106	85-115	LFB	
200.8_160510AV	0 ARSENIC	0.024	0.025	mg/L	200.8	96	85-115	LFB	
	0 BARIUM	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 CADMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 CHROMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 COPPER	0.028	0.025	mg/L	200.8	112	85-115	LFB	
	0 LEAD	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 SELENIUM	0.022	0.025	mg/L	200.8	88	85-115	LFB	
	0 SILVER	0.013	0.0125	mg/L	200.8	104	85-115	LFB	
	0 ZINC	0.024	0.025	mg/L	200.8	96	85-115	LFB	
245.1_160509	0 MERCURY	0.00163	0.00167	mg/L	245.1	98	90-110	LFB	
8151W_160505	0 2,4 - D	1.9	2	ug/L	8151A	95	60-120	LFB	
	0 2,4 DB	7.9	8	ug/L	8151A	99	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	1.1	1	ug/L	8151A	110	68-122	LFB	
	0 2,4,5 T	0.89	1	ug/L	8151A	89	62-128	LFB	
	0 ACIFLUORFEN	0.84	1	ug/L	8151A	84	65-125	LFB	
	0 BENTAZON	2.0	2	ug/L	8151A	100	67-121	LFB	
	0 DALAPON	13.4	13	ug/L	8151A	103	53-142	LFB	
	0 DICAMBA	1.1	1	ug/L	8151A	110	66-126	LFB	
	0 DICHLORPROP	3.1	3	ug/L	8151A	103	63-123	LFB	
	0 DINOSEB	1.6	2	ug/L	8151A	80	73-127	LFB	
	0 PENTACHLOROPHENOL	1.0	1	ug/L	8151A	100	69-123	LFB	
	0 PICLORAM	0.84	1	ug/L	8151A	84	48-114	LFB	
	0 TOTAL DCPA	0.27	1	ug/L	8151A	27	48-168	LR LFB	
	0 TRICLOPYR	1.1	1	ug/L	8151A	110	70-130	LFB	
8260W_160510	0 1,1 - DICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_160510	0 1,1 - DICHLOROETHYLENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 1,1 - DICHLOROPROPENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 1,1,1 - TRICHLOROETHANE	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 1,1,2 - TRICHLOROETHANE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 1,2 - DICHLOROBENZENE (ortho)	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 1,2 - DICHLOROETHANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 1,2 - DICHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 1,2,3 - TRICHLOROBENZENE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 1,2,3 - TRICHLOROPROPANE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 1,2,4 - TRICHLOROBENZENE	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 1,2,4 - TRIMETHYLBENZENE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 1,3 - DICHLOROBENZENE (meta)	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 1,3 - DICHLOROPROPANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 1,3,5 - TRIMETHYLBENZENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 1,4 - DICHLOROBENZENE (para)	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 2,2 - DICHLOROPROPANE	3.8	4	ug/L	8260B	95	80-120	LE	LFB	
	0 BENZENE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 BROMOBENZENE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 BROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 BROMODICHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 BROMOFORM	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 BROMOMETHANE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 CARBON TETRACHLORIDE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 CHLOROBENZENE	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 CHLOROETHANE	4.8	4	ug/L	8260B	120	80-120		LFB	
	0 CHLOROFORM	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 CHLOROMETHANE	3.2	4	ug/L	8260B	80	80-120		LFB	
	0 CIS - 1,2 - DICHLOROETHENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	3.9	4	ug/L	8260B	98	80-120		LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_160510	0 DIBROMOCHLOROMETHANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 DIBROMOMETHANE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 DICHLORODIFLUOROMETHANE	4.6	4	ug/L	8260B	115	80-120		LFB	
	0 ETHYLBENZENE	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 HEXACHLOROBUTADIENE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 ISOPROPYLBENZENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 M,P- XYLENE	7.8	8	ug/L	8260B	98	80-120		LFB	
	0 METHYL TERT-BUTYL ETHER	3.5	4	ug/L	8260B	88	80-120	LE	LFB	
	0 METHYLENE CHLORIDE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 N - BUTYLBENZENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 N - PROPYLBENZENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 NAPHTHALENE	3.5	4	ug/L	8260B	88	80-120		LFB	
	0 O - CHLOROTOLUENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 O - XYLENE	3.8	4	ug/L	8260B	95	80-120		LFB	
	0 P - CHLOROTOLUENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 P - ISOPROPYLTOLUENE	3.7	4	ug/L	8260B	93	80-120		LFB	
	0 SEC - BUTYLBENZENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 STYRENE	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 TERT - BUTYLBENZENE	3.9	4	ug/L	8260B	98	80-120		LFB	
	0 TETRACHLOROETHYLENE	4.3	4	ug/L	8260B	108	80-120		LFB	
	0 TOLUENE	4.2	4	ug/L	8260B	105	80-120		LFB	
	0 TRANS - 1,2 - DICHLOROETHENE	4.0	4	ug/L	8260B	100	80-120		LFB	
	0 TRANS - 1,3 - DICHLOROPROPENE	3.6	4	ug/L	8260B	90	80-120		LFB	
	0 TRICHLOROETHENE	4.1	4	ug/L	8260B	103	80-120		LFB	
	0 TRICHLOROFLUOROMETHANE	4.4	4	ug/L	8260B	110	80-120		LFB	
0 VINYL CHLORIDE	4.8	4	ug/L	8260B	120	80-120	AH	LFB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160510A	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
	0 IRON	ND		mg/L	200.7		0-0	LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_160510AV	0 ARSENIC	ND		mg/L	200.8		0-0	LRB	
	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
I160504A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
OPHOS_160504	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160505	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160510A	0 CALCIUM	ND		mg/L	200.7		0-0	MB	
	0 IRON	ND		mg/L	200.7		0-0	MB	
	0 MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_160510AV	0 ARSENIC	ND		mg/L	200.8		0-0	MB	
	0 BARIUM	ND		mg/L	200.8		0-0	MB	
	0 CADMIUM	ND		mg/L	200.8		0-0	MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	MB	
	0 COPPER	ND		mg/L	200.8		0-0	MB	
	0 LEAD	ND		mg/L	200.8		0-0	MB	
	0 SELENIUM	ND		mg/L	200.8		0-0	MB	
	0 SILVER	ND		mg/L	200.8		0-0	MB	
	0 ZINC	ND		mg/L	200.8		0-0	MB	
245.1_160509	0 MERCURY	ND		mg/L	245.1		0-0	MB	
8151W_160505	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0	MB	
	8260W_160510	0 1,1 - DICHLOROETHANE	ND		ug/L	8260B		0-0	MB

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160510	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 BENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 BROMOBENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 BROMOCHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 BROMODICHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 BROMOFORM	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 BROMOMETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CARBON TETRACHLORIDE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CHLOROBENZENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CHLOROETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CHLOROFORM	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CHLOROMETHANE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B	0-0		MB	TB 16-09951
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B	0-0		MB	TB 16-09951

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160510	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 DIBROMOMETHANE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 ETHYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 ISOPROPYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 M,P- XYLENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 METHYLENE CHLORIDE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 N - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 N - PROPYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 NAPHTHALENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 O - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 O - XYLENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 P - CHLOROTOLUENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 SEC - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 STYRENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 TERT - BUTYLBENZENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
	0 TETRACHLOROETHYLENE	ND		ug/L	8260B		0-0	MB	TB 16-09951
0 TOLUENE	ND		ug/L	8260B		0-0	MB	TB 16-09951	
0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260B		0-0	MB	TB 16-09951	
0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260B		0-0	MB	TB 16-09951	
0 TRICHLOROETHENE	ND		ug/L	8260B		0-0	MB	TB 16-09951	
0 TRICHLOROFLUOROMETHANE	ND		ug/L	8260B		0-0	MB	TB 16-09951	
0 VINYL CHLORIDE	ND		ug/L	8260B		0-0	MB	TB 16-09951	
OPHOS_160504	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	MB	
TDS_160506	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
TPHOS_160505	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



**SAMPLE INDEPENDENT
QUALITY CONTROL REPORT**

Method Blank

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
TURB_160504	0 TURBIDITY	ND		NTU	180.1		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-09951**

Report Date: 05/24/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160510A	0 CALCIUM	2	2	mg/L	200.7	100	95-105	QCS	
	0 IRON	2.08	2	mg/L	200.7	104	95-105	QCS	
	0 MANGANESE	2.07	2	mg/L	200.7	104	95-105	QCS	
	1 CALCIUM	19.5	20	mg/L	200.7	98	95-105	QCS	
200.8_160510AV	0 ARSENIC	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 BARIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CADMIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CHROMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 COPPER	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 LEAD	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SELENIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 SILVER	0.020	0.020	mg/L	200.8	100	90-110	QCS	
	0 ZINC	0.040	0.040	mg/L	200.8	100	90-110	QCS	
245.1_160509	0 MERCURY	0.00269	0.00265	mg/L	245.1	102	90-110	QCS	
COLOR_160504	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
I160504A	0 CHLORIDE	5.9	6	mg/L	300.0	98	90-110	QCS	
	0 FLUORIDE	4.03	4	mg/L	300.0	101	90-110	QCS	
	0 SULFATE	30.7	30	mg/L	300.0	102	90-110	QCS	
OPHOS_160504	0 ORTHO-PHOSPHATE	0.47	0.50	mg/L	SM4500-P F	94	90-110	QCS	
TDS_160506	0 TOTAL DISSOLVED SOLIDS (TDS)	498	500	mg/L	SM2540 C	100	80-120	QCS	
TPHOS_160505	0 TOTAL PHOSPHORUS	0.037	0.036	mg/L	SM4500-P F	103	90-110	QCS	
TURB_160504	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



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

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC	
			Result	Result				Qualifier	Type
Duplicate									
200.7_160510A									
	22667	IRON	0.48	0.49	mg/L	2.1	0-20		DUP
	22667	MANGANESE	0.0268	0.0265	mg/L	1.1	0-20		DUP
	22667	CALCIUM	27.4	27.3	mg/L	0.4	0-20		DUP
200.8_160510AWW									
	22168	ARSENIC	0.0037	0.0037	mg/L	0.0	0-20		DUP
	22168	CADMIUM	0.00085	0.00098	mg/L	14.2	0-20		DUP
	22168	CHROMIUM	0.007	0.007	mg/L	0.0	0-20		DUP
	22168	COPPER	0.020	0.020	mg/L	0.0	0-20		DUP
	22168	LEAD	0.096	0.099	mg/L	3.1	0-20		DUP
	22168	SELENIUM	nd	ND	mg/L	NA	0-20		DUP
	22168	SILVER	0.0001	0.0001	mg/L	0.0	0-20		DUP
	22168	ZINC	0.451	0.461	mg/L	2.2	0-20		DUP
	22670	ARSENIC	0.0035	0.0035	mg/L	0.0	0-20		DUP
	22670	BARIUM	0.035	0.035	mg/L	0.0	0-20		DUP
	22670	CADMIUM	ND	ND	mg/L	NA	0-20		DUP
	22670	CHROMIUM	0.0002	0.0003	mg/L	40.0	0-20	IEV	DUP
	22670	COPPER	0.0015	0.0011	mg/L	30.8	0-20	IEV	DUP
	22670	LEAD	ND	ND	mg/L	NA	0-20		DUP
	22670	SELENIUM	0.0004	0.0003	mg/L	28.6	0-20	IEV	DUP
	22670	SILVER	ND	ND	mg/L	NA	0-20		DUP
	22670	ZINC	0.0016	0.0003	mg/L	136.8	0-20	IEV	DUP
245.1_160509									
	22042	MERCURY	ND	ND	mg/L	NA	0-20		DUP
	22693	MERCURY	ND	ND	mg/L	NA	0-20		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
	23216	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
310.2_160505										
	22668	BICARBONATE	194	195	mg CaCO3/l	0.5	0-20		DUP	
8081B_160505										
	22666	4,4' - DDD	ND	ND	ug/L	NA	0-40		DUP	
	22666	4,4' - DDE	ND	ND	ug/L	NA	0-40		DUP	
	22666	4,4' - DDT	ND	ND	ug/L	NA	0-40		DUP	
	22666	ALDRIN	ND	ND	ug/L	NA	0-40		DUP	
	22666	ALPHA-CHLORDANE	ND	ND	ug/L	NA	0-40		DUP	
	22666	BHC, ALPHA -	ND	ND	ug/L	NA	0-40		DUP	
	22666	BHC, BETA -	ND	ND	ug/L	NA	0-40		DUP	
	22666	BHC, DELTA -	ND	ND	ug/L	NA	0-40		DUP	
	22666	DIELDRIN	ND	ND	ug/L	NA	0-40		DUP	
	22666	ENDOSULFAN I	ND	ND	ug/L	NA	0-40		DUP	
	22666	ENDOSULFAN II	ND	ND	ug/L	NA	0-40		DUP	
	22666	ENDOSULFAN SULFATE	ND	ND	ug/L	NA	0-40		DUP	
	22666	ENDRIN	ND	ND	ug/L	NA	0-40		DUP	
	22666	ENDRIN ALDEHYDE	ND	ND	ug/L	NA	0-40		DUP	
	22666	ENDRIN KETONE	ND	ND	ug/L	NA	0-40		DUP	
	22666	GAMMA-CHLORDANE	ND	ND	ug/L	NA	0-40		DUP	
	22666	HEPTACHLOR	ND	ND	ug/L	NA	0-40		DUP	
	22666	HEPTACHLOR EPOXIDE "B"	ND	ND	ug/L	NA	0-40		DUP	
	22666	LINDANE (BHC - GAMMA)	ND	ND	ug/L	NA	0-40		DUP	
	22666	METHOXYCHLOR	ND	ND	ug/L	NA	0-40		DUP	
	22666	TOXAPHENE	ND	ND	ug/L	NA	0-40		DUP	
8151W_160505										
	22666	2,4 - D	ND	ND	ug/L	NA	0-35		DUP	
	22666	2,4 DB	ND	ND	ug/L	NA	0-35		DUP	
	22666	2,4,5 - TP (SILVEX)	ND	ND	ug/L	NA	0-35		DUP	
	22666	2,4,5 T	ND	ND	ug/L	NA	0-35		DUP	
	22666	3,5 - DICHLOROBENZOIC ACID	ND	ND	ug/L	NA	0-35		DUP	
	22666	ACIFLUORFEN	ND	ND	ug/L	NA	0-35		DUP	
	22666	BENTAZON	ND	ND	ug/L	NA	0-35		DUP	
	22666	DALAPON	ND	ND	ug/L	NA	0-35		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Duplicate		Units	%RPD	Limits	QC		
			Result	Result				Qualifier	Type	Comments
	22666	DICAMBA	ND	ND	ug/L	NA	0-35		DUP	
	22666	DICHLORPROP	ND	ND	ug/L	NA	0-35		DUP	
	22666	DINOSEB	ND	ND	ug/L	NA	0-35		DUP	
	22666	PENTACHLOROPHENOL	ND	ND	ug/L	NA	0-35		DUP	
	22666	PICLORAM	ND	ND	ug/L	NA	0-35		DUP	
	22666	TOTAL DCPA	ND	ND	ug/L	NA	0-35		DUP	
	22666	TRICLOPYR	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160504										
	22294	COLOR	ND	ND	Color Units	NA	0-20		DUP	
I160504A										
	22585	CHLORIDE	2.1	2.1	mg/L	0.0	0-20		DUP	
	22585	FLUORIDE	0.25	0.25	mg/L	0.0	0-20		DUP	
	22622	FLUORIDE	0.69	0.70	mg/L	1.4	0-20		DUP	
	22861	CHLORIDE	4.2	4.2	mg/L	0.0	0-20		DUP	
	22861	FLUORIDE	ND	ND	mg/L	NA	0-20		DUP	
	22861	SULFATE	4.6	4.6	mg/L	0.0	0-20		DUP	
NO3NO2_160504										
	22666	NITRATE-N	0.77	0.78	mg/L	1.3	0-20		DUP	
OPHOS_160504										
	22529	ORTHO-PHOSPHATE	0.17	0.17	mg/L	0.0	0-20		DUP	
	22651	ORTHO-PHOSPHATE	32.6	34.8	mg/L	6.5	0-20		DUP	
	22666	ORTHO-PHOSPHATE	0.11	0.11	mg/L	0.0	0-20		DUP	
PH_160504										
	22666	HYDROGEN ION (pH)	7.28	7.32	pH Units	0.5	0-45		DUP	
	23001	HYDROGEN ION (pH)	6.99	7.05	pH Units	0.9	0-45		DUP	
TDS_160506										
	23160	TOTAL DISSOLVED SOLIDS (TDS)	153	158	mg/L	3.2	0-10		DUP	
	23270	TOTAL DISSOLVED SOLIDS (TDS)	544	542	mg/L	0.4	0-10		DUP	
TPHOS_160505										
	22666	TOTAL PHOSPHORUS	0.139	0.135	mg/L	2.9	0-20		DUP	
	23005	TOTAL PHOSPHORUS	0.074	0.075	mg/L	1.3	0-20		DUP	
TURB_160504										
	22294	TURBIDITY	0.54	0.56	NTU	3.6	0-20		DUP	
	22861	TURBIDITY	ND	ND	NTU	NA	0-20		DUP	

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FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC		Comments
				Result					Qualifier	Type	

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7_160510A															
	22667	IRON	0.48	0.93		0.5	mg/L	90		70-130	NA	0-20			LFM
	22667	MANGANESE	0.0268	0.51		0.5	mg/L	97		70-130	NA	0-20			LFM
	22667	CALCIUM	27.4	38.0		13	mg/L	82		70-130	NA	0-20			LFM
200.8_160510AWW															
	22168	ARSENIC	0.0037	0.0272		0.025	mg/L	94		70-130	NA	0-20			LFM
	22168	CADMIUM	0.00085	0.0253		0.025	mg/L	98		70-130	NA	0-20			LFM
	22168	CHROMIUM	0.007	0.032		0.025	mg/L	100		70-130	NA	0-20			LFM
	22168	COPPER	0.020	0.045		0.025	mg/L	100		70-130	NA	0-20			LFM
	22168	LEAD	0.096	0.119		0.025	mg/L	92		70-130	NA	0-20			LFM
	22168	SELENIUM	ND	0.022		0.025	mg/L	88		70-130	NA	0-20			LFM
	22168	SILVER	0.0001	0.0129		0.0125	mg/L	102		70-130	NA	0-20			LFM
	22168	ZINC	0.451	0.459		0.025	mg/L	32		70-130	NA	0-20	IS		LFM
	22670	ARSENIC	0.0035	0.0285		0.025	mg/L	100		70-130	NA	0-20			LFM
	22670	BARIUM	0.035	0.059		0.025	mg/L	96		70-130	NA	0-20			LFM
	22670	CADMIUM	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	22670	CHROMIUM	0.0002	0.0256		0.025	mg/L	102		70-130	NA	0-20			LFM
	22670	COPPER	0.0015	0.028		0.025	mg/L	106		70-130	NA	0-20			LFM
	22670	LEAD	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	22670	SELENIUM	0.0004	0.023		0.025	mg/L	90		70-130	NA	0-20			LFM
	22670	SILVER	ND	0.013		0.0125	mg/L	104		70-130	NA	0-20			LFM
	22670	ZINC	0.0016	0.024		0.025	mg/L	90		70-130	NA	0-20			LFM
245.1_160509															
	22042	MERCURY	ND	0.00163	0.00164	0.00167	mg/L	98	98	70-130	0.6	0-20			LFM
	22693	MERCURY	ND	0.00166	0.00167	0.00167	mg/L	99	100	70-130	0.6	0-20			LFM
	23216	MERCURY	ND	0.00162	0.00161	0.00167	mg/L	97	96	70-130	0.6	0-20			LFM
310.2_160505															
	22668	BICARBONATE	194	413	416	250	mg CaCO3/88	89		70-130	1.4	0-20			LFM
8151W_160505															
	22667	2,4 - D	ND	1.9		2	ug/L	95	NA	60-120	NA	0-20			LFM
	22667	2,4 DB	ND	7.7		8	ug/L	96	NA	49-134	NA	0-20			LFM
	22667	2,4,5 - TP (SILVEX)	ND	1.0		1	ug/L	100	NA	68-122	NA	0-20			LFM
	22667	2,4,5 T	ND	0.94		1	ug/L	94	NA	62-128	NA	0-20			LFM

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Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22667	ACIFLUORFEN	ND	0.94		1	ug/L	94	NA	65-125	NA	0-20			LFM
	22667	BENTAZON	ND	1.9		2	ug/L	95	NA	67-121	NA	0-20			LFM
	22667	DALAPON	ND	13.5		13	ug/L	104	NA	53-421	NA	0-20			LFM
	22667	DICAMBA	ND	0.99		1	ug/L	99	NA	66-126	NA	0-20			LFM
	22667	DICHLORPROP	ND	3.0		3	ug/L	100	NA	63-123	NA	0-20			LFM
	22667	DINOSEB	ND	1.9		2	ug/L	95	NA	73-127	NA	0-20			LFM
	22667	PENTACHLOROPHENOL	ND	0.98		1	ug/L	98	NA	69-123	NA	0-20			LFM
	22667	PICLORAM	ND	0.91		1	ug/L	91	NA	48-114	NA	0-20			LFM
	22667	TOTAL DCPA	ND	0.6		1	ug/L	60	NA	48-168	NA	0-20			LFM
	22667	TRICLOPYR	ND	1.0		1	ug/L	100	NA	70-130	NA	0-20			LFM
8260W_160510															
	22669	1,1 - DICHLOROETHANE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	22669	1,1 - DICHLOROETHYLENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	22669	1,1 - DICHLOROPROPENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	22669	1,1,1 - TRICHLOROETHANE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20			LFM
	22669	1,1,1,2 - TETRACHLOROETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	22669	1,1,2 - TRICHLOROETHANE	ND	3.8		4	ug/L	95	NA	70-130	NA	0-20			LFM
	22669	1,1,2,2 - TETRACHLOROETHANE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22669	1,2 - DICHLOROBENZENE (ortho)	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22669	1,2 - DICHLOROETHANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20			LFM
	22669	1,2 - DICHLOROPROPANE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20			LFM
	22669	1,2,3 - TRICHLOROBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22669	1,2,3 - TRICHLOROPROPANE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22669	1,2,4 - TRICHLOROBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22669	1,2,4 - TRIMETHYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20			LFM
	22669	1,2-DIBROMO-3-CHLOROPROPANE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20			LFM
	22669	1,3 - DICHLOROBENZENE (meta)	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22669	1,3 - DICHLOROPROPANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20			LFM
	22669	1,3,5 - TRIMETHYLBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22669	1,4 - DICHLOROBENZENE (para)	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20			LFM
	22669	2,2 - DICHLOROPROPANE	ND	2.9		4	ug/L	73	NA	70-130	NA	0-20			LFM
	22669	BENZENE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20			LFM
	22669	BROMOBENZENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20			LFM
	22669	BROMOCHLOROMETHANE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20			LFM

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Batch	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22669	BROMODICHLOROMETHANE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20		LFM	
	22669	BROMOFORM	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22669	BROMOMETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20		LFM	
	22669	CARBON TETRACHLORIDE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	CHLOROETHANE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22669	CHLOROETHANE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20		LFM	
	22669	CHLOROFORM	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20		LFM	
	22669	CHLOROMETHANE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20		LFM	
	22669	CIS - 1,2 - DICHLOROETHENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22669	CIS - 1,3 - DICHLOROPROPENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22669	DIBROMOCHLOROMETHANE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20		LFM	
	22669	DIBROMOMETHANE	ND	3.9		4	ug/L	98	NA	70-130	NA	0-20		LFM	
	22669	DICHLORODIFLUOROMETHANE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20		LFM	
	22669	ETHYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	HEXACHLOROBUTADIENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	ISOPROPYLBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20		LFM	
	22669	M,P- XYLENE	ND	6.5		8	ug/L	81	NA	70-130	NA	0-20		LFM	
	22669	METHYL TERT-BUTYL ETHER	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20		LFM	
	22669	METHYLENE CHLORIDE	ND	3.7		4	ug/L	93	NA	70-130	NA	0-20		LFM	
	22669	N - BUTYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	N - PROPYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	NAPHTHALENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	O - CHLOROTOLUENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22669	O - XYLENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	P - CHLOROTOLUENE	ND	3.2		4	ug/L	80	NA	70-130	NA	0-20		LFM	
	22669	P - ISOPROPYLTOLUENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20		LFM	
	22669	SEC - BUTYLBENZENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	STYRENE	ND	3.1		4	ug/L	78	NA	70-130	NA	0-20		LFM	
	22669	TERT - BUTYLBENZENE	ND	3.0		4	ug/L	75	NA	70-130	NA	0-20		LFM	
	22669	TETRACHLOROETHYLENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22669	TOLUENE	ND	3.6		4	ug/L	90	NA	70-130	NA	0-20		LFM	
	22669	TRANS - 1,2 - DICHLOROETHENE	ND	3.3		4	ug/L	83	NA	70-130	NA	0-20		LFM	
	22669	TRANS - 1,3 - DICHLOROPROPENE	ND	3.4		4	ug/L	85	NA	70-130	NA	0-20		LFM	
	22669	TRICHLOROETHENE	ND	3.5		4	ug/L	88	NA	70-130	NA	0-20		LFM	

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				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	22669	TRICHLOROFUOROMETHANE	ND	2.9		4	ug/L	73	NA	70-130	NA	0-20			LFM
	22669	VINYL CHLORIDE	ND	4.9		4	ug/L	123	NA	70-130	NA	0-20			LFM
I160504A															
	22585	CHLORIDE	2.1	3.1		1	mg/L	100	NA	90-110	NA	0-20			LFM
	22585	FLUORIDE	0.25	1.28		1	mg/L	103	NA	90-110	NA	0-20			LFM
	22622	FLUORIDE	0.69	1.72		1	mg/L	103	NA	90-110	NA	0-20			LFM
	22861	CHLORIDE	4.2	5.1		1	mg/L	90	NA	90-110	NA	0-20			LFM
	22861	FLUORIDE	ND	1.09		1	mg/L	109	NA	90-110	NA	0-20			LFM
	22861	SULFATE	4.6	6.4		2	mg/L	90	NA	90-110	NA	0-20			LFM
NO3NO2_160504															
	22666	NITRATE-N	0.77	1.30	1.29	0.5	mg/L	106	104	80-120	1.9	0-20			LFM
OPHOS_160504															
	22529	ORTHO-PHOSPHATE	0.17	1.10	1.13	1.00	mg/L	93	96	70-130	3.2	0-20			LFM
	22666	ORTHO-PHOSPHATE	0.11	1.04	1.06	1.00	mg/L	93	95	70-130	2.1	0-20			LFM
TPHOS_160505															
	22666	TOTAL PHOSPHORUS	0.139	0.189	0.195	0.050	mg/L	100	112	70-130	11.3	0-20			LFM
	23005	TOTAL PHOSPHORUS	0.074	0.133	0.124	0.050	mg/L	118	100	70-130	16.5	0-20			LFM

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Qualifier Definitions

Reference Number: 16-09951

Report Date: 05/24/16

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
H1	Sample analysis performed past holding time.
H3	Sample was received and analyzed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

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

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

28689



ANALYTICAL
 Main Lab (800-755-9295)
 1620 South Walnut St. Burlington, WA 98233
 Microbiology (888-725-1212)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite 1W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Counc	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Check Regulatory Program	
City: Milton-Freewe St. OR Zip: 97862	City: Milton-Freewe St. OR Zip: 97862	Safe Drinking Water Act	
Attn: Steven Patten	Phone:	Clean Water Act	
Phone: 541-938-2170 FAX:	P.O.#:	RCRA / CERCLA	
Email: steven.patten@wwbwc.org	Attn:	Other	
Project: Aquifer Recharge Water and Soil 2016	Card#:		

Analyses Requested

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

Turn Around Time Required

Standard

Half-time (50% surcharge)

Quickest (100% surcharge) Phone Call Req.

Emergency (Phone Call Req.)

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	8081A - Water	8151	8260	Foaming Agents	Inorganics	Metals	Odor	SM9223B.2b (DW) Quantly-Tray (MPN)
1	STEWER Pond		SW	5-3-16	10:15	X	X	X	X	X	X	X	X
2	STEWER Pond		SW	5-3-16	10:00	X	X	X	X	X	X	X	X
3	STEWER Pond		SW	5-3-16	10:10	X	X	X	X	X	X	X	X
4	STEWER Pond		SW	5-3-16	10:20	X	X	X	X	X	X	X	X
5	STEWER Pond		SW	5-3-16	9:15	X	X	X	X	X	X	X	X
6													
7													
8													
9													
10													

16-09951
 22666 - 22670
 CO028689



Check 5/16
 DARR
 BAKER

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

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

Relinquished by: _____ Date: 5-3-16 Time: 12:00 Received by: UPS Date: 5-4-16 Time: 0940

Custody seals intact Yes No N/A

Sample temp 25C satisfactory Yes No N/A

Samples received intact Yes No N/A

Chain of custody & labels agree Yes No N/A

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

28689



ANALYTICAL
 Main Lab (800-755-9295)
 1520 South Wahut St. Burlington, WA 98233
 Microbiology (888-725-4121)
 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
 Wilsonville Lab (503-682-7802)
 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
 Corvallis Lab (541-753-4946)
 540 SW 3rd St. Corvallis, OR 97333

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

Bill to: Walla Walla Basin Watershed Counc
 Address: 810 South Main Street
 City: Milton-Freewe St. OR Zip: 97862
 Phone: FAX:
 P.O.#: Attn:
 Visa M/C A/E Expires /
 Card#:

Ref #
For Lab Use Only
 Check Regulator Program
 Safe Drinking Water Act
 Clean Water Act
 RCRA / CERCLA
 Other

Project: Aquifer Recharge Water and Soil 2016

Instructions

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

Turn Around Time Required

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

Analyses Requested

Field ID	Location	Grab/Comp.	Sample Matrix *	Date	Time	Analyses Requested		Number of Containers	Special Instructions Conditions on Receipt
						T Phos (Particulate)	TRIP BLANK (8260)		
1	STRUER Pond	G	SW	5-3-16	10:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	STRUER Pond	G	GW	5-3-16	10:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		CHECK 13
3	STRUER Pond	G	GW	5-3-16	10:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		CHECK 13
4	STRUER Pond	G	GW	5-3-16	10:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		CHECK 13
5	STRUER Pond	G	GW	5-3-16	9:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		CHECK 13
6						<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>		

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

Email: steven.patten@wwbwc.org

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

SW - surface water GW - Ground water WW - waste water OL - oil S - soil Other

Relinquished by: Date: Time: Received by: Date: Time:

Custody seals intact Yes No N/A
 Sample temp 2.5 C satisfactory
 Samples received intact
 Chain of custody & labels agree



May 26, 2016

Vista Work Order No. 1600562

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

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 04, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'Stiller Pond'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1600562

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1668C

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

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected at 9.19 pg/L in the Method Blank. No other analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1600562-01	Mill Creek	03-May-16 10:45	04-May-16 10:04	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600562-02	GW_136	03-May-16 10:00	04-May-16 10:04	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600562-03	GW_145	03-May-16 10:50	04-May-16 10:04	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600562-04	GW_146	03-May-16 10:20	04-May-16 10:04	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600562-05	GW_147	03-May-16 09:15	04-May-16 10:04	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6E0061	Lab Sample: B6E0061-BLK1
Sample Size: 1.00 L	Date Extracted: 12-May-2016 8:50	Date Analyzed: 12-May-16 19:17 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.39			PCB-44	ND	0.830		
PCB-2	ND	1.52			PCB-45	ND	0.717		
PCB-3	ND	1.52			PCB-46	ND	0.786		
PCB-4/10	ND	1.04			PCB-47	3.75			J
PCB-5/8	ND	1.45			PCB-48/75	ND	0.545		
PCB-6	ND	1.48			PCB-50	ND	0.721		
PCB-7/9	ND	1.79			PCB-51	ND		1.09	
PCB-11	9.19				PCB-52/69	0.913			J
PCB-12/13	ND	1.45			PCB-53	ND	0.656		
PCB-14	ND	1.25			PCB-54	ND	0.548		
PCB-15	ND	1.27			PCB-55	ND	0.448		
PCB-16/32	0.969			J	PCB-56/60	ND	0.498		
PCB-17	ND	0.812			PCB-57	ND	0.523		
PCB-18	ND	0.769			PCB-58	ND	0.515		
PCB-19	ND	0.990			PCB-61/70	ND		0.557	
PCB-20/21/33	ND	0.424			PCB-62	ND	0.532		
PCB-22	ND	0.429			PCB-63	ND	0.503		
PCB-23	ND	0.413			PCB-65	ND	0.549		
PCB-24/27	ND	0.598			PCB-66/76	0.418			J
PCB-25	ND	0.455			PCB-67	ND	0.536		
PCB-26	ND	0.404			PCB-68	ND		0.785	
PCB-28	ND		0.765		PCB-73	ND	0.529		
PCB-29	ND	0.413			PCB-74	ND	0.483		
PCB-30	ND	0.626			PCB-77	ND	0.478		
PCB-31	0.884			J	PCB-78	ND	0.501		
PCB-34	ND	0.384			PCB-79	ND	0.475		
PCB-35	ND	0.388			PCB-80	ND	0.416		
PCB-36	ND	0.375			PCB-81	ND	0.457		
PCB-37	ND	0.361			PCB-82	ND	2.12		
PCB-38	ND	0.393			PCB-83	ND	1.30		
PCB-39	ND	0.387			PCB-84/92	ND	1.73		
PCB-40	ND	0.843			PCB-85/116	ND	1.55		
PCB-41/64/71/72	0.674			J	PCB-86	ND	2.09		
PCB-42/59	ND	0.585			PCB-87/117/125	ND	1.36		
PCB-43/49	ND	0.655			PCB-88/91	ND	1.79		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6E0061	Lab Sample: B6E0061-BLK1
Sample Size: 1.00 L	Date Extracted: 12-May-2016 8:50	Date Analyzed: 12-May-16 19:17 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.87			PCB-136	ND	1.56		
PCB-90/101	ND	1.54			PCB-137	ND	0.644		
PCB-93	ND	1.89			PCB-138/163/164	0.784			J
PCB-94	ND	1.78			PCB-139/149	1.27			J
PCB-95/98/102	ND	1.56			PCB-140	ND	2.29		
PCB-96	ND	1.26			PCB-141	ND	0.656		
PCB-97	ND	1.67			PCB-144	ND	2.08		
PCB-99	ND	1.49			PCB-145	ND	1.63		
PCB-100	ND	1.43			PCB-146/165	ND	0.604		
PCB-103	ND	1.43			PCB-147	ND	2.29		
PCB-104	ND	1.09			PCB-148	ND	2.18		
PCB-105	ND	0.456			PCB-150	ND	1.58		
PCB-106/118	ND	1.16			PCB-151	ND	2.18		
PCB-107/109	ND	1.18			PCB-152	ND	1.52		
PCB-108/112	ND	1.54			PCB-153	0.685			J
PCB-110	0.752			J	PCB-154	ND	2.00		
PCB-111/115	ND	1.17			PCB-155	ND	1.49		
PCB-113	ND	1.39			PCB-156	ND	0.444		
PCB-114	ND	0.501			PCB-157	ND	0.467		
PCB-119	ND	1.15			PCB-158/160	ND	0.477		
PCB-120	ND	1.09			PCB-159	ND	0.467		
PCB-121	ND	1.14			PCB-166	ND	0.500		
PCB-122	ND	0.597			PCB-167	ND	0.476		
PCB-123	ND	1.26			PCB-168	ND	0.481		
PCB-124	ND	1.21			PCB-169	ND	0.517		
PCB-126	ND	0.509			PCB-170	ND	0.576		
PCB-127	ND	0.537			PCB-171	ND	0.550		
PCB-128/162	ND	0.552			PCB-172	ND	0.591		
PCB-129	ND	0.712			PCB-173	ND	0.725		
PCB-130	ND	0.825			PCB-174	ND	0.621		
PCB-131	ND	0.772			PCB-175	ND	0.690		
PCB-132/161	ND	0.584			PCB-176	ND	0.496		
PCB-133/142	ND	0.718			PCB-177	ND	0.632		
PCB-134/143	ND	0.701			PCB-178	ND	0.672		
PCB-135	ND	2.24			PCB-179	ND	0.519		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6E0061	Lab Sample: B6E0061-BLK1
Sample Size: 1.00 L	Date Extracted: 12-May-2016 8:50	Date Analyzed: 12-May-16 19:17 Column: ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.897			Total octaCB	ND		0.500	
PCB-181	ND	0.593			Total nonaCB	ND		0.454	
PCB-182/187	ND	0.929			DecaCB	ND		0.679	
PCB-183	ND	0.591			Total PCB	20.3			
PCB-184	ND	0.540							
PCB-185	ND	0.570							
PCB-186	ND	0.496							
PCB-188	ND	0.475							
PCB-189	ND	0.380							
PCB-190	ND	0.428							
PCB-191	ND	0.430							
PCB-192	ND	0.461							
PCB-193	ND	0.432							
PCB-194	ND		0.500						
PCB-195	ND	0.426							
PCB-196/203	ND	1.26							
PCB-197	ND	0.895							
PCB-198	ND	1.38							
PCB-199	ND	1.41							
PCB-200	ND	1.01							
PCB-201	ND	0.952							
PCB-202	ND	1.02							
PCB-204	ND	0.972							
PCB-205	ND	0.302							
PCB-206	ND	0.454							
PCB-207	ND	0.289							
PCB-208	ND	0.293							
PCB-209	ND	0.679							
Total monoCB	ND	1.52							
Total diCB	9.19								
Total triCB	1.85		2.62						
Total tetraCB	5.75		8.19						
Total pentaCB	0.752								
Total hexaCB	2.74								
Total heptaCB	ND	0.929							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6E0061	Lab Sample: B6E0061-BLK1
Sample Size: 1.00 L	Date Extracted: 12-May-2016 8:50	Date Analyzed: 12-May-16 19:17 Column: ZB-1 Analyst: MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	55.9	5 - 145		13C-PCB-157	79.8	10 - 145	
13C-PCB-3	56.1	5 - 145		13C-PCB-159	80.1	10 - 145	
13C-PCB-4	63.2	5 - 145		13C-PCB-167	81.7	10 - 145	
13C-PCB-11	71.0	5 - 145		13C-PCB-169	82.7	10 - 145	
13C-PCB-9	64.4	5 - 145		13C-PCB-170	66.4	10 - 145	
13C-PCB-19	65.0	5 - 145		13C-PCB-180	65.7	10 - 145	
13C-PCB-28	62.6	5 - 145		13C-PCB-188	54.1	10 - 145	
13C-PCB-32	69.1	5 - 145		13C-PCB-189	69.2	10 - 145	
13C-PCB-37	85.3	5 - 145		13C-PCB-194	75.0	10 - 145	
13C-PCB-47	75.0	5 - 145		13C-PCB-202	47.1	10 - 145	
13C-PCB-52	76.9	5 - 145		13C-PCB-206	71.7	10 - 145	
13C-PCB-54	65.4	5 - 145		13C-PCB-208	65.3	10 - 145	
13C-PCB-70	74.9	5 - 145		13C-PCB-209	69.5	10 - 145	
13C-PCB-77	78.1	10 - 145		CRS 13C-PCB-79	85.4	10 - 145	
13C-PCB-80	75.8	10 - 145		13C-PCB-178	73.9	10 - 145	
13C-PCB-81	77.1	10 - 145					
13C-PCB-95	73.5	10 - 145					
13C-PCB-97	75.5	10 - 145					
13C-PCB-101	75.1	10 - 145					
13C-PCB-104	77.0	10 - 145					
13C-PCB-105	90.1	10 - 145					
13C-PCB-114	83.8	10 - 145					
13C-PCB-118	77.6	10 - 145					
13C-PCB-123	78.5	10 - 145					
13C-PCB-126	98.5	10 - 145					
13C-PCB-127	91.4	10 - 145					
13C-PCB-138	77.4	10 - 145					
13C-PCB-141	74.7	10 - 145					
13C-PCB-153	71.9	10 - 145					
13C-PCB-155	43.8	10 - 145					
13C-PCB-156	82.5	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6E0061
Date Extracted: 12-May-2016 8:50

Lab Sample: B6E0061-BS1
Date Analyzed: 12-May-16 17:06 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	796	1000	79.6	60 - 135	IS 13C-PCB-1	58.0	15 - 145
PCB-3	813	1000	81.3	60 - 135	IS 13C-PCB-3	58.4	15 - 145
PCB-4/10	1650	2000	82.7	60 - 135	IS 13C-PCB-4	68.6	15 - 145
PCB-15	862	1000	86.2	60 - 135	IS 13C-PCB-11	78.5	15 - 145
PCB-19	966	1000	96.6	60 - 135	IS 13C-PCB-9	71.4	15 - 145
PCB-37	918	1000	91.8	60 - 135	IS 13C-PCB-19	71.1	15 - 145
PCB-54	976	1000	97.6	60 - 135	IS 13C-PCB-28	84.9	15 - 145
PCB-77	887	1000	88.7	60 - 135	IS 13C-PCB-32	75.3	15 - 145
PCB-81	895	1000	89.5	60 - 135	IS 13C-PCB-37	103	15 - 145
PCB-104	1020	1000	102	60 - 135	IS 13C-PCB-47	80.6	15 - 145
PCB-105	786	1000	78.6	60 - 135	IS 13C-PCB-52	82.4	15 - 145
PCB-106/118	2010	2000	101	60 - 135	IS 13C-PCB-54	68.9	15 - 145
PCB-114	828	1000	82.8	60 - 135	IS 13C-PCB-70	86.5	15 - 145
PCB-123	1040	1000	104	60 - 135	IS 13C-PCB-77	92.2	40 - 145
PCB-126	808	1000	80.8	60 - 135	IS 13C-PCB-80	86.2	40 - 145
PCB-155	1050	1000	105	60 - 135	IS 13C-PCB-81	89.7	40 - 145
PCB-156	913	1000	91.3	60 - 135	IS 13C-PCB-95	83.6	40 - 145
PCB-157	920	1000	92.0	60 - 135	IS 13C-PCB-97	87.4	40 - 145
PCB-167	916	1000	91.6	60 - 135	IS 13C-PCB-101	84.7	40 - 145
PCB-169	950	1000	95.0	60 - 135	IS 13C-PCB-104	78.0	40 - 145
PCB-188	951	1000	95.1	60 - 135	IS 13C-PCB-105	105	40 - 145
PCB-189	960	1000	96.0	60 - 135	IS 13C-PCB-114	97.2	40 - 145
PCB-202	1010	1000	101	60 - 135	IS 13C-PCB-118	89.8	40 - 145
PCB-205	898	1000	89.8	60 - 135	IS 13C-PCB-123	91.8	40 - 145
PCB-206	967	1000	96.7	60 - 135	IS 13C-PCB-126	114	40 - 145
PCB-208	984	1000	98.4	60 - 135	IS 13C-PCB-127	106	40 - 145
PCB-209	919	1000	91.9	60 - 135	IS 13C-PCB-138	90.1	40 - 145
					IS 13C-PCB-141	88.4	40 - 145
					IS 13C-PCB-153	85.8	40 - 145
					IS 13C-PCB-155	50.3	40 - 145
					IS 13C-PCB-156	92.9	40 - 145
					IS 13C-PCB-157	90.2	40 - 145
					IS 13C-PCB-159	91.8	40 - 145
					IS 13C-PCB-167	93.6	40 - 145
					IS 13C-PCB-169	92.1	40 - 145
					IS 13C-PCB-170	77.2	40 - 145
					IS 13C-PCB-180	77.1	40 - 145
					IS 13C-PCB-188	65.7	40 - 145
					IS 13C-PCB-189	73.8	40 - 145
					IS 13C-PCB-194	89.4	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6E0061
Date Extracted: 12-May-2016 8:50

Lab Sample: B6E0061-BS1
Date Analyzed: 12-May-16 17:06 Column: ZB-1 Analyst: MAS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	56.1	40 - 145
					IS 13C-PCB-206	86.1	40 - 145
					IS 13C-PCB-208	78.0	40 - 145
					IS 13C-PCB-209	84.2	40 - 145
					CRS 13C-PCB-79	97.2	40 - 145
					CRS 13C-PCB-178	82.6	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-01
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:45			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 21:27
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.23			PCB-44	ND		1.86	
PCB-2	ND	1.28			PCB-45	0.556			J
PCB-3	6.45				PCB-46	ND	0.941		
PCB-4/10	ND	2.36			PCB-47	5.15			B
PCB-5/8	ND	1.95			PCB-48/75	ND	0.621		
PCB-6	ND	2.01			PCB-50	ND	0.901		
PCB-7/9	ND	1.98			PCB-51	1.07			J
PCB-11	10.7			B	PCB-52/69	3.26			J, B
PCB-12/13	ND	1.87			PCB-53	0.601			J
PCB-14	ND	1.61			PCB-54	ND	0.684		
PCB-15	ND	1.83			PCB-55	ND	0.506		
PCB-16/32	2.07			J, B	PCB-56/60	1.23			J
PCB-17	0.924			J	PCB-57	ND	0.546		
PCB-18	3.33			J	PCB-58	ND	0.538		
PCB-19	ND	0.936			PCB-61/70	2.92			J
PCB-20/21/33	1.77			J	PCB-62	ND	0.607		
PCB-22	1.59			J	PCB-63	ND	0.526		
PCB-23	ND	0.416			PCB-65	ND	0.626		
PCB-24/27	ND	0.514			PCB-66/76	1.73			J, B
PCB-25	ND		0.304		PCB-67	ND	0.561		
PCB-26	ND		0.448		PCB-68	1.07			J
PCB-28	ND		2.84		PCB-73	ND	0.633		
PCB-29	ND	0.416			PCB-74	0.785			J
PCB-30	ND	0.592			PCB-77	ND	0.562		
PCB-31	2.96			J, B	PCB-78	ND	0.527		
PCB-34	ND	0.387			PCB-79	ND	0.536		
PCB-35	ND	0.376			PCB-80	ND	0.470		
PCB-36	ND	0.364			PCB-81	ND	0.481		
PCB-37	0.865			J	PCB-82	ND	1.67		
PCB-38	ND	0.380			PCB-83	ND	1.02		
PCB-39	ND	0.375			PCB-84/92	ND		1.64	
PCB-40	ND	0.961			PCB-85/116	ND	0.823		
PCB-41/64/71/72	2.39			J, B	PCB-86	ND	1.64		
PCB-42/59	0.980			J	PCB-87/117/125	1.18			J
PCB-43/49	2.08			J	PCB-88/91	ND	1.55		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-01	Date Received:	04-May-2016 10:04
Project:	Stiller Pond	Sample Size:	1.01 L	QC Batch:	B6E0061	Date Extracted:	12-May-2016 8:50
Date Collected:	03-May-2016 10:45			Date Analyzed :	12-May-16 21:27	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.54			PCB-136	ND	1.03		
PCB-90/101	4.09			J	PCB-137	ND	0.625		
PCB-93	ND	1.65			PCB-138/163/164	3.91			J, B
PCB-94	ND	1.55			PCB-139/149	3.46			J, B
PCB-95/98/102	2.95			J	PCB-140	ND	1.51		
PCB-96	ND	1.17			PCB-141	0.913			J
PCB-97	0.944			J	PCB-144	ND	1.37		
PCB-99	ND		1.38		PCB-145	ND	1.07		
PCB-100	ND	1.32			PCB-146/165	0.503			J
PCB-103	ND	1.32			PCB-147	ND	1.50		
PCB-104	ND	1.01			PCB-148	ND	1.43		
PCB-105	ND		0.669		PCB-150	ND	1.04		
PCB-106/118	2.37			J	PCB-151	1.20			J
PCB-107/109	ND	0.928			PCB-152	ND	1.00		
PCB-108/112	ND	1.20			PCB-153	3.16			J, B
PCB-110	4.20			J, B	PCB-154	ND	1.32		
PCB-111/115	ND	0.912			PCB-155	ND	0.977		
PCB-113	ND	1.14			PCB-156	0.402			J
PCB-114	ND	0.561			PCB-157	ND	0.451		
PCB-119	ND	0.901			PCB-158/160	0.576			J
PCB-120	ND	0.852			PCB-159	ND	0.453		
PCB-121	ND	0.992			PCB-166	ND	0.485		
PCB-122	ND	0.668			PCB-167	ND	0.465		
PCB-123	ND	0.990			PCB-168	ND	0.489		
PCB-124	ND	0.950			PCB-169	ND	0.522		
PCB-126	ND	0.603			PCB-170	ND		0.505	
PCB-127	ND	0.595			PCB-171	ND	0.576		
PCB-128/162	0.726			J	PCB-172	ND	0.620		
PCB-129	ND	0.743			PCB-173	ND	0.759		
PCB-130	ND	0.800			PCB-174	0.906			J
PCB-131	ND	0.784			PCB-175	ND	0.659		
PCB-132/161	ND		0.686		PCB-176	ND	0.474		
PCB-133/142	ND	0.729			PCB-177	ND		0.636	
PCB-134/143	0.355			J	PCB-178	ND	0.642		
PCB-135	ND	1.47			PCB-179	ND	0.496		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-01
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:45			QC Batch:	B6E0061
				Date Analyzed :	12-May-16 21:27
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	2.08			J	Total octaCB	1.40		2.25	
PCB-181	ND	0.622			Total nonaCB	0.307		0.826	
PCB-182/187	ND		1.31		DecaCB	0.935			
PCB-183	ND	0.564			Total PCB	91.1			
PCB-184	ND	0.516							
PCB-185	ND	0.597							
PCB-186	ND	0.474							
PCB-188	ND	0.454							
PCB-189	ND	0.377							
PCB-190	ND	0.424							
PCB-191	ND	0.451							
PCB-192	ND	0.483							
PCB-193	ND	0.453							
PCB-194	ND		0.849						
PCB-195	ND	0.649							
PCB-196/203	0.647			J					
PCB-197	ND	0.706							
PCB-198	ND	1.09							
PCB-199	0.753			J					
PCB-200	ND	0.797							
PCB-201	ND	0.752							
PCB-202	ND	0.809							
PCB-204	ND	0.767							
PCB-205	ND	0.292							
PCB-206	ND		0.519						
PCB-207	ND	0.304							
PCB-208	0.307			J					
PCB-209	0.935			J					
Total monoCB	6.45								
Total diCB	10.7								
Total triCB	13.5		17.1						
Total tetraCB	23.8		25.7						
Total pentaCB	15.7		19.4						
Total hexaCB	15.2		15.9						
Total heptaCB	2.99		5.44						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Mill Creek

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-01
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:45			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 21:27
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.6	5 -145		13C-PCB-170	74.6	10 -145	
13C-PCB-3	53.8	5 -145		13C-PCB-180	75.2	10 -145	
13C-PCB-4	61.8	5 -145		13C-PCB-188	64.5	10 -145	
13C-PCB-11	73.0	5 -145		13C-PCB-189	77.2	10 -145	
13C-PCB-9	62.8	5 -145		13C-PCB-194	88.6	10 -145	
13C-PCB-19	60.5	5 -145		13C-PCB-202	57.4	10 -145	
13C-PCB-28	78.0	5 -145		13C-PCB-206	84.5	10 -145	
13C-PCB-32	71.2	5 -145		13C-PCB-208	77.2	10 -145	
13C-PCB-37	96.4	5 -145		13C-PCB-209	78.4	10 -145	
13C-PCB-47	78.3	5 -145		CRS 13C-PCB-79	97.6	10 -145	
13C-PCB-52	80.4	5 -145		13C-PCB-178	75.4	10 -145	
13C-PCB-54	65.2	5 -145					
13C-PCB-70	85.7	5 -145					
13C-PCB-77	93.3	10 -145					
13C-PCB-80	87.1	10 -145					
13C-PCB-81	92.0	10 -145					
13C-PCB-95	83.9	10 -145					
13C-PCB-97	92.4	10 -145					
13C-PCB-101	86.3	10 -145					
13C-PCB-104	81.0	10 -145					
13C-PCB-105	106	10 -145					
13C-PCB-114	99.9	10 -145					
13C-PCB-118	90.6	10 -145					
13C-PCB-123	95.8	10 -145					
13C-PCB-126	114	10 -145					
13C-PCB-127	108	10 -145					
13C-PCB-138	87.1	10 -145					
13C-PCB-141	86.3	10 -145					
13C-PCB-153	83.6	10 -145					
13C-PCB-155	54.2	10 -145					
13C-PCB-156	94.2	10 -145					
13C-PCB-157	92.5	10 -145					
13C-PCB-159	90.3	10 -145					
13C-PCB-167	93.4	10 -145					
13C-PCB-169	94.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-02
Project:	Stiller Pond	Sample Size:	0.986 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:00			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 22:32
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	17.7				PCB-44	4.49			J
PCB-2	1.28			J	PCB-45	ND		1.06	
PCB-3	6.49				PCB-46	ND		0.437	
PCB-4/10	34.8				PCB-47	3.03			J, B
PCB-5/8	84.6				PCB-48/75	0.881			J
PCB-6	14.7				PCB-50	ND	0.674		
PCB-7/9	7.48			J	PCB-51	0.740			J
PCB-11	13.3			B	PCB-52/69	3.92			J, B
PCB-12/13	ND	3.19			PCB-53	1.12			J
PCB-14	ND	1.12			PCB-54	ND	0.512		
PCB-15	13.9				PCB-55	ND	0.384		
PCB-16/32	25.5			B	PCB-56/60	1.35			J
PCB-17	13.4				PCB-57	ND	0.409		
PCB-18	36.1				PCB-58	ND	0.403		
PCB-19	4.17			J	PCB-61/70	2.04			J
PCB-20/21/33	18.3				PCB-62	ND	0.457		
PCB-22	10.0				PCB-63	ND	0.394		
PCB-23	ND	0.381			PCB-65	ND	0.471		
PCB-24/27	2.57			J	PCB-66/76	1.67			J, B
PCB-25	1.96			J	PCB-67	ND	0.419		
PCB-26	4.11			J	PCB-68	0.582			J
PCB-28	21.0				PCB-73	ND	0.469		
PCB-29	ND	0.381			PCB-74	0.762			J
PCB-30	ND	0.479			PCB-77	ND	0.423		
PCB-31	19.3			B	PCB-78	ND	0.414		
PCB-34	ND	0.355			PCB-79	ND	0.407		
PCB-35	ND	0.355			PCB-80	ND	0.357		
PCB-36	ND	0.343			PCB-81	ND	0.378		
PCB-37	2.29			J	PCB-82	ND	1.72		
PCB-38	ND	0.359			PCB-83	ND	1.00		
PCB-39	ND	0.354			PCB-84/92	ND		0.511	
PCB-40	0.888			J	PCB-85/116	ND	1.19		
PCB-41/64/71/72	3.61			J, B	PCB-86	ND	1.61		
PCB-42/59	1.67			J	PCB-87/117/125	ND	1.05		
PCB-43/49	3.09			J	PCB-88/91	ND	1.34		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-02
Project:	Stiller Pond	Sample Size:	0.986 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:00			QC Batch:	B6E0061
				Date Analyzed :	12-May-16 22:32
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.48			PCB-136	ND	1.41		
PCB-90/101	1.35			J	PCB-137	ND	0.667		
PCB-93	ND	1.42			PCB-138/163/164	1.20			J, B
PCB-94	ND	1.34			PCB-139/149	ND		1.55	
PCB-95/98/102	1.27			J	PCB-140	ND	2.06		
PCB-96	ND	1.04			PCB-141	ND	0.679		
PCB-97	ND	1.28			PCB-144	ND	1.88		
PCB-99	ND		0.721		PCB-145	ND	1.47		
PCB-100	ND	1.18			PCB-146/165	ND	0.672		
PCB-103	ND	1.17			PCB-147	ND	2.06		
PCB-104	ND	0.896			PCB-148	ND	1.96		
PCB-105	ND		0.260		PCB-150	ND	1.42		
PCB-106/118	0.989			J	PCB-151	ND	1.96		
PCB-107/109	ND	0.954			PCB-152	ND	1.37		
PCB-108/112	ND	1.18			PCB-153	1.03			J, B
PCB-110	1.50			J, B	PCB-154	ND	1.80		
PCB-111/115	ND	0.896			PCB-155	ND	1.34		
PCB-113	ND	1.10			PCB-156	ND	0.483		
PCB-114	ND	0.509			PCB-157	ND	0.503		
PCB-119	ND	0.885			PCB-158/160	ND	0.519		
PCB-120	ND	0.838			PCB-159	ND	0.497		
PCB-121	ND	0.858			PCB-166	ND	0.532		
PCB-122	ND	0.605			PCB-167	ND	0.520		
PCB-123	ND	1.02			PCB-168	ND	0.536		
PCB-124	ND	0.977			PCB-169	ND	0.587		
PCB-126	ND	0.541			PCB-170	ND	0.562		
PCB-127	ND	0.546			PCB-171	ND	0.583		
PCB-128/162	ND	0.587			PCB-172	ND	0.627		
PCB-129	ND	0.774			PCB-173	ND	0.768		
PCB-130	ND	0.853			PCB-174	ND	0.659		
PCB-131	ND	0.860			PCB-175	ND	0.672		
PCB-132/161	ND	0.650			PCB-176	ND	0.483		
PCB-133/142	ND	0.800			PCB-177	ND	0.670		
PCB-134/143	ND	0.781			PCB-178	ND	0.654		
PCB-135	ND	2.01			PCB-179	ND	0.505		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-02
Project:	Stiller Pond	Sample Size:	0.986 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:00			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 22:32
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.586			Total octaCB	0.656			
PCB-181	ND	0.629			Total nonaCB	ND	0.411		
PCB-182/187	ND	0.619			DecaCB	ND		0.288	
PCB-183	ND	0.575			Total PCB	391			
PCB-184	ND	0.525							
PCB-185	ND	0.604							
PCB-186	ND	0.483							
PCB-188	ND	0.462							
PCB-189	ND	0.380							
PCB-190	ND	0.418							
PCB-191	ND	0.456							
PCB-192	ND	0.488							
PCB-193	ND	0.458							
PCB-194	0.656			J					
PCB-195	ND	0.392							
PCB-196/203	ND	1.20							
PCB-197	ND	0.853							
PCB-198	ND	1.32							
PCB-199	ND	1.34							
PCB-200	ND	0.961							
PCB-201	ND	0.908							
PCB-202	ND	0.976							
PCB-204	ND	0.926							
PCB-205	ND	0.277							
PCB-206	ND	0.411							
PCB-207	ND	0.269							
PCB-208	ND	0.273							
PCB-209	ND		0.288						
Total monoCB	25.5								
Total diCB	169								
Total triCB	159								
Total tetraCB	29.8		31.3						
Total pentaCB	5.11		6.60						
Total hexaCB	2.23		3.78						
Total heptaCB	ND	0.768							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_136

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-02
Project:	Stiller Pond	Sample Size:	0.986 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:00			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 22:32
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	48.8	5 -145		13C-PCB-170	71.5	10 -145	
13C-PCB-3	49.0	5 -145		13C-PCB-180	70.5	10 -145	
13C-PCB-4	57.2	5 -145		13C-PCB-188	60.5	10 -145	
13C-PCB-11	73.3	5 -145		13C-PCB-189	73.7	10 -145	
13C-PCB-9	62.4	5 -145		13C-PCB-194	80.8	10 -145	
13C-PCB-19	64.4	5 -145		13C-PCB-202	51.5	10 -145	
13C-PCB-28	78.8	5 -145		13C-PCB-206	76.3	10 -145	
13C-PCB-32	69.5	5 -145		13C-PCB-208	67.5	10 -145	
13C-PCB-37	96.8	5 -145		13C-PCB-209	66.9	10 -145	
13C-PCB-47	78.4	5 -145		CRS 13C-PCB-79	96.7	10 -145	
13C-PCB-52	80.7	5 -145		13C-PCB-178	78.7	10 -145	
13C-PCB-54	65.1	5 -145					
13C-PCB-70	85.7	5 -145					
13C-PCB-77	82.5	10 -145					
13C-PCB-80	85.5	10 -145					
13C-PCB-81	84.5	10 -145					
13C-PCB-95	93.6	10 -145					
13C-PCB-97	92.5	10 -145					
13C-PCB-101	87.6	10 -145					
13C-PCB-104	87.1	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	96.5	10 -145					
13C-PCB-118	93.0	10 -145					
13C-PCB-123	91.6	10 -145					
13C-PCB-126	109	10 -145					
13C-PCB-127	103	10 -145					
13C-PCB-138	83.7	10 -145					
13C-PCB-141	83.7	10 -145					
13C-PCB-153	82.0	10 -145					
13C-PCB-155	50.6	10 -145					
13C-PCB-156	88.8	10 -145					
13C-PCB-157	86.0	10 -145					
13C-PCB-159	86.9	10 -145					
13C-PCB-167	87.8	10 -145					
13C-PCB-169	88.0	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:50			QC Batch:	B6E0061
				Date Analyzed :	12-May-16 23:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	24.0				PCB-44	5.33			
PCB-2	1.25			J	PCB-45	1.78			J
PCB-3	8.61				PCB-46	0.668			J
PCB-4/10	47.5				PCB-47	2.72			J, B
PCB-5/8	111				PCB-48/75	1.43			J
PCB-6	18.7				PCB-50	ND	0.843		
PCB-7/9	ND	1.04			PCB-51	0.560			J
PCB-11	13.1			B	PCB-52/69	4.42			J, B
PCB-12/13	ND	1.33			PCB-53	1.38			J
PCB-14	ND	1.15			PCB-54	ND	0.640		
PCB-15	17.1				PCB-55	ND	0.465		
PCB-16/32	33.5			B	PCB-56/60	1.62			J
PCB-17	17.4				PCB-57	ND	0.505		
PCB-18	48.7				PCB-58	ND	0.497		
PCB-19	5.73				PCB-61/70	2.34			J
PCB-20/21/33	23.8				PCB-62	ND	0.552		
PCB-22	12.6				PCB-63	ND	0.486		
PCB-23	ND	0.403			PCB-65	ND	0.570		
PCB-24/27	3.48			J	PCB-66/76	ND		1.52	
PCB-25	ND		2.22		PCB-67	ND	0.518		
PCB-26	4.89			J	PCB-68	0.603			J
PCB-28	26.1				PCB-73	ND	0.578		
PCB-29	ND	0.403			PCB-74	0.942			J
PCB-30	ND	0.385			PCB-77	ND	0.469		
PCB-31	25.1			B	PCB-78	ND	0.488		
PCB-34	ND	0.375			PCB-79	ND	0.493		
PCB-35	ND	0.956			PCB-80	ND	0.432		
PCB-36	ND	0.353			PCB-81	ND	0.446		
PCB-37	2.96			J	PCB-82	ND	1.71		
PCB-38	ND	0.369			PCB-83	ND	1.08		
PCB-39	ND	0.364			PCB-84/92	ND	1.47		
PCB-40	0.911			J	PCB-85/116	ND	1.29		
PCB-41/64/71/72	3.85			J, B	PCB-86	ND	1.74		
PCB-42/59	2.02			J	PCB-87/117/125	ND	1.13		
PCB-43/49	3.68			J	PCB-88/91	ND	1.50		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:50			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 23:38
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.58			PCB-136	ND	0.868		
PCB-90/101	1.75			J	PCB-137	ND	0.640		
PCB-93	ND	1.59			PCB-138/163/164	1.09			J, B
PCB-94	ND	1.49			PCB-139/149	ND	0.953		
PCB-95/98/102	1.51			J	PCB-140	ND	1.28		
PCB-96	ND	1.17			PCB-141	ND	0.652		
PCB-97	ND	1.38			PCB-144	ND	1.16		
PCB-99	0.696			J	PCB-145	ND	0.907		
PCB-100	ND	1.33			PCB-146/165	ND	0.618		
PCB-103	ND	1.32			PCB-147	ND	1.27		
PCB-104	ND	1.01			PCB-148	ND	1.21		
PCB-105	ND		0.346		PCB-150	ND	0.879		
PCB-106/118	ND		1.01		PCB-151	ND	1.21		
PCB-107/109	ND	0.948			PCB-152	ND	0.848		
PCB-108/112	ND	1.28			PCB-153	ND		0.824	
PCB-110	1.33			J, B	PCB-154	ND	1.11		
PCB-111/115	ND	0.967			PCB-155	ND	0.828		
PCB-113	ND	1.17			PCB-156	ND	0.431		
PCB-114	ND	0.456			PCB-157	ND	0.459		
PCB-119	ND	0.955			PCB-158/160	ND	0.478		
PCB-120	ND	0.904			PCB-159	ND	0.455		
PCB-121	ND	0.956			PCB-166	ND	0.487		
PCB-122	ND	0.543			PCB-167	ND	0.474		
PCB-123	ND	1.01			PCB-168	ND	0.493		
PCB-124	ND	0.971			PCB-169	ND	0.528		
PCB-126	ND	0.494			PCB-170	ND	0.411		
PCB-127	ND	0.482			PCB-171	ND	0.394		
PCB-128/162	ND	0.538			PCB-172	ND	0.424		
PCB-129	ND	0.713			PCB-173	ND	0.520		
PCB-130	ND	0.819			PCB-174	ND	0.445		
PCB-131	ND	0.791			PCB-175	ND	0.499		
PCB-132/161	ND	1.09			PCB-176	ND	0.359		
PCB-133/142	ND	0.736			PCB-177	ND	0.453		
PCB-134/143	ND	0.718			PCB-178	ND	0.486		
PCB-135	ND	1.24			PCB-179	ND	0.375		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-03	Date Received:	04-May-2016 10:04
Project:	Stiller Pond	Sample Size:	1.02 L	QC Batch:	B6E0061	Date Extracted:	12-May-2016 8:50
Date Collected:	03-May-2016 10:50			Date Analyzed:	12-May-16 23:38	Column:	ZB-1 Analyst: MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		0.581		Total octaCB	0.639			
PCB-181	ND	0.425			Total nonaCB	ND	0.545		
PCB-182/187	ND	0.460			DecaCB	ND	0.464		
PCB-183	ND	0.427			Total PCB	487			
PCB-184	ND	0.390							
PCB-185	ND	0.409							
PCB-186	ND	0.358							
PCB-188	ND	0.343							
PCB-189	ND	0.265							
PCB-190	ND	0.306							
PCB-191	ND	0.308							
PCB-192	ND	0.330							
PCB-193	ND	0.310							
PCB-194	0.639			J					
PCB-195	ND	0.435							
PCB-196/203	ND	0.997							
PCB-197	ND	0.708							
PCB-198	ND	1.10							
PCB-199	ND	1.11							
PCB-200	ND	0.799							
PCB-201	ND	0.754							
PCB-202	ND	0.811							
PCB-204	ND	0.769							
PCB-205	ND	0.308							
PCB-206	ND	0.545							
PCB-207	ND	0.329							
PCB-208	ND	0.333							
PCB-209	ND	0.464							
Total monoCB	33.9								
Total diCB	208								
Total triCB	204		206						
Total tetraCB	34.3		35.8						
Total pentaCB	5.29		6.64						
Total hexaCB	1.09		1.91						
Total heptaCB	ND		0.581						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_145

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-03
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:50			QC Batch:	B6E0061
				Date Analyzed:	12-May-16 23:38
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	53.7	5 -145		13C-PCB-170	70.4	10 -145	
13C-PCB-3	55.9	5 -145		13C-PCB-180	72.2	10 -145	
13C-PCB-4	62.8	5 -145		13C-PCB-188	58.3	10 -145	
13C-PCB-11	74.4	5 -145		13C-PCB-189	73.7	10 -145	
13C-PCB-9	66.3	5 -145		13C-PCB-194	81.8	10 -145	
13C-PCB-19	64.9	5 -145		13C-PCB-202	51.5	10 -145	
13C-PCB-28	77.7	5 -145		13C-PCB-206	77.4	10 -145	
13C-PCB-32	66.3	5 -145		13C-PCB-208	70.4	10 -145	
13C-PCB-37	94.0	5 -145		13C-PCB-209	72.7	10 -145	
13C-PCB-47	74.9	5 -145		CRS 13C-PCB-79	92.9	10 -145	
13C-PCB-52	76.1	5 -145		13C-PCB-178	74.7	10 -145	
13C-PCB-54	60.3	5 -145					
13C-PCB-70	80.9	5 -145					
13C-PCB-77	85.2	10 -145					
13C-PCB-80	81.9	10 -145					
13C-PCB-81	84.2	10 -145					
13C-PCB-95	78.9	10 -145					
13C-PCB-97	82.6	10 -145					
13C-PCB-101	78.8	10 -145					
13C-PCB-104	73.9	10 -145					
13C-PCB-105	98.8	10 -145					
13C-PCB-114	91.3	10 -145					
13C-PCB-118	84.6	10 -145					
13C-PCB-123	86.8	10 -145					
13C-PCB-126	105	10 -145					
13C-PCB-127	98.7	10 -145					
13C-PCB-138	84.0	10 -145					
13C-PCB-141	80.2	10 -145					
13C-PCB-153	78.3	10 -145					
13C-PCB-155	44.9	10 -145					
13C-PCB-156	90.0	10 -145					
13C-PCB-157	87.3	10 -145					
13C-PCB-159	86.1	10 -145					
13C-PCB-167	88.0	10 -145					
13C-PCB-169	88.0	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:20			QC Batch:	B6E0061
				Date Analyzed :	13-May-16 00:43
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	22.0				PCB-44	5.64			
PCB-2	1.65			J	PCB-45	1.66			J
PCB-3	8.88				PCB-46	0.809			J
PCB-4/10	44.2				PCB-47	2.52			J, B
PCB-5/8	114				PCB-48/75	1.39			J
PCB-6	22.7				PCB-50	ND	0.461		
PCB-7/9	10.4				PCB-51	ND		0.647	
PCB-11	15.2			B	PCB-52/69	4.88			J, B
PCB-12/13	ND	3.52			PCB-53	1.22			J
PCB-14	ND	0.933			PCB-54	ND	0.351		
PCB-15	18.6				PCB-55	ND	0.263		
PCB-16/32	34.3			B	PCB-56/60	1.67			J
PCB-17	17.1				PCB-57	ND	0.289		
PCB-18	46.1				PCB-58	ND	0.285		
PCB-19	5.54				PCB-61/70	2.47			J
PCB-20/21/33	26.6				PCB-62	ND	0.323		
PCB-22	15.1				PCB-63	ND	0.279		
PCB-23	ND	0.300			PCB-65	ND	0.333		
PCB-24/27	3.54			J	PCB-66/76	2.12			J, B
PCB-25	3.27			J	PCB-67	ND	0.297		
PCB-26	5.48				PCB-68	0.458			J
PCB-28	28.7				PCB-73	ND	0.317		
PCB-29	0.374			J	PCB-74	1.14			J
PCB-30	ND	0.365			PCB-77	ND	0.278		
PCB-31	28.1			B	PCB-78	ND	0.278		
PCB-34	ND	0.279			PCB-79	ND	0.279		
PCB-35	ND	0.305			PCB-80	ND	0.245		
PCB-36	ND	0.272			PCB-81	ND	0.253		
PCB-37	3.16			J	PCB-82	ND	1.04		
PCB-38	ND	0.285			PCB-83	ND	0.633		
PCB-39	ND	0.280			PCB-84/92	0.739			J
PCB-40	1.35			J	PCB-85/116	ND	0.755		
PCB-41/64/71/72	4.34			B, J	PCB-86	ND	1.02		
PCB-42/59	2.34			J	PCB-87/117/125	ND	0.530		
PCB-43/49	3.76			J	PCB-88/91	ND	0.934		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:20			QC Batch:	B6E0061
				Date Analyzed :	13-May-16 00:43
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.951			PCB-136	ND	1.00		
PCB-90/101	1.48			J	PCB-137	ND	0.431		
PCB-93	ND	0.989			PCB-138/163/164	1.28			J, B
PCB-94	ND	0.929			PCB-139/149	ND		1.14	
PCB-95/98/102	ND		1.16		PCB-140	ND	1.48		
PCB-96	ND	0.690			PCB-141	ND	0.439		
PCB-97	ND	0.633			PCB-144	ND	1.34		
PCB-99	0.929			J	PCB-145	ND	1.05		
PCB-100	ND	0.783			PCB-146/165	ND	0.416		
PCB-103	ND	0.779			PCB-147	ND	1.47		
PCB-104	ND	0.597			PCB-148	ND	1.40		
PCB-105	ND		0.289		PCB-150	ND	1.02		
PCB-106/118	0.820			J	PCB-151	ND	1.40		
PCB-107/109	ND	0.578			PCB-152	ND	0.982		
PCB-108/112	ND	0.748			PCB-153	1.16			J, B
PCB-110	1.40			J, B	PCB-154	ND	1.29		
PCB-111/115	ND	0.567			PCB-155	ND	0.957		
PCB-113	ND	0.707			PCB-156	ND	0.299		
PCB-114	ND	0.382			PCB-157	ND	0.313		
PCB-119	ND	0.560			PCB-158/160	ND	0.321		
PCB-120	ND	0.530			PCB-159	ND	0.308		
PCB-121	ND	0.596			PCB-166	ND	0.330		
PCB-122	ND	0.455			PCB-167	ND	0.317		
PCB-123	ND	0.617			PCB-168	ND	0.332		
PCB-124	ND	0.592			PCB-169	ND	0.359		
PCB-126	ND	0.394			PCB-170	ND	0.342		
PCB-127	ND	0.394			PCB-171	ND	0.354		
PCB-128/162	ND	0.364			PCB-172	ND	0.380		
PCB-129	ND	0.479			PCB-173	ND	0.466		
PCB-130	ND	0.552			PCB-174	ND	0.400		
PCB-131	ND	0.532			PCB-175	ND	0.421		
PCB-132/161	ND	0.733			PCB-176	ND	0.303		
PCB-133/142	ND	0.495			PCB-177	ND	0.407		
PCB-134/143	ND	0.483			PCB-178	ND	0.410		
PCB-135	ND	1.44			PCB-179	ND	0.317		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:20			QC Batch:	B6E0061
				Date Analyzed :	13-May-16 00:43
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		0.550		Total octaCB	ND		0.556	
PCB-181	ND	0.647			Total nonaCB	ND	0.356		
PCB-182/187	ND		0.594		DecaCB	ND	0.265		
PCB-183	ND	0.610			Total PCB	521			
PCB-184	ND	0.329							
PCB-185	ND	0.367							
PCB-186	ND	0.302							
PCB-188	ND	0.289							
PCB-189	ND	0.237							
PCB-190	ND	0.254							
PCB-191	ND	0.277							
PCB-192	ND	0.296							
PCB-193	ND	0.278							
PCB-194	ND		0.556						
PCB-195	ND	0.300							
PCB-196/203	ND	0.838							
PCB-197	ND	0.596							
PCB-198	ND	0.922							
PCB-199	ND	0.937							
PCB-200	ND	0.672							
PCB-201	ND	0.634							
PCB-202	ND	0.682							
PCB-204	ND	0.647							
PCB-205	ND	0.212							
PCB-206	ND	0.356							
PCB-207	ND	0.231							
PCB-208	ND	0.282							
PCB-209	ND	0.265							
Total monoCB	32.5								
Total diCB	226								
Total triCB	217								
Total tetraCB	37.8		38.4						
Total pentaCB	5.36		6.81						
Total hexaCB	2.44		3.58						
Total heptaCB	ND		1.14						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_146

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-04
Project:	Stiller Pond	Sample Size:	1.02 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 10:20			QC Batch:	B6E0061
				Date Analyzed:	13-May-16 00:43
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.5	5 -145		13C-PCB-170	77.9	10 -145	
13C-PCB-3	65.4	5 -145		13C-PCB-180	75.6	10 -145	
13C-PCB-4	71.5	5 -145		13C-PCB-188	64.2	10 -145	
13C-PCB-11	77.0	5 -145		13C-PCB-189	78.2	10 -145	
13C-PCB-9	72.3	5 -145		13C-PCB-194	86.0	10 -145	
13C-PCB-19	65.8	5 -145		13C-PCB-202	56.5	10 -145	
13C-PCB-28	77.7	5 -145		13C-PCB-206	83.0	10 -145	
13C-PCB-32	73.5	5 -145		13C-PCB-208	75.0	10 -145	
13C-PCB-37	98.1	5 -145		13C-PCB-209	76.3	10 -145	
13C-PCB-47	78.8	5 -145		CRS 13C-PCB-79	98.3	10 -145	
13C-PCB-52	83.7	5 -145		13C-PCB-178	83.8	10 -145	
13C-PCB-54	68.4	5 -145					
13C-PCB-70	85.9	5 -145					
13C-PCB-77	90.7	10 -145					
13C-PCB-80	85.8	10 -145					
13C-PCB-81	89.6	10 -145					
13C-PCB-95	86.2	10 -145					
13C-PCB-97	91.5	10 -145					
13C-PCB-101	85.6	10 -145					
13C-PCB-104	81.8	10 -145					
13C-PCB-105	108	10 -145					
13C-PCB-114	102	10 -145					
13C-PCB-118	95.3	10 -145					
13C-PCB-123	92.2	10 -145					
13C-PCB-126	116	10 -145					
13C-PCB-127	108	10 -145					
13C-PCB-138	92.7	10 -145					
13C-PCB-141	88.7	10 -145					
13C-PCB-153	87.4	10 -145					
13C-PCB-155	51.7	10 -145					
13C-PCB-156	96.3	10 -145					
13C-PCB-157	94.3	10 -145					
13C-PCB-159	94.7	10 -145					
13C-PCB-167	95.7	10 -145					
13C-PCB-169	95.0	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 9:15			QC Batch:	B6E0061
				Date Analyzed :	13-May-16 01:48
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	26.6				PCB-44	7.58			
PCB-2	1.73			J	PCB-45	2.46			J
PCB-3	9.47				PCB-46	0.916			J
PCB-4/10	50.5				PCB-47	3.72			J, B
PCB-5/8	120				PCB-48/75	1.98			J
PCB-6	22.8				PCB-50	ND	1.03		
PCB-7/9	ND	1.98			PCB-51	ND		1.09	
PCB-11	17.8			B	PCB-52/69	6.42			J, B
PCB-12/13	ND	1.99			PCB-53	2.00			J
PCB-14	ND	1.71			PCB-54	ND	0.780		
PCB-15	21.2				PCB-55	ND	0.551		
PCB-16/32	41.0			B	PCB-56/60	2.28			J
PCB-17	21.3				PCB-57	ND	0.631		
PCB-18	57.6				PCB-58	ND	0.621		
PCB-19	7.06				PCB-61/70	3.16			J
PCB-20/21/33	31.7				PCB-62	ND	0.691		
PCB-22	17.6				PCB-63	ND	0.607		
PCB-23	ND	0.693			PCB-65	ND	0.713		
PCB-24/27	4.65			J	PCB-66/76	2.49			B, J
PCB-25	3.56			J	PCB-67	ND	0.647		
PCB-26	6.57				PCB-68	ND	0.723		
PCB-28	32.2				PCB-73	ND	0.691		
PCB-29	ND		0.400		PCB-74	1.34			J
PCB-30	ND	0.537			PCB-77	ND	0.522		
PCB-31	34.4			B	PCB-78	ND	0.577		
PCB-34	ND	0.645			PCB-79	ND	0.584		
PCB-35	ND	0.695			PCB-80	ND	0.512		
PCB-36	ND	0.671			PCB-81	ND	0.527		
PCB-37	4.13			J	PCB-82	ND	1.00		
PCB-38	ND	0.703			PCB-83	ND	0.673		
PCB-39	ND	0.692			PCB-84/92	ND		1.03	
PCB-40	ND		1.10		PCB-85/116	ND	0.803		
PCB-41/64/71/72	5.48			J, B	PCB-86	ND	1.08		
PCB-42/59	2.58			J	PCB-87/117/125	ND	0.703		
PCB-43/49	5.16			J	PCB-88/91	ND	1.00		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-05
Project:	Stiller Pond	Sample Size:	1.01 L	Date Received:	04-May-2016 10:04
Date Collected:	03-May-2016 9:15			QC Batch:	B6E0061
				Date Analyzed:	13-May-16 01:48
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	1.01			PCB-136	ND	1.25		
PCB-90/101	1.90			J	PCB-137	ND	0.698		
PCB-93	ND	1.06			PCB-138/163/164	1.81			J, B
PCB-94	ND	0.996			PCB-139/149	ND		1.85	
PCB-95/98/102	2.19			J	PCB-140	ND	1.83		
PCB-96	ND	0.743			PCB-141	ND	0.711		
PCB-97	ND	0.862			PCB-144	ND	1.66		
PCB-99	ND		0.897		PCB-145	ND	1.30		
PCB-100	ND	0.842			PCB-146/165	ND	0.644		
PCB-103	ND	0.838			PCB-147	ND	1.83		
PCB-104	ND	0.642			PCB-148	ND	1.74		
PCB-105	ND		0.456		PCB-150	ND	1.26		
PCB-106/118	1.29			J	PCB-151	ND	1.74		
PCB-107/109	ND	0.558			PCB-152	ND	1.22		
PCB-108/112	ND	0.795			PCB-153	1.96			J, B
PCB-110	1.66			J, B	PCB-154	ND	1.60		
PCB-111/115	ND	0.603			PCB-155	ND	1.19		
PCB-113	ND	0.751			PCB-156	ND	0.515		
PCB-114	ND	0.591			PCB-157	ND	0.535		
PCB-119	ND	0.595			PCB-158/160	ND	0.548		
PCB-120	ND	0.563			PCB-159	ND	0.527		
PCB-121	ND	0.639			PCB-166	ND	0.564		
PCB-122	ND	0.704			PCB-167	ND	0.545		
PCB-123	ND	0.595			PCB-168	ND	0.514		
PCB-124	ND	0.571			PCB-169	ND	0.595		
PCB-126	ND	0.646			PCB-170	ND	0.741		
PCB-127	ND	0.644			PCB-171	ND	0.682		
PCB-128/162	ND	0.622			PCB-172	ND	0.733		
PCB-129	ND	0.818			PCB-173	ND	0.899		
PCB-130	ND	0.894			PCB-174	ND	0.770		
PCB-131	ND	0.824			PCB-175	ND	0.827		
PCB-132/161	ND	0.623			PCB-176	ND	0.595		
PCB-133/142	ND	0.767			PCB-177	ND	0.784		
PCB-134/143	ND	0.749			PCB-178	ND	0.806		
PCB-135	ND	1.78			PCB-179	ND	0.623		

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Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600562-05
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				Date Analyzed:	13-May-16 01:48
				Column:	ZB-1
				Analyst:	MAS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND		0.790		Total octaCB	0.728			
PCB-181	ND	0.736			Total nonaCB	ND	0.424		
PCB-182/187	ND		0.815		DecaCB	0.464			
PCB-183	ND	0.708			Total PCB	591			
PCB-184	ND	0.647							
PCB-185	ND	0.707							
PCB-186	ND	0.594							
PCB-188	ND	0.569							
PCB-189	ND	0.466							
PCB-190	ND	0.551							
PCB-191	ND	0.533							
PCB-192	ND	0.571							
PCB-193	ND	0.536							
PCB-194	0.728			J					
PCB-195	ND	0.449							
PCB-196/203	ND	1.39							
PCB-197	ND	0.986							
PCB-198	ND	1.53							
PCB-199	ND	0.797							
PCB-200	ND	1.11							
PCB-201	ND	1.05							
PCB-202	ND	1.13							
PCB-204	ND	1.07							
PCB-205	ND	0.318							
PCB-206	ND	0.424							
PCB-207	ND	0.267							
PCB-208	ND	0.271							
PCB-209	0.464			J					
Total monoCB	37.8								
Total diCB	232								
Total triCB	262								
Total tetraCB	47.6		49.8						
Total pentaCB	7.05		9.43						
Total hexaCB	3.77		5.62						
Total heptaCB	ND		1.61						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW_147

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
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				Date Analyzed:	13-May-16 01:48
				Column:	ZB-1
				Analyst:	MAS

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	56.1	5 -145		13C-PCB-170	71.9	10 -145	
13C-PCB-3	52.9	5 -145		13C-PCB-180	72.9	10 -145	
13C-PCB-4	59.6	5 -145		13C-PCB-188	63.1	10 -145	
13C-PCB-11	65.0	5 -145		13C-PCB-189	76.8	10 -145	
13C-PCB-9	59.8	5 -145		13C-PCB-194	80.7	10 -145	
13C-PCB-19	57.6	5 -145		13C-PCB-202	54.6	10 -145	
13C-PCB-28	64.1	5 -145		13C-PCB-206	79.9	10 -145	
13C-PCB-32	61.1	5 -145		13C-PCB-208	70.9	10 -145	
13C-PCB-37	81.0	5 -145		13C-PCB-209	76.5	10 -145	
13C-PCB-47	71.0	5 -145		CRS 13C-PCB-79	93.3	10 -145	
13C-PCB-52	72.1	5 -145		13C-PCB-178	80.8	10 -145	
13C-PCB-54	59.6	5 -145					
13C-PCB-70	76.8	5 -145					
13C-PCB-77	91.0	10 -145					
13C-PCB-80	77.6	10 -145					
13C-PCB-81	84.7	10 -145					
13C-PCB-95	71.4	10 -145					
13C-PCB-97	79.4	10 -145					
13C-PCB-101	76.2	10 -145					
13C-PCB-104	70.2	10 -145					
13C-PCB-105	104	10 -145					
13C-PCB-114	97.8	10 -145					
13C-PCB-118	89.0	10 -145					
13C-PCB-123	88.6	10 -145					
13C-PCB-126	111	10 -145					
13C-PCB-127	106	10 -145					
13C-PCB-138	85.4	10 -145					
13C-PCB-141	84.9	10 -145					
13C-PCB-153	84.5	10 -145					
13C-PCB-155	47.9	10 -145					
13C-PCB-156	90.2	10 -145					
13C-PCB-157	87.7	10 -145					
13C-PCB-159	87.0	10 -145					
13C-PCB-167	89.4	10 -145					
13C-PCB-169	90.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600562

TAT Std 21

Samples Arrival:	Date/Time <u>5/4/16 1004</u>	Initials: <u>SR</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>N/A</u>
Logged In:	Date/Time <u>5/4/16 1539</u>	Initials: <u>PAC</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>C-3</u>
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C:	<u>1.9</u> (uncorrected)	Time: <u>1006</u>	Thermometer ID: <u>IR-2</u>
Temp °C:	<u>0.6</u> (corrected)		

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>1Z 62E 3F7 01 0360</u>			
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?			✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?		<u>COC</u>	<u>None</u>
Shipping Container	Vista	<u>Client</u>	<u>Return</u>
		Retain	Dispose

Comments:

LAST CHANCE ROAD – WY2016 (PRE-OPERATIONS SAMPLE ONLY)



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 30, 2016

Page 1 of 1

Mr. Steve Patten
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862
RE: 16-05523 - Aquifer Recharge Water and Soil

Dear Mr. Steve Patten,

Your project: Aquifer Recharge Water and Soil, was received on Tuesday March 15, 2016.

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

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

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

March 30, 2016

Page 1 of 1

Case Narrative

Reference: **16-05523**

Lab Sample ID	Sample Information
12861	Last Chance - Intake

Analytical Method	Notes	Created by
SM2120 B	Sample was filtered before measurement.	RHF

Lab Sample ID	Sample Information
12862	Last Chance - GW-148

Analytical Method	Notes	Created by
SM2120 B	Sample was filtered before measurement.	RHF

Lab Sample ID	Sample Information
12865	Last Chance - GW-159

Analytical Method	Notes	Created by
SM2120 B	Sample was filtered before measurement.	RHF



Burlington, WA *Corporate Laboratory (a)*
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 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802
 Corvallis, OR *Microbiology/Chemistry (d)*
 540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
 Bend, OR *Microbiology (e)*
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

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

Reference Number: **16-05523**
 Project: Aquifer Recharge Water and Soil

Report Date: 3/30/16

Date Received: 3/15/16

Approved by: anp,bj,ckk,fm,mvp

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Last Chance - Intake Sample Date: 3/14/16 11:15 am
 Lab Number: 12861 Sample Comment: Collected By: Steven Patten

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	4.17	0.10		NTU	1.0	180.1	a	3/15/16	RHF	TURB_160315	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	3/21/16	MMH	245.1_160321	
16887-00-6	CHLORIDE	2.1	0.1	0.0043	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
14808-79-8	SULFATE	4.8	0.2	0.0087	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
NA	BICARBONATE	62.5	5.0		mg CaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CORROSIVITY	-1.30			SI	1.0	SM203	a	3/23/16	mvp	COR_160323A	
E-11712	COLOR	12 N1	5		Color Units	1.0	SM2120 B	a	3/15/16	RHF	COLOR_160315	pH: 7.5
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	3/15/16	RHF	ODOR_160315	Temperature: 40.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	128	10		mg/L	1.0	SM2540 C	a	3/16/16	MMH	TDS_160316	
E-10139	HYDROGEN ION (pH)	7.50 H5			pH Units	1.0	SM4500-H+ B	a	3/15/16	RHF	PH_160315	
14797-55-8	NITRATE-N	0.90	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	3/15/16	ANP	NO3NO2_160315	
14265-44-2	ORTHO-PHOSPHATE	0.08	0.005	0.002	mg/L	1.0	SM4500-P F	a	3/15/16	ANP	OPHOS_160315	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C	a	3/16/16	MJ	AMTE5540_160316	
7440-70-2	CALCIUM	13.7	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-89-6	IRON	0.35	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-96-5	MANGANESE	0.010	0.001	0.0002	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7440-38-2	ARSENIC	0.00015 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-39-3	BARIUM	0.017	0.001	0.00014	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-50-8	COPPER	0.0014 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7439-92-1	LEAD	0.00029 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	

Notes:

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

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

Data Report

7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW
7440-66-6	ZINC	0.0026	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW
	E. Coli	79.4	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315
	TOTAL COLIFORM	>2419.6	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315
7723-14-0	TOTAL PHOSPHORUS	0.085	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	3/17/16	ANP	TPHOS_160317

Notes:

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

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

D.F. - Dilution Factor

Data Report

Sample Description: Last Chance - GW-148										Sample Date: 3/14/16 11:55 am		
Lab Number: 12862		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	5.61	0.10		NTU	1.0	180.1	a	3/15/16	RHF	TURB_160315	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	3/21/16	MMH	245.1_160321	
16887-00-6	CHLORIDE	3.1	0.1	0.0043	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
14808-79-8	SULFATE	8.8	0.2	0.0087	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
NA	BICARBONATE	68.6	5.0		mg CaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CORROSIVITY	-1.77			SI	1.0	SM203	a	3/23/16	mvp	COR_160323A	
E-11712	COLOR	6 N1	5		Color Units	1.0	SM2120 B	a	3/15/16	RHF	COLOR_160315	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	3/15/16	RHF	ODOR_160315	Temperature: 40.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	133	10		mg/L	1.0	SM2540 C	a	3/16/16	MMH	TDS_160316	
E-10139	HYDROGEN ION (pH)	6.92 H5			pH Units	1.0	SM4500-H+ B	a	3/15/16	RHF	PH_160315	
14797-55-8	NITRATE-N	1.42	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	3/15/16	ANP	NO3NO2_160315	
14265-44-2	ORTHO-PHOSPHATE	0.07	0.005	0.002	mg/L	1.0	SM4500-P F	a	3/15/16	ANP	OPHOS_160315	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C	a	3/16/16	MJ	AMTE5540_160316	
7440-70-2	CALCIUM	16.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-89-6	IRON	0.48	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-96-5	MANGANESE	0.016	0.001	0.0002	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7440-38-2	ARSENIC	0.00024 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-39-3	BARIUM	0.016	0.001	0.00014	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-50-8	COPPER	0.0016 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7439-92-1	LEAD	0.0006	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-66-6	ZINC	0.0028	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
	TOTAL COLIFORM	27.2	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
7723-14-0	TOTAL PHOSPHORUS	0.052	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	3/30/16	ANP	TPHOS_160330	

Notes:

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

Data Report

Sample Description: Last Chance - GW-149										Sample Date: 3/14/16 1:10 pm		
Lab Number: 12863		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.49	0.10		NTU	1.0	180.1	a	3/15/16	RHF	TURB_160315	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	3/21/16	MMH	245.1_160321	
16887-00-6	CHLORIDE	6.6	0.1	0.0043	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
14808-79-8	SULFATE	16.0	0.2	0.0087	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
NA	BICARBONATE	98.6	5.0		mg CaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CORROSIVITY	-1.41			SI	1.0	SM203	a	3/23/16	mvp	COR_160323A	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	3/15/16	RHF	COLOR_160315	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	3/15/16	RHF	ODOR_160315	Temperature: 39.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	193	10		mg/L	1.0	SM2540 C	a	3/16/16	MMH	TDS_160316	
E-10139	HYDROGEN ION (pH)	6.93 H5			pH Units	1.0	SM4500-H+ B	a	3/15/16	RHF	PH_160315	
14797-55-8	NITRATE-N	2.22	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	3/15/16	ANP	NO3NO2_160315	
14265-44-2	ORTHO-PHOSPHATE	0.08	0.005	0.002	mg/L	1.0	SM4500-P F	a	3/15/16	ANP	OPHOS_160315	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C	a	3/16/16	MJ	AMTE5540_160316	
7440-70-2	CALCIUM	25.3	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-89-6	IRON	0.06	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-96-5	MANGANESE	0.002	0.001	0.0002	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7440-38-2	ARSENIC	0.00025 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-39-3	BARIUM	0.029	0.001	0.00014	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-47-3	CHROMIUM	ND	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-50-8	COPPER	0.0008 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7782-49-2	SELENIUM	0.00024 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-66-6	ZINC	0.0013 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
	TOTAL COLIFORM	1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
7723-14-0	TOTAL PHOSPHORUS	0.067	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	3/17/16	ANP	TPHOS_160317	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Last Chance - GW-158										Sample Date: 3/14/16 10:50 am		
Lab Number: 12864		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	1.47	0.10		NTU	1.0	180.1	a	3/15/16	RHF	TURB_160315	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	3/21/16	MMH	245.1_160321	
16887-00-6	CHLORIDE	2.8	0.1	0.0043	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
14808-79-8	SULFATE	7.8	0.2	0.0087	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
NA	BICARBONATE	96.3	5.0		mg CaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CORROSIVITY	-1.52			SI	1.0	SM203	a	3/23/16	mvp	COR_160323A	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	a	3/15/16	RHF	COLOR_160315	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	3/15/16	RHF	ODOR_160315	Temperature: 39.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	166	10		mg/L	1.0	SM2540 C	a	3/16/16	MMH	TDS_160316	
E-10139	HYDROGEN ION (pH)	6.93 H5			pH Units	1.0	SM4500-H+ B	a	3/15/16	RHF	PH_160315	
14797-55-8	NITRATE-N	1.60	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	3/15/16	ANP	NO3NO2_160315	
14265-44-2	ORTHO-PHOSPHATE	0.08	0.005	0.002	mg/L	1.0	SM4500-P F	a	3/15/16	ANP	OPHOS_160315	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C	a	3/16/16	MJ	AMTE5540_160316	
7440-70-2	CALCIUM	20.1	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-89-6	IRON	0.11	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-96-5	MANGANESE	0.006	0.001	0.0002	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7440-38-2	ARSENIC	0.00025 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-39-3	BARIUM	0.028	0.001	0.00014	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-47-3	CHROMIUM	0.0002 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-50-8	COPPER	0.0003 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7439-92-1	LEAD	ND	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7782-49-2	SELENIUM	ND	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-66-6	ZINC	0.0035	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
	TOTAL COLIFORM	3.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
7723-14-0	TOTAL PHOSPHORUS	0.077	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	3/17/16	ANP	TPHOS_160317	

Notes:

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 D.F. - Dilution Factor

Data Report

Sample Description: Last Chance - GW-159										Sample Date: 3/14/16 12:25 pm		
Lab Number: 12865		Sample Comment:					Collected By: Steven Patten					
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	5.04	0.10		NTU	1.0	180.1	a	3/15/16	RHF	TURB_160315	
7439-97-6	MERCURY	ND	0.0002	1.40E-05	mg/L	1.0	245.1	a	3/21/16	MMH	245.1_160321	
16887-00-6	CHLORIDE	10.7	0.1	0.0043	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
16984-48-8	FLUORIDE	ND	0.1	0.0049	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
14808-79-8	SULFATE	32.0	0.2	0.0087	mg/L	1.0	300.0	a	3/16/16	MMH	I160315A	
NA	BICARBONATE	111	5.0		mg CaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CARBONATE	ND	5.0		mgCaCO3/L	1.0	310.2	a	3/18/16	ANP	310.2_160318	
NA	CORROSIVITY	-1.25			SI	1.0	SM203	a	3/23/16	mvp	COR_160323A	
E-11712	COLOR	ND N1	5		Color Units	1.0	SM2120 B	a	3/15/16	RHF	COLOR_160315	pH: 7.0
E-11734	ODOR	ND	1		TON	1.0	SM2150	a	3/15/16	RHF	ODOR_160315	Temperature: 39.0
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	254	10		mg/L	1.0	SM2540 C	a	3/16/16	MMH	TDS_160316	
E-10139	HYDROGEN ION (pH)	6.95 H5			pH Units	1.0	SM4500-H+ B	a	3/15/16	RHF	PH_160315	
14797-55-8	NITRATE-N	3.26	0.005	0.002	mg/L	1.0	SM4500-NO3 F	a	3/15/16	ANP	NO3NO2_160315	
14265-44-2	ORTHO-PHOSPHATE	0.09	0.005	0.002	mg/L	1.0	SM4500-P F	a	3/15/16	ANP	OPHOS_160315	
NA	SURFACTANTS	ND	0.05	0.05	mg/L	1.0	SM5540 C	a	3/16/16	MJ	AMTE5540_160316	
7440-70-2	CALCIUM	32.3	0.5	0.009	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-89-6	IRON	0.54	0.050	0.0012	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7439-96-5	MANGANESE	0.009	0.001	0.0002	mg/L	1.0	200.7/3010A	a	3/16/16	BJ	200.7_160316A	
7440-38-2	ARSENIC	0.00037 J	0.0005	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-39-3	BARIUM	0.041	0.001	0.00014	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-43-9	CADMIUM	ND	0.00025	8.11E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-47-3	CHROMIUM	0.0003 J	0.001	0.00011	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-50-8	COPPER	0.0004 J	0.002	8.63E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7439-92-1	LEAD	0.00014 J	0.0005	0.00012	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7782-49-2	SELENIUM	0.00024 J	0.001	0.00022	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-22-4	SILVER	ND	0.0002	6.30E-05	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
7440-66-6	ZINC	0.0015 J	0.0025	0.00047	mg/L	1.0	200.8/3010A	a	3/16/16	MVP	200.8_160316WW	
	E. Coli	<1.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
	TOTAL COLIFORM	2.0	1		MPN/100mL	1.0	SM9223 B.2.b/Colilert-18	a	3/16/16	CLH	qt_160315	
7723-14-0	TOTAL PHOSPHORUS	0.093	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	3/17/16	ANP	TPHOS_160317	

Notes:

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 D.F. - Dilution Factor



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Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12865
Field ID: Last Chance
Sample Description: GW-159
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/16/16
Extraction Method: 3535

Report Date: 3/30/16
Date Analyzed: 3/17/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160316
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.013	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.01	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.01	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.01	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.05	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12865
Field ID: Last Chance
Sample Description: GW-159
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/18/16
Extraction Method: 3510C

Report Date: 3/30/16
Date Analyzed: 3/21/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160318
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12865
Field ID: Last Chance
Sample Description: GW-159
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/15/16
Extraction Method: 5030B

Report Date: 3/30/16
Date Analyzed: 3/15/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160315
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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DATA REPORT

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12864
Field ID: Last Chance
Sample Description: GW-158
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/16/16
Extraction Method: 3535

Report Date: 3/30/16
Date Analyzed: 3/17/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160316
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.01	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.01	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.01	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.05	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

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DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12864
Field ID: Last Chance
Sample Description: GW-158
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/18/16
Extraction Method: 3510C

Report Date: 3/30/16
Date Analyzed: 3/21/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160318
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

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DATA REPORT

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12864
Field ID: Last Chance
Sample Description: GW-158
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/15/16
Extraction Method: 5030B

Report Date: 3/30/16
Date Analyzed: 3/15/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160315
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	

Notes:

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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D.F. - Dilution Factor.



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Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

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DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12863
Field ID: Last Chance
Sample Description: GW-149
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/16/16
Extraction Method: 3535

Report Date: 3/30/16
Date Analyzed: 3/17/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160316
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	W
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	W
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	W
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	W
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	W
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	W
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	W
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	W
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.01	1.00	a	W
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	W
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	W
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	W
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.01	1.00	a	W
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	W
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00	a	W
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	W
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.01	1.00	a	W
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.01	1.00	a	W
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.03	1.00	a	W
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	W
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	W

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12863
Field ID: Last Chance
Sample Description: GW-149
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/18/16
Extraction Method: 3510C

Report Date: 3/30/16
Date Analyzed: 3/21/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160318
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

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DATA REPORT

Page 1 of 2

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Milton-Freewater, OR 97862

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12863
Field ID: Last Chance
Sample Description: GW-149
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/15/16
Extraction Method: 5030B

Report Date: 3/30/16
Date Analyzed: 3/15/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160315
Approved By: pdm,rjk

Authorized by:

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Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	

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108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12862
Field ID: Last Chance
Sample Description: GW-148
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/16/16
Extraction Method: 3535

Report Date: 3/30/16
Date Analyzed: 3/17/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160316
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.01	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.01	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.01	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

Notes:

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Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12862
Field ID: Last Chance
Sample Description: GW-148
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/18/16
Extraction Method: 3510C

Report Date: 3/30/16
Date Analyzed: 3/21/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160318
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12862
Field ID: Last Chance
Sample Description: GW-148
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/15/16
Extraction Method: 5030B

Report Date: 3/30/16
Date Analyzed: 3/15/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160315
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

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WSDOE Lab C567

DATA REPORT

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12861
Field ID: Last Chance
Sample Description: Intake
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/16/16
Extraction Method: 3535

Report Date: 3/30/16
Date Analyzed: 3/17/16
Analyst: CO
Analytical Method: 8081B
Batch: 8081B_160316
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
- Organochlorine Pesticides										
309-00-2	ALDRIN	ND		ug/L	0.05	0.05	0.01	1.00	a	
319-84-6	BHC, ALPHA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
319-85-7	BHC, BETA -	ND		ug/L	0.05	0.05	0.008	1.00	a	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.05	0.05	0.009	1.00	a	
319-86-8	BHC, DELTA -	ND		ug/L	0.05	0.05	0.006	1.00	a	
5103-71-9	ALPHA-CHLORDANE	ND		ug/L	0.05	0.05	0.02	1.00	a	
5103-74-2	GAMMA-CHLORDANE	ND		ug/L	0.05	0.05	0.007	1.00	a	
50-29-3	4,4' - DDT	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-55-9	4,4' - DDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
72-54-8	4,4' - DDD	ND		ug/L	0.05	0.05	0.01	1.00	a	
60-57-1	DIELDRIN	ND		ug/L	0.05	0.05	0.009	1.00	a	
959-98-8	ENDOSULFAN I	ND		ug/L	0.05	0.05	0.02	1.00	a	
33213-65-1	ENDOSULFAN II	ND		ug/L	0.05	0.05	0.01	1.00	a	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.05	0.05	0.009	1.00	a	
72-20-8	ENDRIN	ND		ug/L	0.05	0.1	0.009	1.00	a	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.05	0.05	0.01	1.00	a	
53494-70-1	ENDRIN KETONE	ND		ug/L	0.05	0.05	0.01	1.00	a	
76-44-8	HEPTACHLOR	ND		ug/L	0.05	0.05	0.01	1.00	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.05	0.05	0.03	1.00	a	
72-43-5	METHOXYCHLOR	ND		ug/L	0.05	0.05	0.08	1.00	a	
8001-35-2	TOXAPHENE	ND		ug/L	1	1	0.4	1.00	a	

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WSDOE Lab C567

DATA REPORT

Page 1 of 1

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12861
Field ID: Last Chance
Sample Description: Intake
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/18/16
Extraction Method: 3510C

Report Date: 3/30/16
Date Analyzed: 3/21/16
Analyst: KAH
Analytical Method: 8151A
Batch: 8151W_160318
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
50594-66-1	ACIFLUORFEN	ND		ug/L	0.1	0.1	0.06	1.00	a	
55336-06-1	TRICLOPYR	ND		ug/L	0.1	0.1	0.06	1.00	a	
94-75-7	2,4 - D	ND		ug/L	0.1	0.1	0.04	1.00	a	
94-82-6	2,4 DB	ND		ug/L	0.8	0.8	0.32	1.00	a	
93-72-1	2,4,5 - TP (SILVEX)	ND		ug/L	0.1	0.1	0.02	1.00	a	
93-76-5	2,4,5 T	ND		ug/L	0.1	0.1	0.01	1.00	a	
75-99-0	DALAPON	ND		ug/L	1.3	1.3	0.49	1.00	a	
1918-00-9	DICAMBA	ND		ug/L	0.1	0.1	0.01	1.00	a	
120-36-5	DICHLORPROP	ND		ug/L	0.1	0.1	0.09	1.00	a	
88-85-7	DINOSEB	ND		ug/L	0.1	0.1	0.03	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.04	0.04	0.02	1.00	a	
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND		ug/L	0.5	0.5	0.08	1.00	a	
25057-89-1	BENTAZON	ND		ug/L	0.5	0.5	0.08	1.00	a	
133-90-4	CHLORAMBEN	ND		ug/L	0.2	0.2	0.03	1.00	a	
1861-32-1	TOTAL DCPA	ND		ug/L	0.1	0.1	0.06	1.00	a	
1918-02-1	PICLORAM	ND		ug/L	0.2	0.2	0.04	1.00	a	

Notes:

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D.F. - Dilution Factor.

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



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

WSDOE Lab C567

DATA REPORT

Page 1 of 2

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

Reference Number: **16-05523**
Project: Aquifer Recharge Water and

Lab Number: 12861
Field ID: Last Chance
Sample Description: Intake
Matrix: Water
Sample Date: 3/14/16
Extraction Date: 3/15/16
Extraction Method: 5030B

Report Date: 3/30/16
Date Analyzed: 3/15/16
Analyst: HY
Analytical Method: 8260C
Batch: 8260W_160315
Approved By: pdm,rjk

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L		0.4	0.13	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/L		0.4	0.13	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L		0.1	0.16	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L		0.4	0.15	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L		0.4	0.08	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L		0.4	0.11	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.11	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/L		0.4	0.08	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/L		0.4	0.13	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L		1.0	0.17	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L		0.4	0.07	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/L		0.4	0.09	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/L		0.4	0.06	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/L		0.4	0.22	1.00	a	
71-43-2	BENZENE	ND		ug/L		0.4	0.16	1.00	a	
108-86-1	BROMOBENZENE	ND		ug/L		0.4	0.09	1.00	a	
74-97-5	BROMOCHLOROMETHANE	ND		ug/L		0.4	0.09	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
75-25-2	BROMOFORM	ND		ug/L		0.4	0.2	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L		0.4	0.3	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L		0.4	0.14	1.00	a	

Notes:

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D.F. - Dilution Factor.

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	Lab	COMMENT
108-90-7	CHLOROBENZENE	ND		ug/L		0.4	0.1	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L		0.4	0.29	1.00	a	
67-66-3	CHLOROFORM	ND		ug/L		0.4	0.09	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L		0.4	0.1	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-01-1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.06	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	ND		ug/L		0.4	0.13	1.00	a	
74-95-3	DIBROMOMETHANE	ND		ug/L		0.4	0.15	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L		0.4	0.23	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L		0.4	0.09	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L		0.4	0.16	1.00	a	
98-82-8	ISOPROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
1330-20-7	M,P- XYLENE	ND		ug/L		0.4	0.21	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/L		1.0	0.1	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L		0.4	0.28	1.00	a	
104-51-8	N - BUTYLBENZENE	ND		ug/L		0.4	0.11	1.00	a	
103-65-1	N - PROPYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L		1.0	0.15	1.00	a	
95-49-8	O - CHLOROTOLUENE	ND		ug/L		0.4	0.08	1.00	a	
95-47-6	O - XYLENE	ND		ug/L		0.4	0.1	1.00	a	
106-43-4	P - CHLOROTOLUENE	ND		ug/L		0.4	0.11	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/L		0.4	0.1	1.00	a	
135-98-8	SEC - BUTYLBENZENE	ND		ug/L		0.4	0.13	1.00	a	
100-42-5	STYRENE	ND		ug/L		0.4	0.07	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	ND		ug/L		0.4	0.12	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L		0.4	0.14	1.00	a	
108-88-3	TOLUENE	ND		ug/L		0.4	0.12	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L		0.4	0.14	1.00	a	
10061-02-1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L		0.4	0.11	1.00	a	
79-01-6	TRICHLOROETHENE	ND		ug/L		0.4	0.09	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L		0.4	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L		0.4	0.13	1.00	a	

Notes:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160316A	2 CALCIUM	10.2	11	mg/L	200.7	93	90-110	CAL	
	2 IRON	1.01	1	mg/L	200.7	101	90-110	CAL	
	2 MANGANESE	1.04	1	mg/L	200.7	104	90-110	CAL	
200.8_160316WW	0 ARSENIC	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 BARIUM	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
	0 CADMIUM	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 CHROMIUM	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	0 COPPER	0.00106	0.001	mg/L	200.8	106	80-120	CAL	
	0 LEAD	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 SELENIUM	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 SILVER	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 ZINC	0.00103	0.001	mg/L	200.8	103	80-120	CAL	
245.1_160321	0 MERCURY	0.00203	0.00200	mg/L	245.1	102	95-105	CAL	
	1 MERCURY	0.000191	0.000200	mg/L	245.1	96	95-105	CAL	MRL
1160315A	0 CHLORIDE	1.0	1	mg/L	300.0	100	90-110	CAL	
	0 FLUORIDE	0.97	1	mg/L	300.0	97	90-110	CAL	
	0 SULFATE	1.9	2	mg/L	300.0	95	90-110	CAL	
OPHOS_160315	0 ORTHO-PHOSPHATE	1.03	1.00	mg/L	SM4500-P F	103	85-115	CAL	
pH_160315	0 HYDROGEN ION (pH)	7.98	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
	0 HYDROGEN ION (pH)	7.99	8.00	pH Units	SM4500-H+ B	100	80-120	CAL	
TPHOS_160317	0 TOTAL PHOSPHORUS	0.105	0.100	mg/L	SM4500-P F	105	85-115	CAL	
TPHOS_160330	0 TOTAL PHOSPHORUS	0.102	0.100	mg/L	SM4500-P F	102	85-115	CAL	
TURB_160315	0 TURBIDITY	10.0	10.0	NTU	180.1	100	80-120	CAL	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
200.7_160316A	0 CALCIUM	12.6	13	mg/L	200.7	97	85-115	LFB	
	0 IRON	0.51	0.5	mg/L	200.7	102	85-115	LFB	
	0 MANGANESE	0.51	0.5	mg/L	200.7	102	85-115	LFB	
200.8_160316WV	0 ARSENIC	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 BARIUM	0.027	0.025	mg/L	200.8	108	85-115	LFB	
	0 CADMIUM	0.025	0.025	mg/L	200.8	100	85-115	LFB	
	0 CHROMIUM	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 COPPER	0.027	0.025	mg/L	200.8	108	85-115	LFB	
	0 LEAD	0.026	0.025	mg/L	200.8	104	85-115	LFB	
	0 SELENIUM	0.023	0.025	mg/L	200.8	92	85-115	LFB	
	0 SILVER	0.0126	0.0125	mg/L	200.8	101	85-115	LFB	
	0 ZINC	0.024	0.025	mg/L	200.8	96	85-115	LFB	
245.1_160321	0 MERCURY	0.00170	0.00167	mg/L	245.1	102	90-110	LFB	
8151W_160318	0 2,4 - D	2.1	2	ug/L	8151A	105	60-120	LFB	
	0 2,4 DB	9.8	8	ug/L	8151A	123	49-136	LFB	
	0 2,4,5 - TP (SILVEX)	1.1	1	ug/L	8151A	110	68-122	LFB	
	0 2,4,5 T	1	1	ug/L	8151A	100	62-128	LFB	
	0 ACIFLUORFEN	0.76	1	ug/L	8151A	76	65-125	LFB	
	0 BENTAZON	2	2	ug/L	8151A	100	67-121	LFB	
	0 DALAPON	12.9	13	ug/L	8151A	99	53-142	LFB	
	0 DICAMBA	1	1	ug/L	8151A	100	66-126	LFB	
	0 DICHLORPROP	3.1	3	ug/L	8151A	103	63-123	LFB	
	0 DINOSEB	1.6	2	ug/L	8151A	80	73-127	LFB	
	0 PENTACHLOROPHENOL	1	1	ug/L	8151A	100	69-123	LFB	
	0 PICLORAM	0.8	1	ug/L	8151A	80	48-114	LFB	
	0 TOTAL DCPA	0.52	1	ug/L	8151A	52	48-168	LFB	
	0 TRICLOPYR	1	1	ug/L	8151A	100	70-130	LFB	
8260W_160315	0 1,1 - DICHLOROETHANE	4.5	4	ug/L	8260C	113	70-130	LFB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True		Method	%	Recovery	Limits*	QC	
			Value	Units					Qualifier	Type
8260W_160315	0 1,1 - DICHLOROETHYLENE	4.6	4	ug/L	8260C	115	70-130	LFB		
	0 1,1 - DICHLOROPROPENE	4.5	4	ug/L	8260C	113	70-130	LFB		
	0 1,1,1 - TRICHLOROETHANE	4.6	4	ug/L	8260C	115	70-130	LFB		
	0 1,1,1,2 - TETRACHLOROETHANE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 1,1,2 - TRICHLOROETHANE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 1,1,2,2 - TETRACHLOROETHANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 1,2 - DICHLOROBENZENE (ortho)	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 1,2 - DICHLOROETHANE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 1,2 - DICHLOROPROPANE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,2,3 - TRICHLOROBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,2,3 - TRICHLOROPROPANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 1,2,4 - TRICHLOROBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,2,4 - TRIMETHYLBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,2-DIBROMO-3-CHLOROPROPANE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 1,3 - DICHLOROBENZENE (meta)	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,3 - DICHLOROPROPANE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,3,5 - TRIMETHYLBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 1,4 - DICHLOROBENZENE (para)	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 2,2 - DICHLOROPROPANE	4.8	4	ug/L	8260C	120	70-130	LFB		
	0 BENZENE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 BROMOBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 BROMOCHLOROMETHANE	4.7	4	ug/L	8260C	118	70-130	LFB		
	0 BROMODICHLOROMETHANE	3.9	4	ug/L	8260C	98	70-130	LFB		
	0 BROMOFORM	3.7	4	ug/L	8260C	93	70-130	LFB		
	0 BROMOMETHANE	4.8	4	ug/L	8260C	120	70-130	LFB		
	0 CARBON TETRACHLORIDE	4.7	4	ug/L	8260C	118	70-130	LFB		
	0 CHLOROBENZENE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 CHLOROETHANE	3.5	4	ug/L	8260C	88	70-130	LFB		
	0 CHLOROFORM	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 CHLOROMETHANE	4.8	4	ug/L	8260C	120	70-130	LFB		
	0 CIS - 1,2 - DICHLOROETHENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 CIS - 1,3 - DICHLOROPROPENE	4.4	4	ug/L	8260C	110	70-130	LFB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True		Method	%	Recovery	Limits*	QC	
			Value	Units					Qualifier	Type
8260W_160315	0 DIBROMOCHLOROMETHANE	4.0	4	ug/L	8260C	100	70-130	LFB		
	0 DIBROMOMETHANE	4.5	4	ug/L	8260C	113	70-130	LFB		
	0 DICHLORODIFLUOROMETHANE	5.2	4	ug/L	8260C	130	70-130	LFB		
	0 ETHYLBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 HEXACHLOROBUTADIENE	4.6	4	ug/L	8260C	115	70-130	LFB		
	0 ISOPROPYLBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 M,P- XYLENE	8.7	8	ug/L	8260C	109	70-130	LFB		
	0 METHYL TERT-BUTYL ETHER	4.8	4	ug/L	8260C	120	70-130	LFB		
	0 METHYLENE CHLORIDE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 N - BUTYLBENZENE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 N - PROPYLBENZENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 NAPHTHALENE	4.2	4	ug/L	8260C	105	70-130	LFB		
	0 O - CHLOROTOLUENE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 O - XYLENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 P - CHLOROTOLUENE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 P - ISOPROPYLTOLUENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 SEC - BUTYLBENZENE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 STYRENE	4.1	4	ug/L	8260C	103	70-130	LFB		
	0 TERT - BUTYLBENZENE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 TETRACHLOROETHYLENE	4.8	4	ug/L	8260C	120	70-130	LFB		
	0 TOLUENE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 TRANS - 1,2 - DICHLOROETHENE	4.5	4	ug/L	8260C	113	70-130	LFB		
	0 TRANS - 1,3 - DICHLOROPROPENE	4.3	4	ug/L	8260C	108	70-130	LFB		
	0 TRICHLOROETHENE	4.4	4	ug/L	8260C	110	70-130	LFB		
	0 TRICHLOROFLUOROMETHANE	4.6	4	ug/L	8260C	115	70-130	LFB		
	0 VINYL CHLORIDE	4.6	4	ug/L	8260C	115	70-130	LFB		

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160316A	0 CALCIUM	ND		mg/L	200.7		0-0	LRB	
	0 IRON	ND		mg/L	200.7		0-0	LRB	
	0 MANGANESE	ND		mg/L	200.7		0-0	LRB	
200.8_160316WW	0 ARSENIC	ND		mg/L	200.8		0-0	LRB	
	0 BARIUM	ND		mg/L	200.8		0-0	LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0	LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	LRB	
	0 COPPER	ND		mg/L	200.8		0-0	LRB	
	0 LEAD	ND		mg/L	200.8		0-0	LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0	LRB	
	0 SILVER	ND		mg/L	200.8		0-0	LRB	
	0 ZINC	ND		mg/L	200.8		0-0	LRB	
245.1_160321	0 MERCURY	ND		mg/L	245.1		0-0	LRB	
I160315A	0 CHLORIDE	ND		mg/L	300.0		0-0	LRB	
	0 FLUORIDE	ND		mg/L	300.0		0-0	LRB	
	0 SULFATE	ND		mg/L	300.0		0-0	LRB	
OPHOS_160315	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160317	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	
TPHOS_160330	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	LRB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
200.7_160316A	0 CALCIUM	ND		mg/L	200.7		0-0	MB	
	0 IRON	ND		mg/L	200.7		0-0	MB	
	0 MANGANESE	ND		mg/L	200.7		0-0	MB	
200.8_160316WV	0 ARSENIC	ND		mg/L	200.8		0-0	MB	
	0 BARIUM	ND		mg/L	200.8		0-0	MB	
	0 CADMIUM	ND		mg/L	200.8		0-0	MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0	MB	
	0 COPPER	ND		mg/L	200.8		0-0	MB	
	0 LEAD	ND		mg/L	200.8		0-0	MB	
	0 SELENIUM	ND		mg/L	200.8		0-0	MB	
	0 SILVER	ND		mg/L	200.8		0-0	MB	
	0 ZINC	ND		mg/L	200.8		0-0	MB	
8151W_160318	0 2,4 - D	ND		ug/L	8151A		0-0	MB	
	0 2,4 DB	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 - TP (SILVEX)	ND		ug/L	8151A		0-0	MB	
	0 2,4,5 T	ND		ug/L	8151A		0-0	MB	
	0 ACIFLUORFEN	ND		ug/L	8151A		0-0	MB	
	0 BENTAZON	ND		ug/L	8151A		0-0	MB	
	0 DALAPON	ND		ug/L	8151A		0-0	MB	
	0 DICAMBA	ND		ug/L	8151A		0-0	MB	
	0 DICHLORPROP	ND		ug/L	8151A		0-0	MB	
	0 DINOSEB	ND		ug/L	8151A		0-0	MB	
	0 PENTACHLOROPHENOL	ND		ug/L	8151A		0-0	MB	
	0 PICLORAM	ND		ug/L	8151A		0-0	MB	
	0 TOTAL DCPA	ND		ug/L	8151A		0-0	MB	
	0 TRICLOPYR	ND		ug/L	8151A		0-0	MB	
8260W_160315	0 1,1 - DICHLOROETHANE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 1,1 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-05523

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160315	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2 - DICHLOROETHANE (ortho)	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2 - DICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2,3 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2,4 - TRICHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,3 - DICHLOROETHANE (meta)	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,3 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 1,4 - DICHLOROETHANE (para)	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 2,2 - DICHLOROPROPANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 BENZENE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 BROMOBENZENE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 BROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 BROMODICHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 BROMOFORM	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 BROMOMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CARBON TETRACHLORIDE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CHLOROETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CHLOROFORM	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 DIBROMOCHLOROMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523
	0 DIBROMOMETHANE	ND		ug/L	8260C	0-0		MB	TB 16-05523

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
8260W_160315	0 DICHLORODIFLUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 ETHYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 HEXACHLOROBUTADIENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 ISOPROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 M,P- XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 METHYL TERT-BUTYL ETHER	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 METHYLENE CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 N - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 N - PROPYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 NAPHTHALENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 O - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 O - XYLENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 P - CHLOROTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 P - ISOPROPYLTOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 SEC - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 STYRENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 TERT - BUTYLBENZENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 TETRACHLOROETHYLENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 TOLUENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
	0 TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-05523
0 TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260C		0-0	MB	TB 16-05523	
0 TRICHLOROETHENE	ND		ug/L	8260C		0-0	MB	TB 16-05523	
0 TRICHLOROFLUOROMETHANE	ND		ug/L	8260C		0-0	MB	TB 16-05523	
0 VINYL CHLORIDE	ND		ug/L	8260C		0-0	MB	TB 16-05523	
OPHOS_160315	0 ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0-0	MB	
TDS_160316	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3	MB	
TPHOS_160317	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	
TPHOS_160330	0 TOTAL PHOSPHORUS	ND		mg/L	SM4500-P F		0-0	MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC	Comment
TURB_160315	0 TURBIDITY	ND		NTU	180.1		0-0		MB	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **16-05523**

Report Date: 03/30/16

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	QC Comment
200.7_160316A	0 IRON	2.08	2	mg/L	200.7	104	95-105	QCS	
	0 MANGANESE	2.03	2	mg/L	200.7	102	95-105	QCS	
	1 CALCIUM	19.4	20	mg/L	200.7	97	95-105	QCS	
200.8_160316WW	0 ARSENIC	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 BARIUM	0.041	0.040	mg/L	200.8	103	90-110	QCS	
	0 CADMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 CHROMIUM	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 COPPER	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 LEAD	0.040	0.040	mg/L	200.8	100	90-110	QCS	
	0 SELENIUM	0.042	0.040	mg/L	200.8	105	90-110	QCS	
	0 SILVER	0.019	0.020	mg/L	200.8	95	90-110	QCS	
	0 ZINC	0.042	0.040	mg/L	200.8	105	90-110	QCS	
245.1_160321	0 MERCURY	0.00278	0.00265	mg/L	245.1	105	90-110	QCS	
I160315A	0 CHLORIDE	5.7	6	mg/L	300.0	95	90-110	QCS	
	0 FLUORIDE	3.76	4	mg/L	300.0	94	90-110	QCS	
	0 SULFATE	28.7	30	mg/L	300.0	96	90-110	QCS	
OPHOS_160315	0 ORTHO-PHOSPHATE	0.47	0.50	mg/L	SM4500-P F	94	90-110	QCS	
TDS_160316	0 TOTAL DISSOLVED SOLIDS (TDS)	524	500	mg/L	SM2540 C	105	80-120	QCS	
TPHOS_160317	0 TOTAL PHOSPHORUS	0.036	0.036	mg/L	SM4500-P F	100	90-110	QCS	
TPHOS_160330	0 TOTAL PHOSPHORUS	0.036	0.036	mg/L	SM4500-P F	100	90-110	QCS	
TURB_160315	0 TURBIDITY	1.00	1.00	NTU	180.1	100	80-120	QCS	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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



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

Batch	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	
				Result					Qualifier	Type
Duplicate										
200.7_160316A										
	12864	IRON	0.11	0.11		mg/L	0.0	0-20		DUP
	12864	MANGANESE	0.006	0.006		mg/L	0.0	0-20		DUP
	12864	CALCIUM	20.1	21.2		mg/L	5.3	0-20		DUP
200.8_160316WW										
	11211	COPPER	ND	ND		ug/L	NA	0-20		DUP
	12428	ARSENIC	8.9	9.0		ug/L	1.1	0-20		DUP
	12428	CADMIUM	0.323	0.335		ug/L	3.6	0-20		DUP
	12428	CHROMIUM	1.17	1.12		ug/L	4.4	0-20		DUP
	12428	COPPER	3.9	4.1		ug/L	5.0	0-20		DUP
	12428	LEAD	0.6	0.5		ug/L	18.2	0-20		DUP
	12428	SELENIUM	3.05	3.3		ug/L	7.9	0-20		DUP
	12428	SILVER	ND	ND		ug/L	NA	0-20		DUP
	12428	ZINC	25	26		ug/L	3.9	0-20		DUP
	12864	ARSENIC	0.00025	0.00023		mg/L	8.3	0-20		DUP
	12864	BARIUM	0.028	0.029		mg/L	3.5	0-20		DUP
	12864	CADMIUM	ND	ND		mg/L	NA	0-20		DUP
	12864	CHROMIUM	0.0002	0.0002		mg/L	0.0	0-20		DUP
	12864	COPPER	0.0003	0.0004		mg/L	28.6	0-20	IEV	DUP
	12864	LEAD	ND	ND		mg/L	NA	0-20		DUP
	12864	SELENIUM	ND	ND		mg/L	NA	0-20		DUP
	12864	SILVER	ND	ND		mg/L	NA	0-20		DUP
	12864	ZINC	0.0035	0.0029		mg/L	18.8	0-20		DUP
	13069	LEAD	0.515	0.511		mg/L	0.8	0-20		DUP
245.1_160321										

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
	12985	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
	13164	MERCURY	ND	ND	mg/L	NA	0-20		DUP	
310.2_160318										
	12861	BICARBONATE	62.5	63.4	mg CaCO3/l	1.4	0-20		DUP	
8151W_160318										
	12861	2,4 - D	ND	ND	ug/L	NA	0-35		DUP	
	12861	2,4 DB	ND	ND	ug/L	NA	0-35		DUP	
	12861	2,4,5 - TP (SILVEX)	ND	ND	ug/L	NA	0-35		DUP	
	12861	2,4,5 T	ND	ND	ug/L	NA	0-35		DUP	
	12861	3,5 - DICHLOROBENZOIC ACID	ND	ND	ug/L	NA	0-35		DUP	
	12861	ACIFLUORFEN	ND	ND	ug/L	NA	0-35		DUP	
	12861	BENTAZON	ND	ND	ug/L	NA	0-35		DUP	
	12861	CHLORAMBEN	ND		ug/L		0-35		DUP	
	12861	DALAPON	ND	ND	ug/L	NA	0-35		DUP	
	12861	DICAMBA	ND	ND	ug/L	NA	0-35		DUP	
	12861	DICHLORPROP	ND	ND	ug/L	NA	0-35		DUP	
	12861	DINOSEB	ND	ND	ug/L	NA	0-35		DUP	
	12861	PENTACHLOROPHENOL	ND	ND	ug/L	NA	0-35		DUP	
	12861	PICLORAM	ND	ND	ug/L	NA	0-35		DUP	
	12861	TOTAL DCPA	ND	ND	ug/L	NA	0-35		DUP	
	12861	TRICLOPYR	ND	ND	ug/L	NA	0-35		DUP	
COLOR_160315										
	12861	COLOR	12	12	Color Units	0.0	0-20		DUP	
I160315A										
	12899	FLUORIDE	0.11	0.11	mg/L	0.0	0-20		DUP	
	12985	CHLORIDE	3.3	3.3	mg/L	0.0	0-20		DUP	
	12985	FLUORIDE	0.10	0.11	mg/L	9.5	0-20		DUP	
NO3NO2_160315										
	12861	NITRATE-N	0.90	0.90	mg/L	0.0	0-20		DUP	
OPHOS_160315										
	12861	ORTHO-PHOSPHATE	0.08	0.08	mg/L	0.0	0-20		DUP	
PH_160315										
	12861	HYDROGEN ION (pH)	7.50	7.53	pH Units	0.4	0-45		DUP	
	13130	HYDROGEN ION (pH)	7.72	7.69	pH Units	0.4	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate	Units	%RPD	Limits	QC		
				Result				Qualifier	Type	Comments
TDS_160316										
	12722	TOTAL DISSOLVED SOLIDS (TDS)	221	223	mg/L	0.9	0-10		DUP	
TPHOS_160317										
	12861	TOTAL PHOSPHORUS	0.085	0.085	mg/L	0.0	0-20		DUP	
TPHOS_160330										
	12862	TOTAL PHOSPHORUS	0.052	0.053	mg/L	1.9	0-20		DUP	
	14080	TOTAL PHOSPHORUS	0.113	0.122	mg/L	7.7	0-20		DUP	
	14081	TOTAL PHOSPHORUS	0.186	0.171	mg/L	8.4	0-20		DUP	
	14088	TOTAL PHOSPHORUS	0.010	0.011	mg/L	9.5	0-20		DUP	
	14338	TOTAL PHOSPHORUS	0.039	0.038	mg/L	2.6	0-20		DUP	
	14624	TOTAL PHOSPHORUS	0.158	0.162	mg/L	2.5	0-20		DUP	
TURB_160315										
	12720	TURBIDITY	0.78	0.75	NTU	3.9	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

FORM: QC Dependent.rpt

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
Laboratory Fortified Matrix (MS)															
200.7_160316A															
	12864	IRON	0.11	0.136		0.025	mg/L	104		70-130	NA	0-20			LFM
	12864	MANGANESE	0.006	0.032		0.025	mg/L	104		70-130	NA	0-20			LFM
200.8_160316WW															
	11211	COPPER	ND	0.028		0.025	ug/L	112		70-130	NA	0-20			LFM
	12428	ARSENIC	8.9	34		25	ug/L	100		70-130	NA	0-20			LFM
	12428	CADMIUM	0.323	25.6		25	ug/L	101		70-130	NA	0-20			LFM
	12428	CHROMIUM	1.17	27		25	ug/L	103		70-130	NA	0-20			LFM
	12428	COPPER	3.9	30		25	ug/L	104		70-130	NA	0-20			LFM
	12428	LEAD	0.6	24		25	ug/L	94		70-130	NA	0-20			LFM
	12428	SELENIUM	3.05	26		25	ug/L	92		70-130	NA	0-20			LFM
	12428	SILVER	ND	11.7		12.5	ug/L	94		70-130	NA	0-20			LFM
	12428	ZINC	25	48		25	ug/L	92		70-130	NA	0-20			LFM
	12864	ARSENIC	0.00025	0.0244		0.025	mg/L	97		70-130	NA	0-20			LFM
	12864	BARIIUM	0.028	0.056		0.025	mg/L	112		70-130	NA	0-20			LFM
	12864	CADMIUM	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	12864	CHROMIUM	0.0002	0.025		0.025	mg/L	99		70-130	NA	0-20			LFM
	12864	COPPER	0.0003	0.028		0.025	mg/L	111		70-130	NA	0-20			LFM
	12864	LEAD	ND	0.025		0.025	mg/L	100		70-130	NA	0-20			LFM
	12864	SELENIUM	ND	0.0223		0.025	mg/L	89		70-130	NA	0-20			LFM
	12864	SILVER	ND	0.0122		0.0125	mg/L	98		70-130	NA	0-20			LFM
	12864	ZINC	0.0035	0.028		0.025	mg/L	98		70-130	NA	0-20			LFM
	13069	LEAD	0.515	0.531		0.531	mg/L	3		70-130	NA	0-20	IS		LFM
245.1_160321															
	12985	MERCURY	ND	0.00174	0.00177	0.00167	mg/L	104	106	70-130	1.7	0-20			LFM
	13164	MERCURY	ND	0.00176	0.00176	0.00167	mg/L	105	105	70-130	0.0	0-20			LFM
310.2_160318															
	12861	BICARBONATE	62.5	314	315	250	mg CaCO3/101	101		70-130	0.4	0-20			LFM
8151W_160318															
	12865	2,4 - D	ND	2		2	ug/L	100	NA	60-120	NA	0-20			LFM
	12865	2,4 DB	ND	5.2		8	ug/L	65	NA	49-134	NA	0-20			LFM
	12865	2,4,5 - TP (SILVEX)	ND	1		1	ug/L	100	NA	68-122	NA	0-20			LFM
	12865	2,4,5 T	ND	1		1	ug/L	100	NA	62-128	NA	0-20			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Batch	Sample	Analyte	Result	Duplicate		Spike Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		Comments
				Spike Result	Spike Result			MS	MSD				Qualifier	Type	
	12865	ACIFLUORFEN	ND	0.79		1	ug/L	79	NA	65-125	NA	0-20			LFM
	12865	BENTAZON	ND	1.9		2	ug/L	95	NA	67-121	NA	0-20			LFM
	12865	DALAPON	ND	12.9		13	ug/L	99	NA	53-421	NA	0-20			LFM
	12865	DICAMBA	ND	1		1	ug/L	100	NA	66-126	NA	0-20			LFM
	12865	DICHLORPROP	ND	3		3	ug/L	100	NA	63-123	NA	0-20			LFM
	12865	DINOSEB	ND	1.8		2	ug/L	90	NA	73-127	NA	0-20			LFM
	12865	PENTACHLOROPHENOL	ND	1		1	ug/L	100	NA	69-123	NA	0-20			LFM
	12865	PICLORAM	ND	0.91		1	ug/L	91	NA	48-114	NA	0-20			LFM
	12865	TOTAL DCPA	ND	0.82		1	ug/L	82	NA	48-168	NA	0-20			LFM
	12865	TRICLOPYR	ND	1		1	ug/L	100	NA	70-130	NA	0-20			LFM
I160315A															
	12899	FLUORIDE	0.11	1.05		1	mg/L	94	NA	90-110	NA	0-20			LFM
	12985	CHLORIDE	3.3	4.2		1	mg/L	90	NA	90-110	NA	0-20			LFM
	12985	FLUORIDE	0.10	1.08		1	mg/L	98	NA	90-110	NA	0-20			LFM
NO3NO2_160315															
	12861	NITRATE-N	0.90	1.44	1.44	0.5	mg/L	108	108	80-120	0.0	0-20			LFM
OPHOS_160315															
	12861	ORTHO-PHOSPHATE	0.08	1.03	1.04	1.00	mg/L	95	96	70-130	1.0	0-20			LFM
TPHOS_160317															
	12861	TOTAL PHOSPHORUS	0.085	0.130	0.134	0.050	mg/L	90	98	70-130	8.5	0-20			LFM
TPHOS_160330															
	12862	TOTAL PHOSPHORUS	0.052	0.108	0.106	0.050	mg/L	112	108	70-130	3.6	0-20			LFM
	14080	TOTAL PHOSPHORUS	0.113	0.166	0.164	0.050	mg/L	106	102	70-130	3.8	0-20			LFM
	14081	TOTAL PHOSPHORUS	0.186	0.209	0.195	0.050	mg/L	46	18	70-130	87.5	0-20	INH		LFM
	14088	TOTAL PHOSPHORUS	0.010	0.061	0.068	0.050	mg/L	102	116	70-130	12.8	0-20			LFM
	14338	TOTAL PHOSPHORUS	0.039	0.098	0.094	0.050	mg/L	118	110	70-130	7.0	0-20			LFM
	14624	TOTAL PHOSPHORUS	0.158	0.195	0.203	0.050	mg/L	74	90	70-130	19.5	0-20			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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

Only Duplicate sample with detections are listed in this report

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

Qualifier Definitions

Reference Number: 16-05523

Report Date: 03/30/16

Qualifier	Definition
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
IEV	Acceptance criteria do not apply to estimated values
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.
N1	See case narrative.

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

Report to: Walla Walla Basin Watershed Cour	Bill to: Walla Walla Basin Watershed Council	Ref #	For Lab Use Only
Ship Address: 810 S Main Street	Address: 810 South Main Street	Check Regulatory Program	<input type="checkbox"/> Safe Drinking Water Act
City: Milton-Freewe St OR Zip: 97862	City: Milton-Freewe St OR Zip: 97862	<input type="checkbox"/> Clean Water Act	<input type="checkbox"/> RCRA / CERCLA
Attn: Steven Patten	Phone: P.O.#:	<input type="checkbox"/> Other	
Phone: 541.938-2170 FAX:	Attn: Steven Patten		
Email: steven.patten@wwbwc.org	<input type="checkbox"/> Visa <input type="checkbox"/> M/C <input type="checkbox"/> A/E <input type="checkbox"/> Expire		
Project: Aquifer Recharge Water and Soil 2016	Card#:		

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

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

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

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	Turn Around Time Required		Analyses Requested										Total Containers	Conditions on Review
						Standard	Half-time (50% surcharge)	8081A Soil	8081A - Water	8151	8260	Foaming Agents	Inorganics	Metals	NO3, Total P in Soil				
1	LAST CHARGE						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	INTAKE	G	SW	3-14/16	11:15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3	GW-148	G	GW		11:55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	GW-149	G	GW		13:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5	GW-158	G	GW		10:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
6	GW-159	G	GW		12:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sampled by: Steven Patten Phone: 541-938-2170 FAX: SAME Email: steven.patten@wwbwc.org

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

Relinquished by: <i>[Signature]</i>	Date: 3/14/16	Time: 14:00	Received by: UPS	Date: 3-15-16	Time: 0915
-------------------------------------	---------------	-------------	------------------	---------------	------------

Chain of custody & labels agree Yes No N/A

Custody seals intact Yes No N/A

Sample temp 1.0 C satisfactory Yes No N/A

Samples received intact Yes No N/A

Water 1: 1.0°C
 Water 2: 0.8°C
 Water 3: 2.1°C

Containers

CO028018

16-05523

12861 - 12865



April 20, 2016

Vista Work Order No. 1600291

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

Dear Mr. Patten,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 15, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'Last Chance Road'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1600291

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1668C

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

Holding Times

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

Quality Control

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

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

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1600291-01	INTAKE	14-Mar-16 11:15	15-Mar-16 10:05	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600291-02	GW-148	14-Mar-16 11:55	15-Mar-16 10:05	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600291-03	GW-149	14-Mar-16 13:10	15-Mar-16 10:05	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600291-04	GW-158	14-Mar-16 10:50	15-Mar-16 10:05	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
1600291-05	GW-159	14-Mar-16 12:25	15-Mar-16 10:05	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6C0129	Lab Sample: B6C0129-BLK1
Sample Size: 1.00 L	Date Extracted: 21-Mar-2016 8:04	Date Analyzed: 28-Mar-16 19:47 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	0.441			PCB-44	ND	0.564		
PCB-2	ND	0.452			PCB-45	ND	0.484		
PCB-3	ND	0.451			PCB-46	ND	0.531		
PCB-4/10	ND	5.17			PCB-47	ND	0.410		
PCB-5/8	ND	4.36			PCB-48/75	ND	0.370		
PCB-6	ND	4.47			PCB-50	ND	0.509		
PCB-7/9	ND	4.42			PCB-51	ND	0.434		
PCB-11	ND	4.33			PCB-52/69	ND	0.390		
PCB-12/13	ND	4.38			PCB-53	ND	0.443		
PCB-14	ND	3.78			PCB-54	ND	0.387		
PCB-15	ND	3.85			PCB-55	ND	0.298		
PCB-16/32	ND	0.499			PCB-56/60	ND	0.331		
PCB-17	ND	0.546			PCB-57	ND	0.327		
PCB-18	ND	0.590			PCB-58	ND	0.322		
PCB-19	ND	0.592			PCB-61/70	ND	0.325		
PCB-20/21/33	ND	0.345			PCB-62	ND	0.361		
PCB-22	ND	0.343			PCB-63	ND	0.314		
PCB-23	ND	0.330			PCB-65	ND	0.373		
PCB-24/27	ND	0.403			PCB-66/76	ND	0.310		
PCB-25	ND	0.363			PCB-67	ND	0.335		
PCB-26	ND	0.322			PCB-68	ND	0.305		
PCB-28	ND	0.323			PCB-73	ND	0.357		
PCB-29	ND	0.330			PCB-74	ND	0.302		
PCB-30	ND	0.374			PCB-77	ND	0.325		
PCB-31	ND	0.319			PCB-78	ND	0.326		
PCB-34	ND	0.307			PCB-79	ND	0.316		
PCB-35	ND	0.331			PCB-80	ND	0.277		
PCB-36	ND	0.320			PCB-81	ND	0.298		
PCB-37	ND	0.309			PCB-82	ND	0.828		
PCB-38	ND	0.335			PCB-83	ND	0.506		
PCB-39	ND	0.330			PCB-84/92	ND	0.683		
PCB-40	ND	0.572			PCB-85/116	ND	0.604		
PCB-41/64/71/72	ND	0.367			PCB-86	ND	0.813		
PCB-42/59	ND	0.397			PCB-87/117/125	ND	0.528		
PCB-43/49	ND	0.442			PCB-88/91	ND	0.744		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank**EPA Method 1668C**Matrix: Aqueous
Sample Size: 1.00 LQC Batch: B6C0129
Date Extracted: 21-Mar-2016 8:04Lab Sample: B6C0129-BLK1
Date Analyzed: 28-Mar-16 19:47 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.734			PCB-136	ND	0.426		
PCB-90/101	ND	0.606			PCB-137	ND	0.342		
PCB-93	ND	0.787			PCB-138/163/164	ND	0.290		
PCB-94	ND	0.740			PCB-139/149	ND	0.558		
PCB-95/98/102	ND	0.649			PCB-140	ND	0.626		
PCB-96	ND	0.596			PCB-141	ND	0.348		
PCB-97	ND	0.647			PCB-144	ND	0.568		
PCB-99	ND	0.585			PCB-145	ND	0.445		
PCB-100	ND	0.676			PCB-146/165	ND	0.355		
PCB-103	ND	0.673			PCB-147	ND	0.624		
PCB-104	ND	0.516			PCB-148	ND	0.595		
PCB-105	ND	0.232			PCB-150	ND	0.431		
PCB-106/118	ND	0.504			PCB-151	ND	0.595		
PCB-107/109	ND	0.461			PCB-152	ND	0.416		
PCB-108/112	ND	0.598			PCB-153	ND	0.321		
PCB-110	ND	0.494			PCB-154	ND	0.547		
PCB-111/115	ND	0.453			PCB-155	ND	0.406		
PCB-113	ND	0.546			PCB-156	ND	0.281		
PCB-114	ND	0.237			PCB-157	ND	0.282		
PCB-119	ND	0.447			PCB-158/160	ND	0.271		
PCB-120	ND	0.423			PCB-159	ND	0.276		
PCB-121	ND	0.475			PCB-166	ND	0.295		
PCB-122	ND	0.282			PCB-167	ND	0.279		
PCB-123	ND	0.492			PCB-168	ND	0.283		
PCB-124	ND	0.472			PCB-169	ND	0.355		
PCB-126	ND	0.295			PCB-170	ND	0.511		
PCB-127	ND	0.259			PCB-171	ND	0.495		
PCB-128/162	ND	0.326			PCB-172	ND	0.532		
PCB-129	ND	0.404			PCB-173	ND	0.652		
PCB-130	ND	0.438			PCB-174	ND	0.559		
PCB-131	ND	0.454			PCB-175	ND	0.579		
PCB-132/161	ND	0.343			PCB-176	ND	0.416		
PCB-133/142	ND	0.422			PCB-177	ND	0.568		
PCB-134/143	ND	0.412			PCB-178	ND	0.564		
PCB-135	ND	0.610			PCB-179	ND	0.435		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6C0129	Lab Sample: B6C0129-BLK1
Sample Size: 1.00 L	Date Extracted: 21-Mar-2016 8:04	Date Analyzed: 28-Mar-16 19:47 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.497			Total octaCB	ND	0.497		
PCB-181	ND	0.533			Total nonaCB	ND	0.288		
PCB-182/187	ND	0.533			DecaCB	ND	0.255		
PCB-183	ND	0.495			Total PCB	ND	4.47		
PCB-184	ND	0.453							
PCB-185	ND	0.513							
PCB-186	ND	0.416							
PCB-188	ND	0.398							
PCB-189	ND	0.356							
PCB-190	ND	0.380							
PCB-191	ND	0.387							
PCB-192	ND	0.414							
PCB-193	ND	0.389							
PCB-194	ND	0.228							
PCB-195	ND	0.259							
PCB-196/203	ND	0.445							
PCB-197	ND	0.316							
PCB-198	ND	0.489							
PCB-199	ND	0.497							
PCB-200	ND	0.356							
PCB-201	ND	0.336							
PCB-202	ND	0.362							
PCB-204	ND	0.343							
PCB-205	ND	0.183							
PCB-206	ND	0.288							
PCB-207	ND	0.188							
PCB-208	ND	0.190							
PCB-209	ND	0.255							
Total monoCB	ND	0.452							
Total diCB	ND	4.47							
Total triCB	ND	0.592							
Total tetraCB	ND	0.572							
Total pentaCB	ND	0.787							
Total hexaCB	ND	0.626							
Total heptaCB	ND	0.564							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Aqueous	QC Batch: B6C0129	Lab Sample: B6C0129-BLK1
Sample Size: 1.00 L	Date Extracted: 21-Mar-2016 8:04	Date Analyzed: 28-Mar-16 19:47 Column: ZB-1 Analyst: ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.0	5 - 145		13C-PCB-157	104	10 - 145	
13C-PCB-3	90.0	5 - 145		13C-PCB-159	104	10 - 145	
13C-PCB-4	93.7	5 - 145		13C-PCB-167	105	10 - 145	
13C-PCB-11	95.7	5 - 145		13C-PCB-169	102	10 - 145	
13C-PCB-9	91.1	5 - 145		13C-PCB-170	92.4	10 - 145	
13C-PCB-19	90.6	5 - 145		13C-PCB-180	89.6	10 - 145	
13C-PCB-28	103	5 - 145		13C-PCB-188	80.2	10 - 145	
13C-PCB-32	85.9	5 - 145		13C-PCB-189	87.7	10 - 145	
13C-PCB-37	120	5 - 145		13C-PCB-194	109	10 - 145	
13C-PCB-47	96.2	5 - 145		13C-PCB-202	83.2	10 - 145	
13C-PCB-52	96.6	5 - 145		13C-PCB-206	115	10 - 145	
13C-PCB-54	80.2	5 - 145		13C-PCB-208	100	10 - 145	
13C-PCB-70	101	5 - 145		13C-PCB-209	112	10 - 145	
13C-PCB-77	104	10 - 145		CRS 13C-PCB-79	109	10 - 145	
13C-PCB-80	99.5	10 - 145		13C-PCB-178	97.4	10 - 145	
13C-PCB-81	103	10 - 145					
13C-PCB-95	104	10 - 145					
13C-PCB-97	112	10 - 145					
13C-PCB-101	106	10 - 145					
13C-PCB-104	93.0	10 - 145					
13C-PCB-105	115	10 - 145					
13C-PCB-114	111	10 - 145					
13C-PCB-118	109	10 - 145					
13C-PCB-123	114	10 - 145					
13C-PCB-126	114	10 - 145					
13C-PCB-127	116	10 - 145					
13C-PCB-138	110	10 - 145					
13C-PCB-141	107	10 - 145					
13C-PCB-153	99.8	10 - 145					
13C-PCB-155	83.4	10 - 145					
13C-PCB-156	104	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6C0129
Date Extracted: 21-Mar-2016 8:04

Lab Sample: B6C0129-BS1
Date Analyzed: 28-Mar-16 17:36 Column: ZB-1 Analyst: ANP

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	785	1000	78.5	60 - 135	IS 13C-PCB-1	86.1	15 - 145
PCB-3	810	1000	81.0	60 - 135	IS 13C-PCB-3	86.6	15 - 145
PCB-4/10	1560	2000	77.9	60 - 135	IS 13C-PCB-4	86.1	15 - 145
PCB-15	849	1000	84.9	60 - 135	IS 13C-PCB-11	89.4	15 - 145
PCB-19	976	1000	97.6	60 - 135	IS 13C-PCB-9	84.7	15 - 145
PCB-37	882	1000	88.2	60 - 135	IS 13C-PCB-19	88.9	15 - 145
PCB-54	958	1000	95.8	60 - 135	IS 13C-PCB-28	82.8	15 - 145
PCB-77	917	1000	91.7	60 - 135	IS 13C-PCB-32	90.3	15 - 145
PCB-81	884	1000	88.4	60 - 135	IS 13C-PCB-37	111	15 - 145
PCB-104	930	1000	93.0	60 - 135	IS 13C-PCB-47	93.9	15 - 145
PCB-105	761	1000	76.1	60 - 135	IS 13C-PCB-52	95.6	15 - 145
PCB-106/118	1820	2000	90.9	60 - 135	IS 13C-PCB-54	75.0	15 - 145
PCB-114	799	1000	79.9	60 - 135	IS 13C-PCB-70	97.2	15 - 145
PCB-123	907	1000	90.7	60 - 135	IS 13C-PCB-77	97.7	40 - 145
PCB-126	823	1000	82.3	60 - 135	IS 13C-PCB-80	94.0	40 - 145
PCB-155	946	1000	94.6	60 - 135	IS 13C-PCB-81	96.5	40 - 145
PCB-156	893	1000	89.3	60 - 135	IS 13C-PCB-95	100	40 - 145
PCB-157	918	1000	91.8	60 - 135	IS 13C-PCB-97	106	40 - 145
PCB-167	917	1000	91.7	60 - 135	IS 13C-PCB-101	101	40 - 145
PCB-169	949	1000	94.9	60 - 135	IS 13C-PCB-104	90.8	40 - 145
PCB-188	940	1000	94.0	60 - 135	IS 13C-PCB-105	106	40 - 145
PCB-189	948	1000	94.8	60 - 135	IS 13C-PCB-114	102	40 - 145
PCB-202	951	1000	95.1	60 - 135	IS 13C-PCB-118	103	40 - 145
PCB-205	860	1000	86.0	60 - 135	IS 13C-PCB-123	105	40 - 145
PCB-206	981	1000	98.1	60 - 135	IS 13C-PCB-126	106	40 - 145
PCB-208	1010	1000	101	60 - 135	IS 13C-PCB-127	106	40 - 145
PCB-209	898	1000	89.8	60 - 135	IS 13C-PCB-138	100	40 - 145
					IS 13C-PCB-141	96.4	40 - 145
					IS 13C-PCB-153	93.7	40 - 145
					IS 13C-PCB-155	81.5	40 - 145
					IS 13C-PCB-156	98.0	40 - 145
					IS 13C-PCB-157	97.3	40 - 145
					IS 13C-PCB-159	97.3	40 - 145
					IS 13C-PCB-167	98.2	40 - 145
					IS 13C-PCB-169	94.9	40 - 145
					IS 13C-PCB-170	93.7	40 - 145
					IS 13C-PCB-180	92.6	40 - 145
					IS 13C-PCB-188	77.8	40 - 145
					IS 13C-PCB-189	90.5	40 - 145
					IS 13C-PCB-194	101	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B6C0129
Date Extracted: 21-Mar-2016 8:04

Lab Sample: B6C0129-BS1
Date Analyzed: 28-Mar-16 17:36 Column: ZB-1 Analyst: ANP

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	82.1	40 - 145
					IS 13C-PCB-206	109	40 - 145
					IS 13C-PCB-208	89.3	40 - 145
					IS 13C-PCB-209	107	40 - 145
					CRS 13C-PCB-79	100	40 - 145
					CRS 13C-PCB-178	92.7	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: INTAKE

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-01
Project:	Last Chance Road	Sample Size:	1.03 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 11:15			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed :	28-Mar-16 20:52 Column: ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	ND	1.45			PCB-44	ND	0.689		
PCB-2	ND	1.13			PCB-45	ND	0.596		
PCB-3	ND	1.12			PCB-46	ND	0.654		
PCB-4/10	ND	8.98			PCB-47	ND	0.501		
PCB-5/8	ND	6.48			PCB-48/75	ND	0.453		
PCB-6	ND	6.65			PCB-50	ND	0.665		
PCB-7/9	ND	6.57			PCB-51	ND	0.534		
PCB-11	ND	4.96			PCB-52/69	2.28			J
PCB-12/13	ND	5.02			PCB-53	ND	0.546		
PCB-14	ND	4.33			PCB-54	ND	0.505		
PCB-15	ND	4.42			PCB-55	ND	0.339		
PCB-16/32	ND	0.646			PCB-56/60	ND	0.378		
PCB-17	ND	0.708			PCB-57	ND	0.392		
PCB-18	ND	0.765			PCB-58	ND	0.387		
PCB-19	ND	0.958			PCB-61/70	ND		1.30	
PCB-20/21/33	ND	0.457			PCB-62	ND	0.442		
PCB-22	ND	0.454			PCB-63	ND	0.378		
PCB-23	ND	0.437			PCB-65	ND	0.456		
PCB-24/27	ND	0.522			PCB-66/76	ND	0.372		
PCB-25	ND	0.481			PCB-67	ND	0.403		
PCB-26	ND	0.427			PCB-68	ND	0.373		
PCB-28	ND	0.427			PCB-73	ND	0.440		
PCB-29	ND	0.437			PCB-74	ND	0.362		
PCB-30	ND	0.606			PCB-77	ND	0.367		
PCB-31	ND	0.422			PCB-78	ND	0.399		
PCB-34	ND	0.406			PCB-79	ND	0.360		
PCB-35	ND	0.417			PCB-80	ND	0.315		
PCB-36	ND	0.403			PCB-81	ND	0.364		
PCB-37	ND	0.389			PCB-82	ND	0.830		
PCB-38	ND	0.422			PCB-83	ND	0.486		
PCB-39	ND	0.416			PCB-84/92	ND	0.691		
PCB-40	ND	0.700			PCB-85/116	ND	0.580		
PCB-41/64/71/72	ND	0.448			PCB-86	ND	0.782		
PCB-42/59	ND	0.485			PCB-87/117/125	ND	0.508		
PCB-43/49	1.19			J	PCB-88/91	ND	0.729		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: INTAKE

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-01
Project:	Last Chance Road	Sample Size:	1.03 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 11:15			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed :	28-Mar-16 20:52
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.743			PCB-136	ND	0.487		
PCB-90/101	ND	0.613			PCB-137	ND	0.432		
PCB-93	ND	0.771			PCB-138/163/164	1.57			J
PCB-94	ND	0.725			PCB-139/149	ND	0.639		
PCB-95/98/102	ND	0.635			PCB-140	ND	0.716		
PCB-96	ND	0.602			PCB-141	ND	0.441		
PCB-97	ND	0.622			PCB-144	ND	0.650		
PCB-99	ND	0.592			PCB-145	ND	0.509		
PCB-100	ND	0.682			PCB-146/165	ND	0.424		
PCB-103	ND	0.679			PCB-147	ND	0.714		
PCB-104	ND	0.520			PCB-148	ND	0.680		
PCB-105	ND	0.348			PCB-150	ND	0.493		
PCB-106/118	ND	0.477			PCB-151	ND	0.680		
PCB-107/109	ND	0.461			PCB-152	ND	0.476		
PCB-108/112	ND	0.575			PCB-153	ND	0.383		
PCB-110	ND		1.14		PCB-154	ND	0.625		
PCB-111/115	ND	0.435			PCB-155	ND	0.464		
PCB-113	ND	0.552			PCB-156	ND	0.351		
PCB-114	ND	0.333			PCB-157	ND	0.365		
PCB-119	ND	0.430			PCB-158/160	ND	0.353		
PCB-120	ND	0.407			PCB-159	ND	0.346		
PCB-121	ND	0.465			PCB-166	ND	0.371		
PCB-122	ND	0.396			PCB-167	ND	0.369		
PCB-123	ND	0.492			PCB-168	ND	0.338		
PCB-124	ND	0.473			PCB-169	ND	0.441		
PCB-126	ND	0.426			PCB-170	ND	0.615		
PCB-127	ND	0.384			PCB-171	ND	0.584		
PCB-128/162	ND	0.409			PCB-172	ND	0.628		
PCB-129	ND	0.527			PCB-173	ND	0.769		
PCB-130	ND	0.553			PCB-174	ND	0.659		
PCB-131	ND	0.542			PCB-175	ND	0.654		
PCB-132/161	ND	0.410			PCB-176	ND	0.470		
PCB-133/142	ND	0.504			PCB-177	ND	0.671		
PCB-134/143	ND	0.492			PCB-178	ND	0.637		
PCB-135	ND	0.698			PCB-179	ND	0.492		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: INTAKE

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-01
Project:	Last Chance Road	Sample Size:	1.03 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 11:15			QC Batch:	B6C0129
				Date Analyzed:	28-Mar-16 20:52
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.586			Total octaCB	1.08			
PCB-181	ND	0.629			Total nonaCB	ND	2.39		
PCB-182/187	ND	0.603			DecaCB	1.31			
PCB-183	ND	0.560			Total PCB	7.43			
PCB-184	ND	0.512							
PCB-185	ND	0.605							
PCB-186	ND	0.470							
PCB-188	ND	0.450							
PCB-189	ND	0.413							
PCB-190	ND	0.457							
PCB-191	ND	0.456							
PCB-192	ND	0.489							
PCB-193	ND	0.459							
PCB-194	1.08			J					
PCB-195	ND	0.310							
PCB-196/203	ND	0.729							
PCB-197	ND	0.518							
PCB-198	ND	0.801							
PCB-199	ND	0.815							
PCB-200	ND	0.584							
PCB-201	ND	0.551							
PCB-202	ND	0.593							
PCB-204	ND	0.562							
PCB-205	ND	0.219							
PCB-206	ND	0.361							
PCB-207	ND	0.235							
PCB-208	ND	0.239							
PCB-209	1.31			J					
Total monoCB	ND	1.45							
Total diCB	ND	6.65							
Total triCB	ND	0.457							
Total tetraCB	3.47		4.76						
Total pentaCB	ND		1.14						
Total hexaCB	1.57								
Total heptaCB	ND	0.659							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: INTAKE

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-01
Project:	Last Chance Road	Sample Size:	1.03 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 11:15			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 20:52
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	31.1	5 -145		13C-PCB-170	85.4	10 -145	
13C-PCB-3	42.3	5 -145		13C-PCB-180	84.4	10 -145	
13C-PCB-4	47.5	5 -145		13C-PCB-188	77.8	10 -145	
13C-PCB-11	73.9	5 -145		13C-PCB-189	84.6	10 -145	
13C-PCB-9	54.9	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	58.5	5 -145		13C-PCB-202	72.1	10 -145	
13C-PCB-28	88.2	5 -145		13C-PCB-206	109	10 -145	
13C-PCB-32	68.1	5 -145		13C-PCB-208	91.4	10 -145	
13C-PCB-37	104	5 -145		13C-PCB-209	104	10 -145	
13C-PCB-47	85.8	5 -145		CRS 13C-PCB-79	98.1	10 -145	
13C-PCB-52	84.7	5 -145		13C-PCB-178	87.1	10 -145	
13C-PCB-54	67.0	5 -145					
13C-PCB-70	91.3	5 -145					
13C-PCB-77	97.0	10 -145					
13C-PCB-80	93.1	10 -145					
13C-PCB-81	93.4	10 -145					
13C-PCB-95	91.6	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	95.4	10 -145					
13C-PCB-104	83.2	10 -145					
13C-PCB-105	98.0	10 -145					
13C-PCB-114	99.4	10 -145					
13C-PCB-118	99.7	10 -145					
13C-PCB-123	100	10 -145					
13C-PCB-126	102	10 -145					
13C-PCB-127	99.2	10 -145					
13C-PCB-138	97.4	10 -145					
13C-PCB-141	96.9	10 -145					
13C-PCB-153	93.4	10 -145					
13C-PCB-155	77.0	10 -145					
13C-PCB-156	96.1	10 -145					
13C-PCB-157	93.8	10 -145					
13C-PCB-159	95.8	10 -145					
13C-PCB-167	95.8	10 -145					
13C-PCB-169	93.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

See individual congeners for qualifiers.

EMPC - Estimated maximum possible concentration

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-02
Project:	Last Chance Road	Sample Size:	1.02 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 11:55			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 21:57
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	14.6				PCB-44	3.78			J
PCB-2	ND	0.418			PCB-45	1.00			J
PCB-3	4.55			J	PCB-46	ND	0.494		
PCB-4/10	26.9				PCB-47	3.50			J
PCB-5/8	54.3				PCB-48/75	0.615			J
PCB-6	ND	3.71			PCB-50	ND	0.460		
PCB-7/9	ND	3.67			PCB-51	ND	0.403		
PCB-11	ND	3.79			PCB-52/69	3.93			J
PCB-12/13	ND	3.84			PCB-53	0.943			J
PCB-14	ND	3.31			PCB-54	ND	0.350		
PCB-15	ND	3.38			PCB-55	ND	0.280		
PCB-16/32	19.0				PCB-56/60	1.24			J
PCB-17	9.56				PCB-57	ND	0.294		
PCB-18	27.5				PCB-58	ND	0.289		
PCB-19	ND		3.31		PCB-61/70	ND		1.30	
PCB-20/21/33	11.9			J	PCB-62	ND	0.331		
PCB-22	5.82				PCB-63	ND	0.283		
PCB-23	ND	0.343			PCB-65	ND	0.342		
PCB-24/27	2.03			J	PCB-66/76	1.24			J
PCB-25	1.41			J	PCB-67	ND	0.301		
PCB-26	2.87			J	PCB-68	0.642			J
PCB-28	12.0				PCB-73	ND	0.332		
PCB-29	ND	0.343			PCB-74	0.617			J
PCB-30	ND	0.374			PCB-77	ND	0.312		
PCB-31	13.3				PCB-78	ND	0.303		
PCB-34	ND	0.319			PCB-79	ND	0.297		
PCB-35	ND	0.339			PCB-80	ND	0.260		
PCB-36	ND	0.328			PCB-81	ND	0.277		
PCB-37	1.30			J	PCB-82	ND	0.679		
PCB-38	ND	0.343			PCB-83	ND	0.400		
PCB-39	ND	0.338			PCB-84/92	ND	0.547		
PCB-40	ND	0.525			PCB-85/116	ND	0.477		
PCB-41/64/71/72	2.44			J	PCB-86	ND	0.643		
PCB-42/59	0.967			J	PCB-87/117/125	ND	0.418		
PCB-43/49	ND		1.73		PCB-88/91	ND	0.604		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-02
Project:	Last Chance Road	Sample Size:	1.02 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 11:55			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 21:57
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.588			PCB-136	ND	0.459		
PCB-90/101	1.55			J	PCB-137	ND	0.356		
PCB-93	ND	0.640			PCB-138/163/164	1.04			J
PCB-94	ND	0.601			PCB-139/149	ND	0.602		
PCB-95/98/102	ND	0.527			PCB-140	ND	0.674		
PCB-96	ND	0.479			PCB-141	ND	0.362		
PCB-97	ND	0.512			PCB-144	ND	0.612		
PCB-99	ND	0.469			PCB-145	ND	0.479		
PCB-100	ND	0.543			PCB-146/165	ND	0.345		
PCB-103	ND	0.540			PCB-147	ND	0.673		
PCB-104	ND	0.414			PCB-148	ND	0.641		
PCB-105	ND	0.235			PCB-150	ND	0.465		
PCB-106/118	ND	0.378			PCB-151	ND	0.641		
PCB-107/109	ND	0.378			PCB-152	ND	0.448		
PCB-108/112	ND	0.472			PCB-153	1.17			J
PCB-110	ND		0.961		PCB-154	ND	0.589		
PCB-111/115	ND	0.358			PCB-155	ND	0.437		
PCB-113	ND	0.437			PCB-156	ND	0.295		
PCB-114	ND	0.244			PCB-157	ND	0.299		
PCB-119	ND	0.354			PCB-158/160	ND	0.273		
PCB-120	ND	0.335			PCB-159	ND	0.287		
PCB-121	ND	0.386			PCB-166	ND	0.308		
PCB-122	ND	0.290			PCB-167	ND	0.283		
PCB-123	ND	0.403			PCB-168	ND	0.275		
PCB-124	ND	0.387			PCB-169	ND	0.414		
PCB-126	ND	0.300			PCB-170	ND	0.484		
PCB-127	ND	0.287			PCB-171	ND	0.471		
PCB-128/162	ND	0.340			PCB-172	ND	0.507		
PCB-129	ND	0.407			PCB-173	ND	0.621		
PCB-130	ND	0.455			PCB-174	ND	0.532		
PCB-131	ND	0.441			PCB-175	ND	0.554		
PCB-132/161	ND	0.334			PCB-176	ND	0.398		
PCB-133/142	ND	0.410			PCB-177	ND	0.542		
PCB-134/143	ND	0.401			PCB-178	ND	0.540		
PCB-135	ND	0.658			PCB-179	ND	0.417		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-02
Project:	Last Chance Road	Sample Size:	1.02 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 11:55			QC Batch:	B6C0129
				Date Analyzed:	28-Mar-16 21:57
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.473			Total octaCB	1.19			
PCB-181	ND	0.508			Total nonaCB	ND	0.246		
PCB-182/187	ND	0.510			DecaCB	ND	0.252		
PCB-183	ND	0.474			Total PCB	233			
PCB-184	ND	0.433							
PCB-185	ND	0.488							
PCB-186	ND	0.398							
PCB-188	ND	0.381							
PCB-189	ND	0.385							
PCB-190	ND	0.360							
PCB-191	ND	0.368							
PCB-192	ND	0.395							
PCB-193	ND	0.370							
PCB-194	1.19			J					
PCB-195	ND	0.347							
PCB-196/203	ND	0.569							
PCB-197	ND	0.405							
PCB-198	ND	0.626							
PCB-199	ND	0.637							
PCB-200	ND	0.456							
PCB-201	ND	0.431							
PCB-202	ND	0.463							
PCB-204	ND	0.439							
PCB-205	ND	0.246							
PCB-206	ND	0.303							
PCB-207	ND	0.182							
PCB-208	ND	0.185							
PCB-209	ND	0.252							
Total monoCB	19.2								
Total diCB	81.2								
Total triCB	107		110						
Total tetraCB	20.9		23.9						
Total pentaCB	1.55		2.52						
Total hexaCB	2.22								
Total heptaCB	ND	0.621							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-148

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-02
Project:	Last Chance Road	Sample Size:	1.02 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 11:55			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 21:57
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	92.0	5 -145		13C-PCB-170	86.5	10 -145	
13C-PCB-3	88.2	5 -145		13C-PCB-180	87.2	10 -145	
13C-PCB-4	96.2	5 -145		13C-PCB-188	76.0	10 -145	
13C-PCB-11	91.7	5 -145		13C-PCB-189	79.7	10 -145	
13C-PCB-9	92.1	5 -145		13C-PCB-194	103	10 -145	
13C-PCB-19	80.1	5 -145		13C-PCB-202	71.4	10 -145	
13C-PCB-28	85.1	5 -145		13C-PCB-206	106	10 -145	
13C-PCB-32	79.0	5 -145		13C-PCB-208	93.1	10 -145	
13C-PCB-37	106	5 -145		13C-PCB-209	97.2	10 -145	
13C-PCB-47	90.0	5 -145		CRS 13C-PCB-79	99.1	10 -145	
13C-PCB-52	95.1	5 -145		13C-PCB-178	92.2	10 -145	
13C-PCB-54	79.8	5 -145					
13C-PCB-70	98.8	5 -145					
13C-PCB-77	95.0	10 -145					
13C-PCB-80	97.5	10 -145					
13C-PCB-81	97.5	10 -145					
13C-PCB-95	99.6	10 -145					
13C-PCB-97	109	10 -145					
13C-PCB-101	103	10 -145					
13C-PCB-104	89.6	10 -145					
13C-PCB-105	106	10 -145					
13C-PCB-114	107	10 -145					
13C-PCB-118	108	10 -145					
13C-PCB-123	110	10 -145					
13C-PCB-126	104	10 -145					
13C-PCB-127	100	10 -145					
13C-PCB-138	104	10 -145					
13C-PCB-141	102	10 -145					
13C-PCB-153	100	10 -145					
13C-PCB-155	79.2	10 -145					
13C-PCB-156	99.0	10 -145					
13C-PCB-157	97.4	10 -145					
13C-PCB-159	99.7	10 -145					
13C-PCB-167	102	10 -145					
13C-PCB-169	83.2	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-03
Project:	Last Chance Road	Sample Size:	1.03 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 13:10			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 23:02
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	17.4				PCB-44	2.79			J
PCB-2	ND	0.480			PCB-45	0.987			J
PCB-3	6.24				PCB-46	ND	0.419		
PCB-4/10	33.1				PCB-47	2.94			J
PCB-5/8	64.6				PCB-48/75	ND	0.283		
PCB-6	ND	2.79			PCB-50	ND	0.381		
PCB-7/9	ND	2.76			PCB-51	ND	0.342		
PCB-11	ND	2.75			PCB-52/69	3.15			J
PCB-12/13	ND	2.78			PCB-53	ND	0.350		
PCB-14	ND	2.40			PCB-54	ND	0.289		
PCB-15	ND	2.45			PCB-55	ND	0.225		
PCB-16/32	21.4				PCB-56/60	1.00			J
PCB-17	11.5				PCB-57	ND	0.260		
PCB-18	31.2				PCB-58	ND	0.256		
PCB-19	4.42			J	PCB-61/70	1.35			J
PCB-20/21/33	10.6			J	PCB-62	ND	0.276		
PCB-22	ND		5.83		PCB-63	ND	0.250		
PCB-23	ND	0.327			PCB-65	ND	0.285		
PCB-24/27	2.16			J	PCB-66/76	1.18			J
PCB-25	1.47			J	PCB-67	ND	0.267		
PCB-26	2.77			J	PCB-68	0.550			J
PCB-28	12.2				PCB-73	ND	0.282		
PCB-29	ND	0.327			PCB-74	ND		0.429	
PCB-30	ND	0.348			PCB-77	ND	0.224		
PCB-31	12.1				PCB-78	ND	0.248		
PCB-34	ND	0.304			PCB-79	ND	0.239		
PCB-35	ND	0.321			PCB-80	ND	0.209		
PCB-36	ND	0.311			PCB-81	ND	0.226		
PCB-37	ND		1.13		PCB-82	ND	0.580		
PCB-38	ND	0.325			PCB-83	ND	0.371		
PCB-39	ND	0.320			PCB-84/92	ND	0.525		
PCB-40	ND	0.437			PCB-85/116	ND	0.442		
PCB-41/64/71/72	ND		2.52		PCB-86	ND	0.596		
PCB-42/59	0.761			J	PCB-87/117/125	ND	0.387		
PCB-43/49	2.47			J	PCB-88/91	ND	0.556		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-03	Date Received:	15-Mar-2016 10:05
Project:	Last Chance Road	Sample Size:	1.03 L	QC Batch:	B6C0129	Date Extracted:	21-Mar-2016 8:04
Date Collected:	14-Mar-2016 13:10			Date Analyzed :	28-Mar-16 23:02	Column:	ZB-1 Analyst: ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.564			PCB-136	ND	0.326		
PCB-90/101	ND	0.466			PCB-137	ND	0.273		
PCB-93	ND	0.588			PCB-138/163/164	1.05			J
PCB-94	ND	0.553			PCB-139/149	1.16			J
PCB-95/98/102	ND	0.485			PCB-140	ND	0.479		
PCB-96	ND	0.456			PCB-141	ND	0.278		
PCB-97	ND	0.474			PCB-144	ND	0.435		
PCB-99	ND	0.450			PCB-145	ND	0.341		
PCB-100	ND	0.517			PCB-146/165	ND	0.261		
PCB-103	ND	0.514			PCB-147	ND	0.478		
PCB-104	ND	0.394			PCB-148	ND	0.455		
PCB-105	ND	0.201			PCB-150	ND	0.330		
PCB-106/118	ND	0.345			PCB-151	ND	0.455		
PCB-107/109	ND	0.323			PCB-152	ND	0.319		
PCB-108/112	ND	0.438			PCB-153	ND		0.864	
PCB-110	ND		0.587		PCB-154	ND	0.418		
PCB-111/115	ND	0.332			PCB-155	ND	0.311		
PCB-113	ND	0.420			PCB-156	ND	0.215		
PCB-114	ND	0.203			PCB-157	ND	0.229		
PCB-119	ND	0.328			PCB-158/160	ND	0.213		
PCB-120	ND	0.310			PCB-159	ND	0.215		
PCB-121	ND	0.355			PCB-166	ND	0.231		
PCB-122	ND	0.241			PCB-167	ND	0.225		
PCB-123	ND	0.344			PCB-168	ND	0.208		
PCB-124	ND	0.331			PCB-169	ND	0.281		
PCB-126	ND	0.248			PCB-170	ND	0.420		
PCB-127	ND	0.233			PCB-171	ND	0.405		
PCB-128/162	ND	0.255			PCB-172	ND	0.436		
PCB-129	ND	0.317			PCB-173	ND	0.534		
PCB-130	ND	0.349			PCB-174	ND	0.458		
PCB-131	ND	0.334			PCB-175	ND	0.434		
PCB-132/161	ND	0.252			PCB-176	ND	0.312		
PCB-133/142	ND	0.310			PCB-177	ND	0.466		
PCB-134/143	ND	0.303			PCB-178	ND	0.423		
PCB-135	ND	0.467			PCB-179	ND	0.326		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-03
Project:	Last Chance Road	Sample Size:	1.03 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 13:10			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 23:02
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.407			Total octaCB	0.679			
PCB-181	ND	0.437			Total nonaCB	ND	0.204		
PCB-182/187	ND	0.400			DecaCB	ND	0.240		
PCB-183	ND	0.371			Total PCB	251			
PCB-184	ND	0.339							
PCB-185	ND	0.420							
PCB-186	ND	0.312							
PCB-188	ND	0.299							
PCB-189	ND	0.322							
PCB-190	ND	0.312							
PCB-191	ND	0.317							
PCB-192	ND	0.340							
PCB-193	ND	0.319							
PCB-194	0.679			J					
PCB-195	ND	0.269							
PCB-196/203	ND	0.591							
PCB-197	ND	0.420							
PCB-198	ND	0.650							
PCB-199	ND	0.661							
PCB-200	ND	0.474							
PCB-201	ND	0.447							
PCB-202	ND	0.481							
PCB-204	ND	0.456							
PCB-205	ND	0.190							
PCB-206	ND	0.321							
PCB-207	ND	0.202							
PCB-208	ND	0.204							
PCB-209	ND	0.240							
Total monoCB	23.6								
Total diCB	97.8								
Total triCB	110		117						
Total tetraCB	17.2		20.1						
Total pentaCB	ND		0.587						
Total hexaCB	2.21		3.07						
Total heptaCB	ND	0.534							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-149

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-03
Project:	Last Chance Road	Sample Size:	1.03 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 13:10			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 23:02
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	82.0	5 -145		13C-PCB-170	80.5	10 -145	
13C-PCB-3	80.5	5 -145		13C-PCB-180	83.6	10 -145	
13C-PCB-4	85.3	5 -145		13C-PCB-188	80.6	10 -145	
13C-PCB-11	87.1	5 -145		13C-PCB-189	78.1	10 -145	
13C-PCB-9	82.5	5 -145		13C-PCB-194	108	10 -145	
13C-PCB-19	71.5	5 -145		13C-PCB-202	73.3	10 -145	
13C-PCB-28	86.0	5 -145		13C-PCB-206	110	10 -145	
13C-PCB-32	72.9	5 -145		13C-PCB-208	97.0	10 -145	
13C-PCB-37	102	5 -145		13C-PCB-209	106	10 -145	
13C-PCB-47	87.6	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	90.4	5 -145		13C-PCB-178	88.2	10 -145	
13C-PCB-54	75.8	5 -145					
13C-PCB-70	90.9	5 -145					
13C-PCB-77	104	10 -145					
13C-PCB-80	95.2	10 -145					
13C-PCB-81	97.5	10 -145					
13C-PCB-95	93.2	10 -145					
13C-PCB-97	103	10 -145					
13C-PCB-101	95.5	10 -145					
13C-PCB-104	85.2	10 -145					
13C-PCB-105	102	10 -145					
13C-PCB-114	102	10 -145					
13C-PCB-118	105	10 -145					
13C-PCB-123	108	10 -145					
13C-PCB-126	104	10 -145					
13C-PCB-127	98.5	10 -145					
13C-PCB-138	100	10 -145					
13C-PCB-141	99.5	10 -145					
13C-PCB-153	98.2	10 -145					
13C-PCB-155	72.7	10 -145					
13C-PCB-156	99.2	10 -145					
13C-PCB-157	97.4	10 -145					
13C-PCB-159	99.4	10 -145					
13C-PCB-167	97.6	10 -145					
13C-PCB-169	93.7	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

See individual congeners for qualifiers.

EMPC - Estimated maximum possible concentration

Sample ID: GW-158

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-04
Project:	Last Chance Road	Sample Size:	1.02 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 10:50			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed :	28-Mar-16 00:08
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	21.2				PCB-44	6.13			
PCB-2	ND	0.499			PCB-45	2.14			J
PCB-3	7.75				PCB-46	ND	0.568		
PCB-4/10	40.3				PCB-47	5.53			
PCB-5/8	74.1				PCB-48/75	1.76			J
PCB-6	ND		13.8		PCB-50	ND	0.512		
PCB-7/9	ND	4.04			PCB-51	1.30			J
PCB-11	ND	3.92			PCB-52/69	4.80			J
PCB-12/13	ND	3.97			PCB-53	ND		1.21	
PCB-14	ND	3.42			PCB-54	ND	0.389		
PCB-15	17.7				PCB-55	ND	0.289		
PCB-16/32	31.4				PCB-56/60	1.45			J
PCB-17	16.0				PCB-57	ND	0.319		
PCB-18	44.7				PCB-58	ND	0.314		
PCB-19	5.45				PCB-61/70	2.66			J
PCB-20/21/33	17.8				PCB-62	ND	0.366		
PCB-22	8.95				PCB-63	ND	0.307		
PCB-23	ND	0.460			PCB-65	ND	0.377		
PCB-24/27	2.95			J	PCB-66/76	1.42			J
PCB-25	2.25			J	PCB-67	ND	0.327		
PCB-26	4.44			J	PCB-68	1.16			J
PCB-28	17.0				PCB-73	ND	0.381		
PCB-29	ND	0.460			PCB-74	0.989			J
PCB-30	ND	0.579			PCB-77	ND	0.289		
PCB-31	18.2				PCB-78	ND	0.311		
PCB-34	ND	0.428			PCB-79	ND	0.307		
PCB-35	ND	0.424			PCB-80	ND	0.269		
PCB-36	ND	0.410			PCB-81	ND	0.284		
PCB-37	2.36			J	PCB-82	ND	0.875		
PCB-38	ND	0.429			PCB-83	ND	0.516		
PCB-39	ND	0.422			PCB-84/92	ND	0.708		
PCB-40	1.80			J	PCB-85/116	ND	0.616		
PCB-41/64/71/72	4.01			J	PCB-86	ND	0.829		
PCB-42/59	1.54			J	PCB-87/117/125	ND	0.539		
PCB-43/49	3.37			J	PCB-88/91	ND	0.756		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-158

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-04
Project:	Last Chance Road	Sample Size:	1.02 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 10:50			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 00:08
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.761			PCB-136	ND	0.408		
PCB-90/101	ND	0.628			PCB-137	ND	0.412		
PCB-93	ND	0.800			PCB-138/163/164	1.11			J
PCB-94	ND	0.752			PCB-139/149	ND	0.534		
PCB-95/98/102	ND	0.659			PCB-140	ND	0.599		
PCB-96	ND	0.650			PCB-141	ND	0.419		
PCB-97	ND	0.660			PCB-144	ND	0.544		
PCB-99	ND	0.607			PCB-145	ND	0.426		
PCB-100	ND	0.737			PCB-146/165	ND	0.401		
PCB-103	ND	0.733			PCB-147	ND	0.598		
PCB-104	ND	0.562			PCB-148	ND	0.569		
PCB-105	ND	0.259			PCB-150	ND	0.413		
PCB-106/118	0.980			J	PCB-151	ND	0.569		
PCB-107/109	ND	0.487			PCB-152	ND	0.398		
PCB-108/112	ND	0.609			PCB-153	ND	0.363		
PCB-110	ND		0.901		PCB-154	ND	0.523		
PCB-111/115	ND	0.462			PCB-155	ND	0.389		
PCB-113	ND	0.566			PCB-156	ND	0.324		
PCB-114	ND	0.265			PCB-157	ND	0.333		
PCB-119	ND	0.456			PCB-158/160	ND	0.303		
PCB-120	ND	0.432			PCB-159	ND	0.320		
PCB-121	ND	0.483			PCB-166	ND	0.343		
PCB-122	ND	0.316			PCB-167	ND	0.332		
PCB-123	ND	0.519			PCB-168	ND	0.320		
PCB-124	ND	0.499			PCB-169	ND	0.404		
PCB-126	ND	0.312			PCB-170	ND	0.580		
PCB-127	ND	0.302			PCB-171	ND	0.537		
PCB-128/162	ND	0.378			PCB-172	ND	0.578		
PCB-129	ND	0.451			PCB-173	ND	0.708		
PCB-130	ND	0.527			PCB-174	ND	0.607		
PCB-131	ND	0.514			PCB-175	ND	0.580		
PCB-132/161	ND	0.388			PCB-176	ND	0.417		
PCB-133/142	ND	0.478			PCB-177	ND	0.617		
PCB-134/143	ND	0.467			PCB-178	ND	0.565		
PCB-135	ND	0.584			PCB-179	ND	0.436		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-158

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-04
Project:	Last Chance Road	Sample Size:	1.02 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 10:50			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 00:08
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.540			Total octaCB	ND	0.709		
PCB-181	ND	0.579			Total nonaCB	ND	0.366		
PCB-182/187	ND	0.534			DecaCB	ND	0.300		
PCB-183	ND	0.496			Total PCB	375			
PCB-184	ND	0.454							
PCB-185	ND	0.557							
PCB-186	ND	0.417							
PCB-188	ND	0.399							
PCB-189	ND	0.395							
PCB-190	ND	0.431							
PCB-191	ND	0.420							
PCB-192	ND	0.450							
PCB-193	ND	0.422							
PCB-194	ND	0.271							
PCB-195	ND	0.307							
PCB-196/203	ND	0.645							
PCB-197	ND	0.458							
PCB-198	ND	0.709							
PCB-199	ND	0.721							
PCB-200	ND	0.517							
PCB-201	ND	0.488							
PCB-202	ND	0.524							
PCB-204	ND	0.498							
PCB-205	ND	0.217							
PCB-206	ND	0.366							
PCB-207	ND	0.235							
PCB-208	ND	0.239							
PCB-209	ND	0.300							
Total monoCB	29.0								
Total diCB	132		146						
Total triCB	171								
Total tetraCB	40.1		41.3						
Total pentaCB	0.980		1.88						
Total hexaCB	1.11								
Total heptaCB	ND	0.708							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-158

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-04
Project:	Last Chance Road	Sample Size:	1.02 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 10:50			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 00:08
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	82.8	5 -145		13C-PCB-170	85.9	10 -145	
13C-PCB-3	83.4	5 -145		13C-PCB-180	82.2	10 -145	
13C-PCB-4	91.4	5 -145		13C-PCB-188	81.1	10 -145	
13C-PCB-11	90.8	5 -145		13C-PCB-189	85.1	10 -145	
13C-PCB-9	88.3	5 -145		13C-PCB-194	104	10 -145	
13C-PCB-19	71.1	5 -145		13C-PCB-202	74.5	10 -145	
13C-PCB-28	86.0	5 -145		13C-PCB-206	114	10 -145	
13C-PCB-32	73.9	5 -145		13C-PCB-208	98.9	10 -145	
13C-PCB-37	110	5 -145		13C-PCB-209	110	10 -145	
13C-PCB-47	87.2	5 -145		CRS 13C-PCB-79	108	10 -145	
13C-PCB-52	89.0	5 -145		13C-PCB-178	91.9	10 -145	
13C-PCB-54	75.7	5 -145					
13C-PCB-70	99.2	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	99.9	10 -145					
13C-PCB-81	102	10 -145					
13C-PCB-95	97.1	10 -145					
13C-PCB-97	105	10 -145					
13C-PCB-101	101	10 -145					
13C-PCB-104	82.7	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	104	10 -145					
13C-PCB-118	106	10 -145					
13C-PCB-123	107	10 -145					
13C-PCB-126	106	10 -145					
13C-PCB-127	103	10 -145					
13C-PCB-138	103	10 -145					
13C-PCB-141	103	10 -145					
13C-PCB-153	99.8	10 -145					
13C-PCB-155	75.1	10 -145					
13C-PCB-156	98.6	10 -145					
13C-PCB-157	98.4	10 -145					
13C-PCB-159	103	10 -145					
13C-PCB-167	99.9	10 -145					
13C-PCB-169	97.2	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

See individual congeners for qualifiers.

EMPC - Estimated maximum possible concentration

Sample ID: GW-159

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-05
Project:	Last Chance Road	Sample Size:	1.01 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 12:25			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 01:13
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-1	20.4				PCB-44	3.67			J
PCB-2	ND	0.488			PCB-45	ND		0.761	
PCB-3	7.27				PCB-46	ND	0.391		
PCB-4/10	36.4				PCB-47	4.53			J
PCB-5/8	72.9				PCB-48/75	1.13			J
PCB-6	13.2				PCB-50	ND	0.352		
PCB-7/9	ND	3.29			PCB-51	1.12			J
PCB-11	ND	3.22			PCB-52/69	3.25			J
PCB-12/13	ND	3.26			PCB-53	1.01			J
PCB-14	ND	2.81			PCB-54	ND	0.267		
PCB-15	11.7				PCB-55	ND	0.208		
PCB-16/32	23.5				PCB-56/60	1.56			J
PCB-17	11.0				PCB-57	ND	0.225		
PCB-18	36.3				PCB-58	ND	0.221		
PCB-19	5.25				PCB-61/70	1.83			J
PCB-20/21/33	13.7			J	PCB-62	ND	0.261		
PCB-22	7.48				PCB-63	ND	0.216		
PCB-23	ND	0.297			PCB-65	ND	0.269		
PCB-24/27	2.69			J	PCB-66/76	1.44			J
PCB-25	1.80			J	PCB-67	ND	0.231		
PCB-26	3.65			J	PCB-68	0.898			J
PCB-28	13.7				PCB-73	ND	0.263		
PCB-29	ND	0.297			PCB-74	0.890			J
PCB-30	ND	0.367			PCB-77	ND	0.212		
PCB-31	16.7				PCB-78	ND	0.216		
PCB-34	ND	0.276			PCB-79	ND	0.221		
PCB-35	ND	0.279			PCB-80	ND	0.193		
PCB-36	ND	0.269			PCB-81	ND	0.197		
PCB-37	1.34			J	PCB-82	ND	0.543		
PCB-38	ND	0.282			PCB-83	ND	0.318		
PCB-39	ND	0.278			PCB-84/92	ND	0.447		
PCB-40	0.976			J	PCB-85/116	ND	0.379		
PCB-41/64/71/72	2.86			J	PCB-86	ND	0.511		
PCB-42/59	1.11			J	PCB-87/117/125	ND	0.332		
PCB-43/49	2.50			J	PCB-88/91	ND	0.478		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-159

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-05
Project:	Last Chance Road	Sample Size:	1.01 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 12:25			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 01:13
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-89	ND	0.481			PCB-136	ND	0.359		
PCB-90/101	1.81			J	PCB-137	ND	0.294		
PCB-93	ND	0.505			PCB-138/163/164	1.16			J
PCB-94	ND	0.475			PCB-139/149	ND	0.471		
PCB-95/98/102	ND	0.417			PCB-140	ND	0.528		
PCB-96	ND	0.405			PCB-141	ND	0.300		
PCB-97	ND	0.407			PCB-144	ND	0.479		
PCB-99	0.739			J	PCB-145	ND	0.375		
PCB-100	ND	0.459			PCB-146/165	ND	0.287		
PCB-103	ND	0.457			PCB-147	ND	0.527		
PCB-104	ND	0.350			PCB-148	ND	0.502		
PCB-105	ND	0.199			PCB-150	ND	0.364		
PCB-106/118	1.06			J	PCB-151	ND	0.502		
PCB-107/109	ND	0.302			PCB-152	ND	0.351		
PCB-108/112	ND	0.375			PCB-153	1.12			J
PCB-110	1.13			J	PCB-154	ND	0.461		
PCB-111/115	ND	0.284			PCB-155	ND	0.342		
PCB-113	ND	0.357			PCB-156	ND	0.244		
PCB-114	ND	0.201			PCB-157	ND	0.259		
PCB-119	ND	0.281			PCB-158/160	ND	0.231		
PCB-120	ND	0.266			PCB-159	ND	0.241		
PCB-121	ND	0.305			PCB-166	ND	0.258		
PCB-122	ND	0.239			PCB-167	ND	0.252		
PCB-123	ND	0.322			PCB-168	ND	0.229		
PCB-124	ND	0.309			PCB-169	ND	0.302		
PCB-126	ND	0.253			PCB-170	ND	0.411		
PCB-127	ND	0.246			PCB-171	ND	0.374		
PCB-128/162	ND	0.285			PCB-172	ND	0.402		
PCB-129	ND	0.344			PCB-173	ND	0.493		
PCB-130	ND	0.377			PCB-174	ND	0.422		
PCB-131	ND	0.367			PCB-175	ND	0.391		
PCB-132/161	ND	0.278			PCB-176	ND	0.281		
PCB-133/142	ND	0.341			PCB-177	ND	0.430		
PCB-134/143	ND	0.333			PCB-178	ND	0.381		
PCB-135	ND	0.515			PCB-179	ND	0.294		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-159

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-05
Project:	Last Chance Road	Sample Size:	1.01 L	Date Received:	15-Mar-2016 10:05
Date Collected:	14-Mar-2016 12:25			QC Batch:	B6C0129
				Date Analyzed :	28-Mar-16 01:13
				Column:	ZB-1
				Analyst:	ANP

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers
PCB-180	ND	0.376			Total octaCB	ND		0.436	
PCB-181	ND	0.403			Total nonaCB	ND		0.287	
PCB-182/187	ND	0.360			DecaCB	0.542			
PCB-183	ND	0.335			Total PCB	335			
PCB-184	ND	0.306							
PCB-185	ND	0.387							
PCB-186	ND	0.281							
PCB-188	ND	0.269							
PCB-189	ND	0.280							
PCB-190	ND	0.305							
PCB-191	ND	0.292							
PCB-192	ND	0.313							
PCB-193	ND	0.294							
PCB-194	ND		0.436						
PCB-195	ND	0.298							
PCB-196/203	ND	0.570							
PCB-197	ND	0.405							
PCB-198	ND	0.627							
PCB-199	ND	0.638							
PCB-200	ND	0.457							
PCB-201	ND	0.431							
PCB-202	ND	0.464							
PCB-204	ND	0.440							
PCB-205	ND	0.211							
PCB-206	ND	0.287							
PCB-207	ND	0.181							
PCB-208	ND	0.183							
PCB-209	0.542			J					
Total monoCB	27.6								
Total diCB	134								
Total triCB	137								
Total tetraCB	28.8		29.5						
Total pentaCB	4.75								
Total hexaCB	2.28								
Total heptaCB	ND	0.493							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: GW-159

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Walla Walla Basin Watershed Council	Matrix:	Aqueous	Lab Sample:	1600291-05
Project:	Last Chance Road	Sample Size:	1.01 L	QC Batch:	B6C0129
Date Collected:	14-Mar-2016 12:25			Date Received:	15-Mar-2016 10:05
				Date Extracted:	21-Mar-2016 8:04
				Date Analyzed:	28-Mar-16 01:13
				Column:	ZB-1
				Analyst:	ANP

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	76.8	5 -145		13C-PCB-170	84.1	10 -145	
13C-PCB-3	77.6	5 -145		13C-PCB-180	84.4	10 -145	
13C-PCB-4	88.7	5 -145		13C-PCB-188	84.1	10 -145	
13C-PCB-11	91.3	5 -145		13C-PCB-189	81.2	10 -145	
13C-PCB-9	86.2	5 -145		13C-PCB-194	102	10 -145	
13C-PCB-19	72.2	5 -145		13C-PCB-202	69.7	10 -145	
13C-PCB-28	76.7	5 -145		13C-PCB-206	107	10 -145	
13C-PCB-32	74.0	5 -145		13C-PCB-208	94.4	10 -145	
13C-PCB-37	98.6	5 -145		13C-PCB-209	99.8	10 -145	
13C-PCB-47	80.7	5 -145		CRS 13C-PCB-79	99.1	10 -145	
13C-PCB-52	84.2	5 -145		13C-PCB-178	93.4	10 -145	
13C-PCB-54	74.3	5 -145					
13C-PCB-70	90.6	5 -145					
13C-PCB-77	94.6	10 -145					
13C-PCB-80	90.8	10 -145					
13C-PCB-81	95.0	10 -145					
13C-PCB-95	96.3	10 -145					
13C-PCB-97	104	10 -145					
13C-PCB-101	97.7	10 -145					
13C-PCB-104	81.6	10 -145					
13C-PCB-105	105	10 -145					
13C-PCB-114	109	10 -145					
13C-PCB-118	105	10 -145					
13C-PCB-123	105	10 -145					
13C-PCB-126	104	10 -145					
13C-PCB-127	100	10 -145					
13C-PCB-138	103	10 -145					
13C-PCB-141	108	10 -145					
13C-PCB-153	102	10 -145					
13C-PCB-155	68.7	10 -145					
13C-PCB-156	98.4	10 -145					
13C-PCB-157	97.0	10 -145					
13C-PCB-159	103	10 -145					
13C-PCB-167	101	10 -145					
13C-PCB-169	96.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

See individual congeners for qualifiers.

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Lower Calibration Limit of the instrument.
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
MDL	The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
RL	Reporting Limit – concentrations that correspond to low calibration point
ND	Not Detected
TEQ	Toxic Equivalency

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Storage Secured

Laboratory Project ID: 1600291

Yes No

Storage ID: WR-2

Temp: -0.2 °C

TAT: (Check One):

Standard: 21 Days

Rush (surcharge may apply):

14 days 7 days Specify: _____

Project I.D.: LAST CHANCE ROAD

P.O.# _____

Sampler: STEVEN PATTEN

(Name)

Invoice to: Name CHRIS SHEETS Company WWBWC Address 810 S. MADU ST City MELTUN-FREEWATER State OR Zip 97862 Ph# 541-938-2170 Fax# _____

Relinquished by: (Signature and Printed Name) [Signature] STEVEN PATTEN Date: 3-14-16 Time: 14:00 Received by: (Signature and Printed Name) [Signature] Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) [Signature] UPS Date: 03/15/16 Time: 1005 Received by: (Signature and Printed Name) [Signature] Benedict B. Benedict Date: 03/15/16 Time: 1009

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

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

Method of Shipment: UPS

Add Analysis(es) Requested

Container(s)

Quantity
Type
Matrix

2378-TCDD
2378-TCDD/TCDF
PCDD/PCDF
2378-TCDD
2378-TCDD/TCDF
PCDD/PCDF
2378-TCDD
2378-TCDD/TCDF
PCDD/PCDF
TOTALS
COPLANAR PCB's
209 CONGENERS
PBDE
PAH
WHO-29
EPA1613
EPA8290
EPA8280
EPA1668
EPA1614
CARB429

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	EPA1613	EPA8290	EPA8280	EPA1668	EPA1614	CARB429	
<u>INSTAKE</u>	<u>3-14-16</u>	<u>11:15</u>	<u>LCR</u>	<u>2L</u>	<u>A</u>	<u>AQ</u>										<u>X</u>	<u>X</u>											
<u>GW-148</u>	<u>3-14-16</u>	<u>11:55</u>	<u>LCR</u>	<u>2L</u>	<u>A</u>	<u>AQ</u>										<u>X</u>	<u>X</u>											
<u>GW-149</u>	<u>3-14-16</u>	<u>13:10</u>	<u>LCR</u>	<u>2L</u>	<u>A</u>	<u>AQ</u>										<u>X</u>	<u>X</u>											
<u>GW-158</u>	<u>3-14-16</u>	<u>10:50</u>	<u>LCR</u>	<u>2L</u>	<u>A</u>	<u>AQ</u>										<u>X</u>	<u>X</u>											
<u>GW-159</u>	<u>3-14-16</u>	<u>12:25</u>	<u>LCR</u>	<u>2L</u>	<u>A</u>	<u>AQ</u>										<u>X</u>	<u>X</u>											

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: STEVEN PATTEN
Company: WWBWC
Address: 810 S. MADU
City: MELTUN-FREEWATER State: OR Zip: 97862
Phone: 541-938-2170 Fax: SAME
Email: steven.patten@wwbwc.org
Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, AQ = Aqueous, O = Other

Container Types: A = 1 Liter Amber, G = Glass Jar

*Bottle Preservative Type: T = Thiosulfate,

P = PUF, T = MM5 Train, O = Other _____

O = Other _____

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1600291 TAT 8/16

Samples Arrival:	Date/Time <u>03/15/16 1005</u>	Initials: <u>ARB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>NA</u>
Logged In:	Date/Time <u>03/15/16 1408</u>	Initials: <u>ARB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>A4</u>
Delivered By:	FedEx	<u>UPS</u>	On Trac
			DHL
			Hand Delivered
			Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
			None
Temp °C:	<u>0.4</u> (uncorrected)	Time: <u>1008</u>	Thermometer ID: IR-2
Temp °C:	<u>-0.2</u> (corrected)		

	YES	NO	NA
Adequate Sample Volume Received? <u>ARB</u>	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>1Z62E3F7018349423</u>	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Na ₂ S ₂ O ₃ Preservation Documented?		COC	Sample Container
Shipping Container	Vista	<u>Client</u>	Retain
			<u>Return</u>
			<u>None</u>
			Dispose

Comments:

APPENDIX C - WALLA WALLA BASIN AQUIFER RECHARGE WATER QUALITY AND WATER LEVEL MONITORING QUALITY ASSURANCE PROJECT PLAN

[Click here to download the WWBWC's QAPP](#)

www.wwbwc.org/images/Projects/AR/Reports/QAPP_1.3_WA.pdf