Supplemental Drain Evaluation and Monitoring Well Sampling Report

Simplot Grower Solutions
South 300 1st Street
Sunnyside, Washington 98944

Prepared by:
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September 2013

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1.0 INTRODUCTION

The purpose of this report is to describe investigation activities that occurred at the Simplot Grower Solutions (Simplot) facility at 300 South 1st Street in Sunnyside, Washington from April through July 2013. Activities were conducted in accordance with the July 2012 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan* (HDR 2012a), subsequent letter modifications (HDR 2012b), and recommendations from the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* (HDR 2013).

1.1 Background

On October 1, 2008, Simplot received an "Early Notice Letter" from the Washington Department of Ecology (Ecology) regarding the potential release of hazardous substances from Simplot's Grower Solutions facility at 300 South 1st Street, Sunnyside, Washington (City) (**Figures 1** and **2**). Ecology's findings were based on information provided by Stantec Consulting Corporation (Stantec), a consulting firm contracted by Chevron Environmental Management Company (CEMC) and Atlantic Richfield Company (ARCO, now known as BP). Stantec had conducted investigation and remediation activities at the Bee-Jay Scales site, located at 116 North 1st Street, one block north of the Simplot facility (**Figure 2**). In spring 2007, Stantec conducted off-site groundwater investigations to further assess the extent of groundwater impacts associated with the Bee-Jay Scales site. A boring was drilled adjacent to the east side of Simplot's property. Groundwater samples collected in this boring were analyzed and several constituents exceeded groundwater quality standards. This finding triggered Ecology to request Simplot to conduct an investigation of the Grower Solutions facility.

Simplot initiated on-site investigation activities in 2009. **Table 1** presents the timeline starting with the Early Notice Letter from Ecology to Simplot through July 2013. This report summarizes activities and findings associated with the implementation of the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan* (HDR 2012a), subsequent letter modifications (HDR 2012b), and recommendations from the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* (HDR 2013).

Simplot Grower Solutions (formerly known as Simplot Soilbuilders) in Sunnyside, Washington, is an agricultural distribution facility that was started at the current location in the early- to mid-1960s. Simplot Grower Solutions is a retail outlet for agri-chemicals (fertilizers, pesticides, soil amendments).

At the time of the Early Notice Letter, there was an unlined equipment rinsate area located on the northeastern edge of the site. This area was used by Simplot for rinsing fertilizer spray equipment including mobile spray tanks. The rinsate area was unlined and was underlain by gravel. Simplot stopped this practice of rinsing equipment into the gravel in the 1990s. The former rinsate area was excavated and soils removed in December 2012 (HDR 2013).

The main warehouse, office building, fertilizer storage tank area, and associated containment systems were removed in 2011. Simplot replaced this with a new office and concrete basin containment structure. A maintenance shop also remains on site.

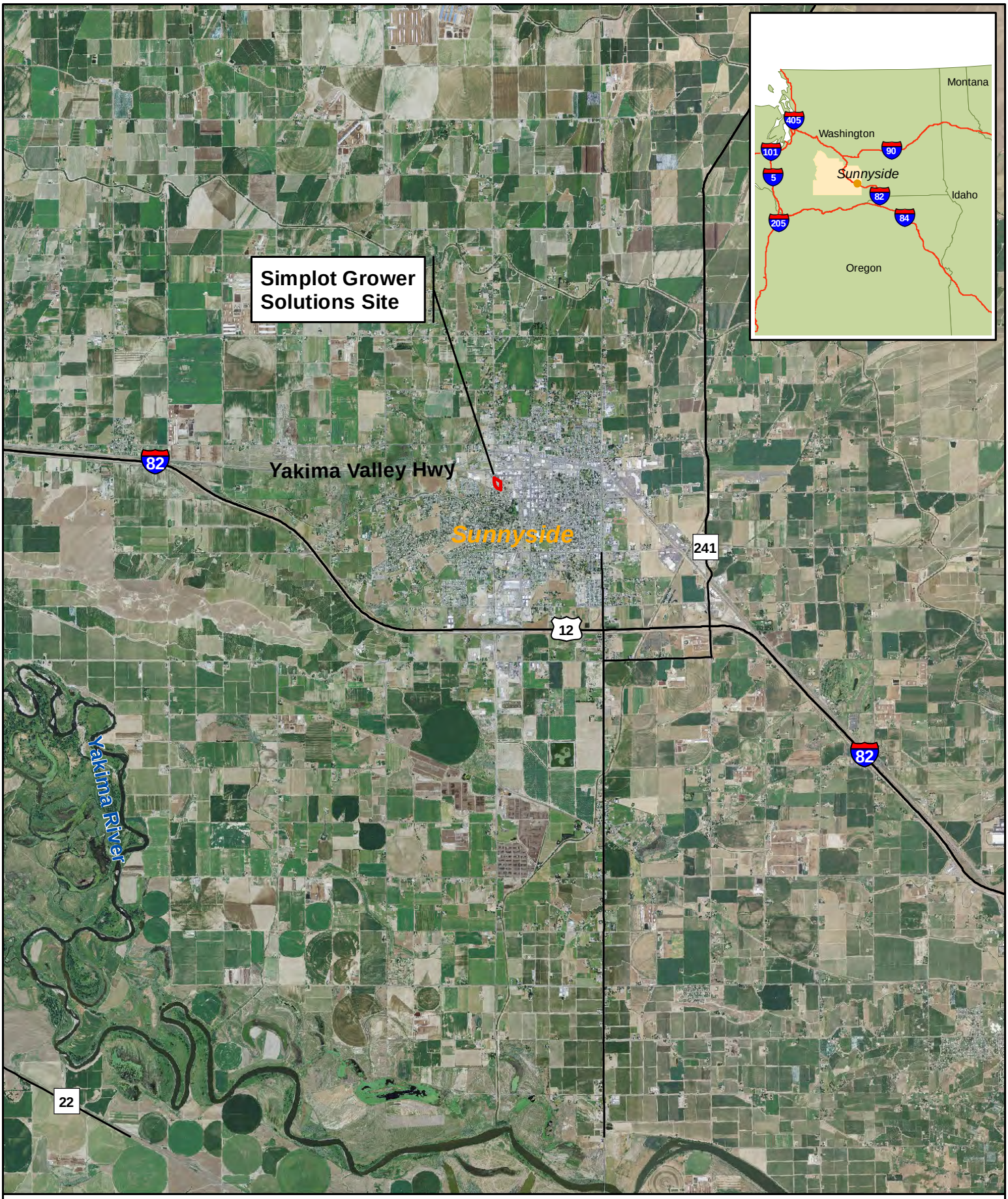

Figure 1: Vicinity Map

Simplot Grower Solutions, Sunnyside, WA

Imagery: 2009 NAIP 1 meter resolution
Source: NRCS/USDA Digitial Gateway

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0 200 400
Feet

Figure 2: Site Map
Simplot Grower Solutions, Sunnyside, WA

Imagery: Bing Online Imagery Service
Source: (c) 2010 Microsoft Corporation and its data suppliers

Map Date: Friday, May 18, 2012
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Table 1. Site Timeline Early Notice Letter to Present

Year	Date	Event
2008	October 1	Early Notice Letter from Ecology to Simplot.
2008	February 9	Simplot letter to Ecology indicating HDR has been hired and requesting a meeting.
2009	March 19	Simplot and Ecology meeting to discuss Volunteer Cleanup Program options.
2009	May	Simplot enters Volunteer Cleanup Program with Ecology.
2009	May	*Preliminary Site Investigation Work Plan* submitted to Ecology.
2009	July 7	Ecology opinion on Work Plan in letter to Simplot.
2009	September 23 and 24	Work plan field activities conducted including using a GeoProbe for sampling of soil and groundwater.
2009	December 17	*Preliminary Site Investigation Report* submitted to Ecology.
2010	June 4	Ecology response letter to the December 17, 2009 Preliminary Site Investigation Report.
2010	July	*Monitoring Well Construction and Sampling Work Plan* submitted to Ecology. Work plan included installation of five monitoring wells and quarterly sampling for one year.
2010	December	Ecology approval of work plan.
2011	March 15 and 16	Five groundwater monitoring wells installed.
2011	March 17	1st quarter groundwater sampling.
2011	April	*Monitoring Well Construction and Sampling Report* submitted to Ecology.
2011	June 30	2nd quarter groundwater sampling.
2011	September 15	3rd quarter groundwater sampling.
2011	December 16	4th quarter groundwater sampling.
2012	May	*2011 Monitoring Well Sampling Report* submitted to Ecology
2012	May 24	Simplot and Ecology meeting in Yakima discuss monitoring results and next activities including need to assess off-site subsurface drains.
2012	June	Simplot coordinated with City and Sunnyside Valley Irrigation District (SVID) on drain system layout.
2012	July	*Source Removal, Drain Evaluation, Monitoring Well Construction and Sampling Work Plan* submitted to Ecology.
2012	September 12	HDR met with SVID and City representatives to investigate drain system and manhole access near the Simplot property. These manholes are part of the drain evaluation described in the July 2012 Work Plan.
2012	November 20	HDR letter to Ecology regarding “Modification to Source Removal and Additional Investigation Work Plan, July 2012” – recommended installation of off-site monitoring wells prior to drain study.
2012	November	Two offsite and one onsite monitoring wells installed. MW-5 abandoned due to rinsate area excavation.
2012	December 4 and 5	Rinsate area excavation and new round of well sampling including newly installed monitoring wells.
2013	February	*Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* submitted to Ecology.
2013	April	Supplemental drain evaluation conducted and monitoring wells sampled.
2013	July	Monitoring wells sampled.

1.1.1 Area Setting

The Simplot site is located in City limits. The general area is a relatively flat valley that rises in elevation towards Snipes Mountain to the southwest and hilly areas to the north. The elevation of the Simplot site is approximately 740 feet mean sea level (msl). According to the U.S. Geological Survey 1978 quadrangle map for Sunnyside, Washington, the base of Harrison Hill is located approximately 500 feet southwest of the site; the base of Snipes Mountain is located approximately 1.5 miles southwest of the site. The mountain rises approximately 250 feet above the elevation of the Simplot site to an elevation of about 990 feet. The Yakima River is located approximately 4 miles southwest of the Simplot site. Several irrigation ditches and drains managed by the Sunnyside Valley Irrigation District (SVID) flow through and under the site vicinity. One ditch flows from the west, then into a pipe one block south of the facility.

The National Oceanic and Atmospheric Administration reported that between 1950 and 1999 the City received an average of 6.7 inches of precipitation per year. Maximum average monthly precipitation occurs in December at approximately 1 inch. The driest month is July with an average precipitation of 0.19 inches.

1.1.2 Soils

The Simplot site and adjoining properties are mainly comprised of Cleman very fine sandy loam and Outlook fine sandy loam, together making up approximately 80 percent of nearby soil composition (Natural Resources Conservation Service). These soils possess moderately high to high hydraulic conductivity, moderate to high water capacity, and the depth to the water table for these soils is greater than 80 inches. The Cleman soils are well drained, while the Outlook soils are somewhat poorly drained. The remaining mapped soils in the area are Warden fine sandy loams of varying slopes.

Observations from drilling activities at the site reveal that subsurface conditions were comprised of interbedded layers of dark brown silty clay to silty sand for the entire boring depth, up to 20.5 feet.

1.1.3 General Groundwater Conditions

Depth to groundwater in the five wells onsite averages approximately 10 feet below ground surface (bgs). Since the original wells were installed onsite in 2011, water levels have fluctuated about 1 foot with lowest levels in late winter-early spring and the highest in summer to late fall. Groundwater flows from west to east.

The site is within an industrial portion of Sunnyside. Shallow groundwater in this area has been impacted to varying degrees by several contaminants: including metals, herbicides, volatile organic compounds (VOCs), and nitrate-nitrogen and ammonium-nitrogen. Water quality is discussed in more detail in section 3.2.

1.1.4 Subsurface Drains

With the construction of the Sunnyside Canal in the late 1800s, irrigated agriculture was brought to the Sunnyside area. Flood irrigation of fields caused the water table to rise, resulting in the flooding of basements and low lying areas including agricultural fields. In response, under-drains (subsurface drains) were installed throughout the area in the early 1900s. The purpose of these drains was to lower the groundwater table to prevent localized flooding.

There are four drain systems within the site area (City workers, September 2012).

- Old Under-Drain System - As discussed above, the oldest and deepest set of drains, referred to as “under-drain,” was installed during City development in the early 1900s. Today, little is

known about this drain system. There is no known access to these under-drains in the area and the effectiveness of the drains for controlling groundwater elevation in the project area is uncertain.

- SVID Drain System - The second subsurface drain system in the project area was installed over 80 years ago and today is managed by the SVID. In the project area, this system conveys mostly groundwater in a southeasterly direction to Sulphur Creek and then to the Yakima River. Piping is typically concrete or clay with open joints. While the piping is solid, the joints are typically set ½-inch apart to allow for groundwater infiltration. The drain system continues to pick up groundwater through the Sunnyside area, which could include shallow groundwater within the site area.
- City Storm Drain System - The City also maintains a stormwater drain system in the area, which is the third series of subsurface drains. This system was installed in the 1960s. It consists of clay pipes and is predominantly a closed-pipe system. In many places, the SVID and City systems are interconnected, and the distinction between water conveyed within SVID drainage system and City of Sunnyside stormwater system is not always clear. The combination of all three subsurface drain systems provides complexity in assessing subsurface drainage on shallow groundwater.
- Industrial System - The fourth subsurface drain system in the area is related to industrial facilities that pipe industrial wastewater and on-site stormwater to the Port of Sunnyside's wastewater treatment plant. City municipal sewer pipes are also in the area. These pipes are not believed to act as groundwater drains; however, it is possible for incidental inflow and infiltration (I&I) of groundwater into these pipes to occur.

In June 2012, a subsurface drain water sampling event was performed by Stantec on behalf of CEMC and ARCO – the responsible parties for the Bee-Jay Scales site. The assessment included water quality sampling and flow measurements in 21 manholes covering an approximate ½-mile square area, which included Simplot's site (**Figure 3**). Water quality results indicated that nitrates and some other constituents were elevated in some samples, with concentrations of nitrate-nitrogen ranging between 9.2 and 13.6 mg/L in the drains east of South 1st Street and north of Zillah Avenue. Unfortunately, Stantec was unable to determine discharge and constituent loading (e.g. lbs per day), which would allow for a determination of potential pollutant contribution to the drains via groundwater infiltration, if any.

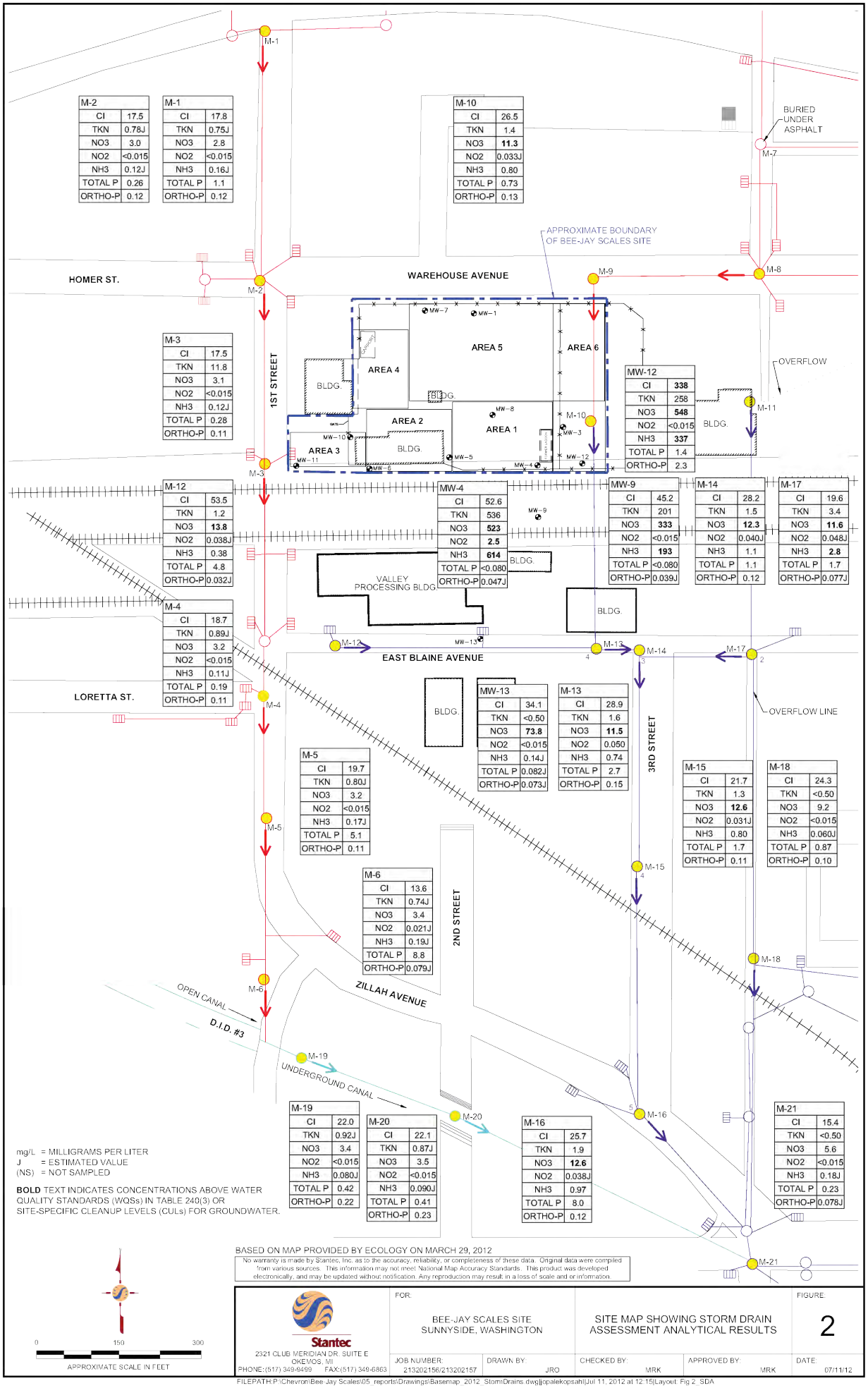

Figure 3: Drain Locations and Water Quality Data, June 2012

Simplot Grower Solutions, Sunnyside, WA

1.2 Previous Investigations

Prior to the 2013 activities described in Sections 2.0 and 3.0, three on-site investigations were conducted (HDR 2009b and 2011). The preliminary site investigation in September 2009 characterized soil and groundwater using a GeoProbe system. Based on findings from that study, five groundwater monitoring wells were installed on the property in March 2011. Source removal, drain investigation, additional monitoring well installation, and groundwater monitoring were conducted in 2012. A brief summary of these investigations follows; the reader is referred to the reports for investigation details and laboratory reports.

1.2.1 2009 GeoProbe Investigation

A preliminary site investigation on September 23 and 24, 2009 at the Simplot site revealed groundwater at a depth of approximately 4 to 8 feet bgs. Soil and groundwater samples were collected using a GeoProbe system. In all, 13 borings were advanced with the GeoProbe. The network of borings provided an approximate groundwater flow direction of west to east. It also provided information on soil and groundwater quality conditions within the site boundary, including the former rinsate area near the northeast edge of the property. Twenty-six soil samples were collected (plus one field duplicate) and analyzed for VOCs, metals, herbicides, ammonium, and nitrate. Measured soil constituents were below the Models Toxic Control Act (MTCA) Method B Cleanup Levels (CULs), with the exception of arsenic. Nitrate-nitrogen and ammonium-nitrogen were detected at varying levels in each soil sample collected from each boring. None of the soil samples exceeded the MTCA Method B CUL for nitrate-nitrogen. A CUL was not available for ammonium-nitrogen.

Thirteen groundwater samples were collected (plus quality control samples) and analyzed for VOCs, metals, herbicides, and inorganics (including nitrate and ammonium). Several groundwater samples collected in the borings contained constituents that exceeded the Washington groundwater standards or MTCA Method B CULs. These included several VOC compounds, several metals, one herbicide (2,4-D) and several inorganics (including nitrate).

1.2.2 2011 Groundwater Monitoring Well Installation and Sampling

Per the December 2010 work plan (HDR 2010), five on-site groundwater monitoring wells, MW-1 through MW-5, were installed and groundwater sampled. Quarterly sampling in 2011 provided information on seasonal groundwater flow direction, gradient, and groundwater quality. Laboratory analysis data can be found in the 2011 *Monitoring Well Construction and Sampling Report* (HDR 2011). Section 4.2 provides a summary of groundwater sampling results for all sampling events.

1.2.3 2012 Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling

Per the July 2012 work plan (HDR 2012a), the soils associated with the rinsate area were removed in December 2012. Two off-site monitoring wells were installed in November 2012 and all monitoring wells were sampled in December 2012. A summary of these activities may be found in the 2013 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* (HDR 2013).

After the Stantec sampling of area drains, Ecology requested that Simplot perform a similar subsurface drain study, including flows and water quality samples so that loads could be calculated. The area of study would be the drainage system downgradient of Simplot's facility, which is to the east. The goal would be to attempt to establish if impacted shallow groundwater from Simplot's site was entering a drain system.

On September 12, 2012, HDR, SVID, and the City conducted a visual assessment of the drain system downgradient of the Simplot site. At that time, the City's drains were dry as there had been no precipitation, and the only flows would be assumed to be groundwater and SVID irrigation water.

Manhole covers east of the Simplot site were pulled in order to observe manhole construction and if water was flowing at the time through the attached piping. The north-south drain on the west side of South 3rd Street, with corresponding manholes M-14 and M-15 (**Figure 3**), had water flowing through it at the time of the visit. Water flows to the M-14 location from the west and east in pipes along the south side of Blaine Street, and then is piped down South 3rd Street. In June 2012, nitrate-nitrogen concentrations in M-14 and M-15 were 12.3 and 12.6 mg/L, respectively (Stantec 2012). According to the City, the piping along 3rd Street is solid piping with solid joints and is not intended to serve as a groundwater drain. The City indicated that it is unlikely groundwater would enter the piping in this area. However, water was flowing through the pipe in September, which would indicate either some connection with SVID drains or that these drains may not be closed pipes.

Manhole M-18, east of South 3rd Street was dry during the site visit, and is part of the City's storm drain system (**Figure 3**). At the time of the Stantec study the water at that location had a concentration of nitrate-N of 9.2 mg/L.

1.3 Supplemental Drain Evaluation and Monitoring Well Sampling

Following source removal and monitoring well activities conducted in fall 2012, the document *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* was developed and submitted to Ecology in February 2013. In the document, the following recommendations were made:

- Groundwater samples should be collected in March 2013 (all wells) and then again during the irrigation season to assess any changes in nitrate concentrations in MW-6 and MW-7. As part of this sampling, geo-chemical parameters should be measured to assess if groundwater conditions are suitable for nitrate denitrification processes. Recommended parameters included dissolved oxygen, iron valences, and sulfate.
- Flow and concentrations in the drain pipe on the west side of 3rd Street should be further characterized to confirm the assumption that groundwater is not entering this system. It was recommended that samples and flow be determined at manholes M-14, M-15, and M-16.

1.4 Purpose of Report

This report presents a summary of field activities and sampling results associated with carrying out groundwater sampling in April and July 2013 and drain flow monitoring and sampling activities conducted in April 2013. Recommendations are also included in this report.

2.0 DRAIN SAMPLING

As described in Section 1.2.3, in September 2012, HDR, SVID, and the City conducted a visual assessment of the drain system downgradient of the Simplot site. At that time, the City's drains were dry as there had been no precipitation, and the only flows would be assumed to be groundwater and SVID irrigation water. The September 2012 assessment was for reconnaissance purposes only. HDR returned to the site in April 2013 to collect water samples and flow measurements from manholes per the July 2012 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan* (HDR 2012a), subsequent letter modifications (HDR 2012b), and recommendations from the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* (HDR 2013).

A Marsh McBirney flow meter (flo-mate 2000) equipped with a wading rod was used to measure average velocity. Average open channel flow was calculated using the mean velocity and cross-section area following procedures outlined in the Open Channel Profiling Handbook (Marsh-McBirney, 1994). From flow and constituent concentration, the constituent load (expressed in pounds per day, lb/d) passing through the manhole (through the pipe system) was estimated.

In addition to velocity measurements, water samples were collected using a disposal bailer for in-field analysis for pH, conductivity, and temperature. In addition, samples were collected and placed into laboratory-supplied sample bottles for analysis for chloride, sulfate, total phosphorus, nitrate, and ammonium (**Table 2**). Sampling protocol followed the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan* (HDR 2012a). Samples were analyzed by Kuo Testing Labs, Inc. of Othello, Washington. Laboratory reports are presented in Appendix A.

Table 2. Proposed Laboratory Analyses for Drain Assessment

Analytical Parameter	Method	Preservative
Chloride and sulfate	USEPA 300.0	4°C
Ortho- phosphorus	SM20 4500 PE	4°C
Total phosphorus	SM20 4500 PE	Sulfuric Acid (H_2SO_4)
Nitrate-N	USEPA 353.2 or USEPA 300.0	Sulfuric Acid (H_2SO_4)
Ammonium-N	SM20 4500 NH3 D	Sulfuric Acid (H_2SO_4)

Table 3 summaries the findings of field measurements and analytical sample results from the April 2013 activities. **Figure 3** illustrates drain and manhole locations and **Figure 6** illustrates selected data fro sampled drains (note that drain M-18 was dry at the time of sampling). Field sheets, photos, and laboratory data are presented in **Appendix A**.

Table 3. Summary of Data from Monitoring and Samples from Drain Manholes, April 2013

Manhole ID	M - 13	M - 14	M - 15	M - 16	M - 17
Depth to Water (feet)	15.4	15.4	14.9	14.6	14.4
Pipe Diameter (inches)	30	30	24	30	30
Depth of Water (feet)	0.50	0.30	0.25	0.40	NA
Avg. Flow Velocity (ft/s)	1.52	NA	1.25	1.06	NA
Discharge Flow (cfs)	1.17	NA	0.559	0.978	NA
Flow Direction	E to M-14	S to M-15	S to M-16	SE to M-21	W to M-14
pH	7.5	7.4	7.1	7.5	7.7
Temperature (°C)	14.2	14.5	14.4	15.0	14.4
Conductivity (mS/cm)	0.626	0.636	0.627	0.644	0.581
Chloride Concentration (mg/L)	28.0	28.5	26.0	31.0	22.0
Chloride Load (lb/d)	176	NA	78.5	164	NA
Sulfate Concentration (mg/L)	49.0	50.0	51.0	52.0	61.0
Sulfate Load (lb/d)	308	NA	154	275	NA
Total Phosphorus (mg/L)	0.190	0.189	0.131	0.123	0.136
Phosphorus Load (lb/d)	1.20	NA	0.395	0.650	NA
Nitrate-N Concentration (mg/L)	12.5	12.3	12.4	11.8	11.4
Nitrate Load (lb/d)	78.6	NA	37.4	62.3	NA
Ammonia-N Concentration (mg/L)	0.510	0.560	0.810	0.690	2.98

Table 3. Summary of Data from Monitoring and Samples from Drain Manholes, April 2013

Manhole ID	M - 13	M - 14	M - 15	M - 16	M - 17
Ammonia Load (lb/d)	3.21	NA	2.45	3.64	NA
Comments		non-laminar flow			8-inch pipe at about 3 feet flowing into manhole and mixing with large drain water

The drain flow pattern is illustrated in **Figures 3** and **6**, water flows from manholes M-13 and M-17 into M-14 and then toward M-15 and M-16. If groundwater were entering the system, flows would be expected to increase from M-14 to M-15 to M-16 (groundwater flow from the site would be expected to intercept the piping in the area of M-15). While M-16 has a slightly larger flow than M-15, the largest flow was M-13, which is upgradient. Furthermore, M-13 has a higher nitrate-N concentration and load compared to downgradient drains M-15 and M-16. Nitrate load calculations do increase in M-16 compared to M-15, suggesting that nitrate quantity is increasing, possibly suggesting inflow. However, the load is less than calculated for M-13.

3.0 2013 MONITORING WELL SAMPLING

Groundwater monitoring wells were sampled in April and July 2013. Field sampling activities followed the *Standard Operating Procedure for Groundwater Sampling* that was included in Appendix A of the Work Plan (HDR 2012a).

Groundwater samples were collected following static water measurements. Wells were purged with a disposable bailer. Field pH, conductivity, and temperature measurements were recorded during purging. Samples were taken once field parameters were stable (three consecutive measurements within 10 percent) or when at least three well bore volumes had been purged. Sample bottles were preserved according to analyses to be performed as summarized in **Table 4**. Groundwater samples were sent to ESC Lab Sciences in Mt. Juliet, Tennessee. Sampling information forms for each well are provided in **Appendix B**. **Table 5** summarizes Quality Assurance/Quality Control (QA/QC) field samples collected.

Table 4. Analyses Conducted on Groundwater Samples

Analytical Parameter	Method	Preservative	Holding Times
Volatile Organic Compounds (VOCs)	EPA 8260B	4°C, pH < 2 with HCl	14 days
Polynuclear Aromatic Hydrocarbons	EPA 8270Csim	4°C	7 days
Chlorinated Herbicides (full list)	EPA 8151A	4°C	7 days
Total Petroleum Hydrocarbon (TPH)	NWTPHGX/ DX	4°C, pH < 2 w/HCl	7 days
RCRA Metals[1] (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver)	EPA 6010B	4°C, pH < 2 w/HNO_3	6 months 28 days Hg
Nitrate+Nitrite-Nitrogen	EPA 353.2 or EPA 300.0	4°C	28 days
Ammonia-Nitrogen	SM20 4500 NH3 D or 350.1	4°C, pH < 2 H_2SO_4	28 days
Sulfate	EPA 9056	4°C	28 days

[1] RCRA metals filtered in the field.

Table 5. Quality Assurance and Quality Control Field Samples

QA/QC Type	Number of Samples	Description
Duplicate	1 groundwater sample per event	Duplicate is collected using the same sampling technique as the original sample.
Trip Blank	1 trip blank per event	Water sample in sample bottle provided by laboratory and accompanies sample bottles.

In addition to the field QA/QC samples described in **Table 5**, ESC Lab Sciences followed appropriate laboratory QA/QC procedures as dictated by the U.S. Environmental Protection Agency (EPA) method and the laboratory's Standard Operating Procedures (SOPs). Data validation reports for the two sampling rounds are presented in **Appendix D**.

3.1 Groundwater Elevation and Flow Direction

Depth to groundwater at each monitoring well in April and July 2013 is presented in **Table 6**.

Table 6. - Groundwater Elevation Measurement, April and July 2013

Well	Reference Elevation[1] (ft)	April 4, 2013		July 24, 2013	
		Measured Depth to Water (ft)	Groundwater Elevation (ft)	Measured Depth to Water (ft)	Groundwater Elevation (ft)
MW-1	745.76	9.02	736.74	9.11	736.65
MW-2	745.34	9.51	735.83	9.48	735.86
MW-3	745.58	11.24	734.34	11.21	734.37
MW-4	744.95	11.12	733.83	11.14	733.81
MW-5R	745.15	11.14	734.27	11.17	734.24
MW-6	743.46	12.77	730.69	12.83	730.63
MW-7	743.06	12.63	730.43	12.63	730.43

[1] Top of casing elevation surveyed by Permit Surveying, Inc.

Figures 4 and 5 illustrate the April 2013 and July 2013 groundwater elevation contours, respectively. The calculated shallow groundwater flow direction is to the east (98.10 degrees from north) at a gradient of 0.009 feet per foot. The average groundwater gradient reported for the BJ Scales RI/FS study is reported at 0.008 feet per foot (Stantec 2011). Based on the observed groundwater flow, the following wells are deemed up, down, or crossgradient as follows:

- MW-1 – upgradient well
- MW-2 – upgradient well
- MW-3 –side or downgradient well
- MW-4 - downgradient well
- MW-5R – downgradient well
- MW-6 – downgradient well
- MW-7 – downgradient well

Water levels in all of the wells show less than 0.2 feet of fluctuation in 2013.

Figure 4. April 2013 Groundwater Isopleths

Figure 4: April 2013 Groundwater Isopleths
Simplot Grower Solutions, Sunnyside, WA

Imagery: 2011 Yakima 0.5 ft, ESRI World Imagery Map Service
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Wednesday, September 25, 2013
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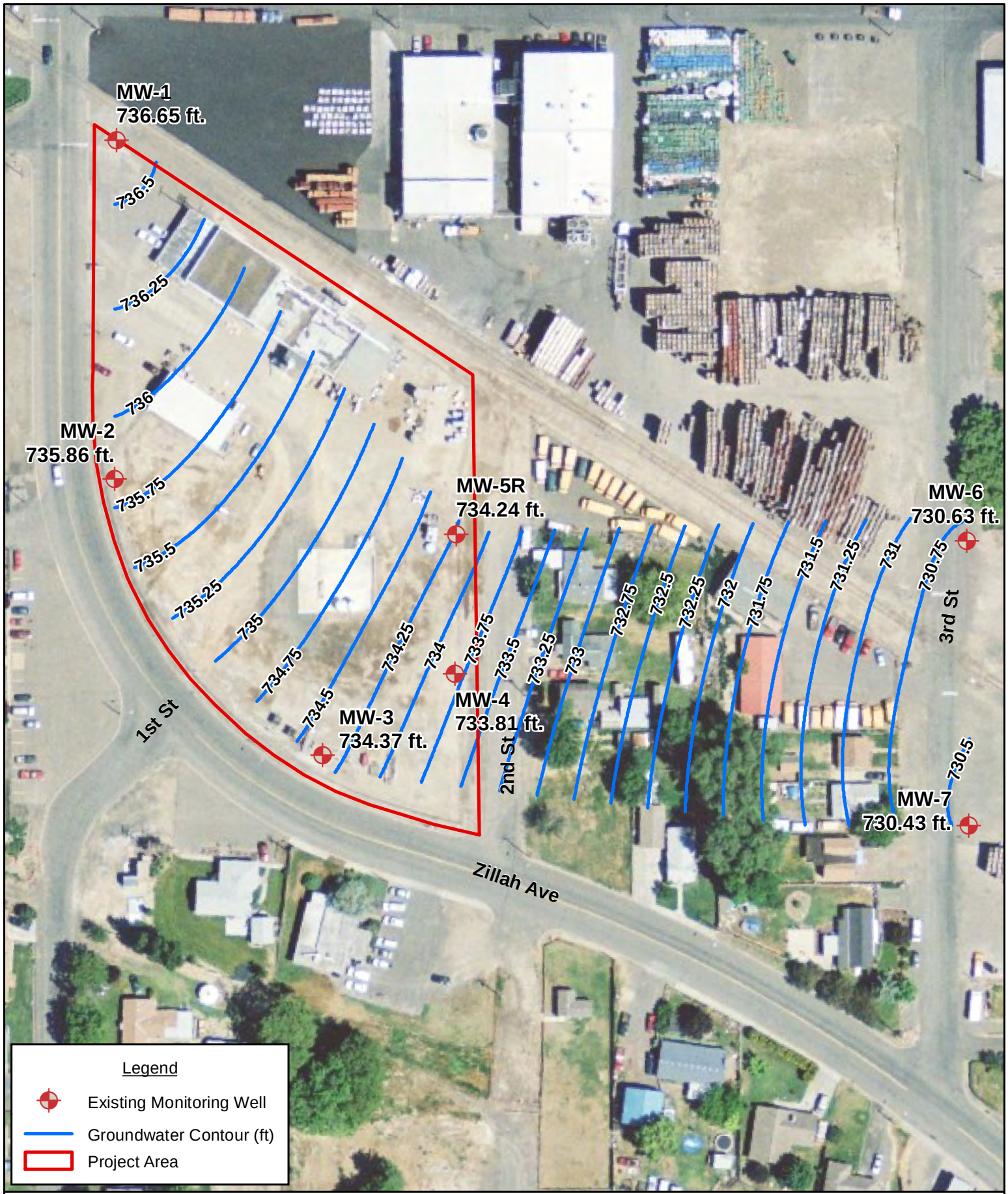

Figure 5: July 2013 Groundwater Isopleths
Simplot Grower Solutions, Sunnyside, WA

Imagery: 2011 Yakima 0.5 ft, ESRI World Imagery Map Service
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Wednesday, September 25, 2013
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3.2 Groundwater Quality Sampling

Table 7 presents is a summary of compounds detected in groundwater during the course of monitoring well sampling at the site since 2011. Values above the detection limit are highlighted in yellow. Values highlighted in blue represent a constituent that exceeds one or all of the following:

- Federal Maximum Contaminant Level (MCL)
- State MCL (groundwater quality standard)
- MTCA Method A Table Value
- MTCA Method B Carcinogen
- MTCA Method B Non-Carcinogen

In addition, sulfate was added to the constituent list in 2013. While there is no primary federal or state MCL for sulfate, there is a secondary standard. National Secondary Drinking Water Regulations are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. The secondary standard for sulfate is 250 mg/L. Those measurements that exceeded this standard in 2013 monitoring well sampling are also highlighted in blue.

Table 7 only presents constituents detected above the laboratory reported detection limit.

Table 7 - Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013
MW-1							
Sulfate	NA	NA	NA	NA	NA	140	130
Ammonia-Nitrogen	0.52	0.77	0.49	0.66	0.16	0.17	0.18
Nitrate-Nitrite	8.3	7.8	6.4	5.6	7.5	5.5	5.9
Arsenic (Dissolved)	<0.020	0.049	0.038	0.036	0.034	0.037	<0.020
Barium (Dissolved)	0.065	0.12	0.053	0.034	0.090	0.04	0.057
Cadmium (Dissolved)	<0.0050	0.0055	<0.0050	<0.0050	<0.0050	<0.0050	0.0058
Lead (Dissolved)	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Selenium (Dissolved)	<0.020	0.038	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethene	0.0033	<0.0010	<0.0010	<0.0010	<0.0010	<0.001	<0.0010
Residual Range Organics	<0.32	<0.25	0.44	<0.25	<0.25	<0.25	<0.25
MW-2							
Sulfate	NA	NA	NA	NA	NA	290	340
Ammonia-Nitrogen	0.17	<0.10	0.22	0.18	<0.10	<0.10	0.10
Nitrate-Nitrite	7.1	5.8	6.2	5.1	3.4	2.5	2.6
Arsenic (Dissolved)	0.058	0.081	0.11	0.083	0.06	0.067	0.029
Barium (Dissolved)	0.037	0.091	0.049	0.037	0.053	0.056	0.064
Cadmium (Dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0053
Trichloroethene	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 7 - Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013
MW-3							
Sulfate	NA	NA	NA	NA	NA	590	630
Ammonia-Nitrogen	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	0.11
Nitrate-Nitrite	7.0	8.5	11	9.3	11	12	18
Arsenic (Dissolved)	0.027	0.062	0.038	0.062	0.036	0.05	<0.020
Barium (Dissolved)	0.072	0.053	0.046	0.038	0.046	0.043	0.046
Lead (Dissolved)	0.027	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Selenium (Dissolved)	0.036	0.095	<0.020	0.021	0.034	0.04	0.065
Trichloroethene	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-4							
Sulfate	NA	NA	NA	NA	NA	140	120
Ammonia-Nitrogen	0.24	<0.10	0.11	0.40	<0.10	<0.10	0.11
Nitrate-Nitrite	14	9.6	8.4	7.8	79	6.7	5.1
Arsenic (Dissolved)	<0.020	0.040	0.028	0.031	0.024	0.024	<0.020
Barium (Dissolved)	0.054	0.043	0.11	0.041	0.13	0.038	0.039
Cadmium (Dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0064
Lead (Dissolved)	0.012	<0.0050	0.0062	<0.0050	<0.0050	<0.005	<0.0050
Selenium (Dissolved)	<0.020	0.039	<0.020	<0.020	<0.020	<0.020	0.023
1,2-Dichloropropane	0.014	0.016	0.0056	0.0040	0.065	0.0054	0.0050
MW-5							
Ammonia-Nitrogen	860	480	850	370	Well Abandoned (11-2012) Due to Excavation	Well Abandoned (11-2012) Due to Excavation	Well Abandoned (11-2012) Due to Excavation
Nitrate-Nitrite	530	200	310	290			
Arsenic (Dissolved)	0.074	0.18	0.16	0.23			
Barium (Dissolved)	0.12	0.040	0.038	0.054			
Cadmium (Dissolved)	<0.0050	0.0061	<0.0050	<0.0050			
Lead (Dissolved)	0.0074	<0.0050	<0.0050	<0.0050			
Gasoline Range Organics	1.5	1.5	0.86	1.8			
Acrolein	<0.25	<0.25	<0.050	0.068			
Benzene	0.18	0.16	0.077	0.14			
Chlorobenzene	0.0056	0.0055	0.0035	0.0042			
2-Chlorotoluene	<0.0050	<0.0050	<0.0010	0.0030			
1,2-Dichloroethane	0.18	0.11	0.082	0.18			
1,2-Dichloropropane	0.012	0.0091	0.0052	0.0093			
Ethylbenzene	<0.0050	<0.0050	0.0011	0.0011			
Isopropylbenzene	<0.0050	<0.0050	0.0024	0.0032			
n-Propylbenzene	0.0068	0.0072	0.0050	0.0071			
1,2,4-Trimethylbenzene	0.082	0.068	0.048	0.084			
1,2,3-Trimethylbenzene	0.024	0.020	0.012	0.021			
1,3,5-Trimethylbenzene	0.024	0.021	0.015	0.024			
Xylenes, Total	0.25	0.20	0.14	0.20			
Diesel Range Organics	1.5	1.4	0.61	2			

Table 7 - Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013
Residual Range Organics	<0.32	<0.25	<0.25	0.26			
Fluorene	<0.000050	<0.000050	<0.00005	0.000055			
Naphthalene	0.026	0.016	0.017	0.028			
Phenanthrene	<0.000050	<0.000050	<0.000050	0.00026			
Pyrene	<0.000050	<0.000050	<0.000050	0.000053			
1-Methylnaphthalene	0.0044	0.0030	0.0026	0.0039			
2-Methylnaphthalene	0.0061	0.0040	0.0034	0.0048			
2,4-D	<0.0020	<0.0020	0.030	0.036			
Dinoseb	0.0088	0.0094	0.0098	<0.010			
MW-5R							
Sulfate	Well installed Nov. 2012	Well installed Nov. 2012	Well installed Nov. 2012	Well installed Nov. 2012	NA	350	340
Ammonia-Nitrogen					0.17	0.10	0.10
Nitrate-Nitrite					35	30	51
Arsenic (Dissolved)					0.050	0.066	0.027
Barium (Dissolved)					0.054	0.035	0.040
Cadmium (Dissolved)					<0.0050	<0.0050	0.0067
Lead (Dissolved)					<0.0050	<0.0050	0.0053
Selenium (Dissolved)					<0.020	<0.020	0.028
1,2-Dichloroethane					0.0051	0.0045	0.004
MW-6							
Sulfate	Well installed Nov. 2012	Well installed Nov. 2012	Well installed Nov. 2012	Well installed Nov. 2012	NA	36	37
Ammonia-Nitrogen					<0.10	0.13	<0.10
Nitrate-Nitrite					2.7	2.9	2.9
Barium (Dissolved)					0.11	0.062	0.070
Cadmium (Dissolved)					<0.0050	<0.0050	0.0083
Lead (Dissolved)					<0.0050	<0.0050	0.0064
MW-7							
Sulfate	Well installed Nov. 2012	Well installed Nov. 2012	Well installed Nov. 2012	Well installed Nov. 2012	NA	35	35
Ammonia-Nitrogen					<0.10	0.12	0.16
Nitrate-Nitrite					2.4	2.5	1.9
Barium (Dissolved)					0.12	0.068	0.098
Cadmium (Dissolved)					<0.0050	<0.0050	0.0077

Notes:

Showing only compounds that were above detection limit at some time during seven sampling events.

Blue shade = exceeds Federal MCL, State MCL, and/or MTCA thresholds. Yellow shade = detected but below thresholds.

In sample events where naphthalene was detected by both Methods 8260B and 8270C; the higher result is reported in this table.

NA = Constituent Not Analyzed during this sampling event.

Post plots of nitrate-nitrogen and ammonium-nitrogen for the April 2013 and July 2013 sampling events are provided in **Figures 6 and 7**. Nitrate and ammonium are elevated in the on-site downgradient well MW-5R but is not elevated in the two off-site downgradient wells MW-6 and MW-7. These two off-site wells are screened at the vadose zone/groundwater interface, at similar depths to the on-site wells (HDR 2012b). The water chemistry for these two wells appear to be different in that nitrates are low

compared to the other wells and sulfate is also lower than the other wells. For example, sulfate in upgradient well MW-1 is 130 mg/L compared to 35 mg/L in MW-7. Dissolved oxygen was measured in the wells but the results revealed levels above the saturation limit for oxygen, which indicates there was a meter or calibration issue and the data is not considered to be reliable and is not reported here. The low concentration of sulfate in the two off-site downgradient wells may be indicative of anoxic microbial respiration where oxygen and nitrate would have to be depleted first before sulfate is available as an electron acceptor for the respiration process.

Regulatory groundwater standards for selected constituents are presented in **Appendix E**. **Table 8** summarizes those compounds whose standards were exceeded in 2013 groundwater samples.

Table 8. Summary of Standards Exceeded by Compounds Detected in Groundwater, 2013

Compound	Comparison Value(s) Exceeded	By Well(s)	Comparison Value(s) Exceeded	By Well(s)
	April 2013		July 2013	
1,2-Dichloroethane	MTCA Method B Carcinogen	MW-5R	MTCA Method B Carcinogen	MW-5R
1,2-Dichloropropane	Federal MCL State MCL	MW-4	Federal MCL State MCL	MW-4
Arsenic	Federal MCL State MCL MTCA Method A Table Value MTCA Method B Carcinogen MTCA Method B Non-Carcinogen	MW-1 MW-2 MW-3 MW-4 MW-5R	Federal MCL State MCL MTCA Method A Table Value MTCA Method B Carcinogen MTCA Method B Non-Carcinogen	MW-2 MW-5R
Cadmium	None	N/A	Federal MCL State MCL MTCA Method A Table Value	MW-1 MW-2 MW-4 MW-5R MW-6 MW-7
Nitrate-Nitrogen	Federal MCL State MCL	MW-3 MW-5R	Federal MCL State MCL	MW-3 MW-5R
Selenium	None	N/A	Federal MCL State MCL	MW-3
Sulfate	Federal Secondary Standard	MW-2 MW-3 MW-5R	Federal Secondary Standard	MW-2 MW-3 MW-5R

Figure 6: April 2013 Post Plot
Nitrates, Ammonia, Phosphorus and Flow
Simplot Grower Solutions, Sunnyside, WA

Imagery: 2011 Yakima 0.5 ft, ESRI World Imagery Map Service
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Friday, September 27, 2013
Q:\Simplot\Sunnyside\map_docs\SiteMap.mxd

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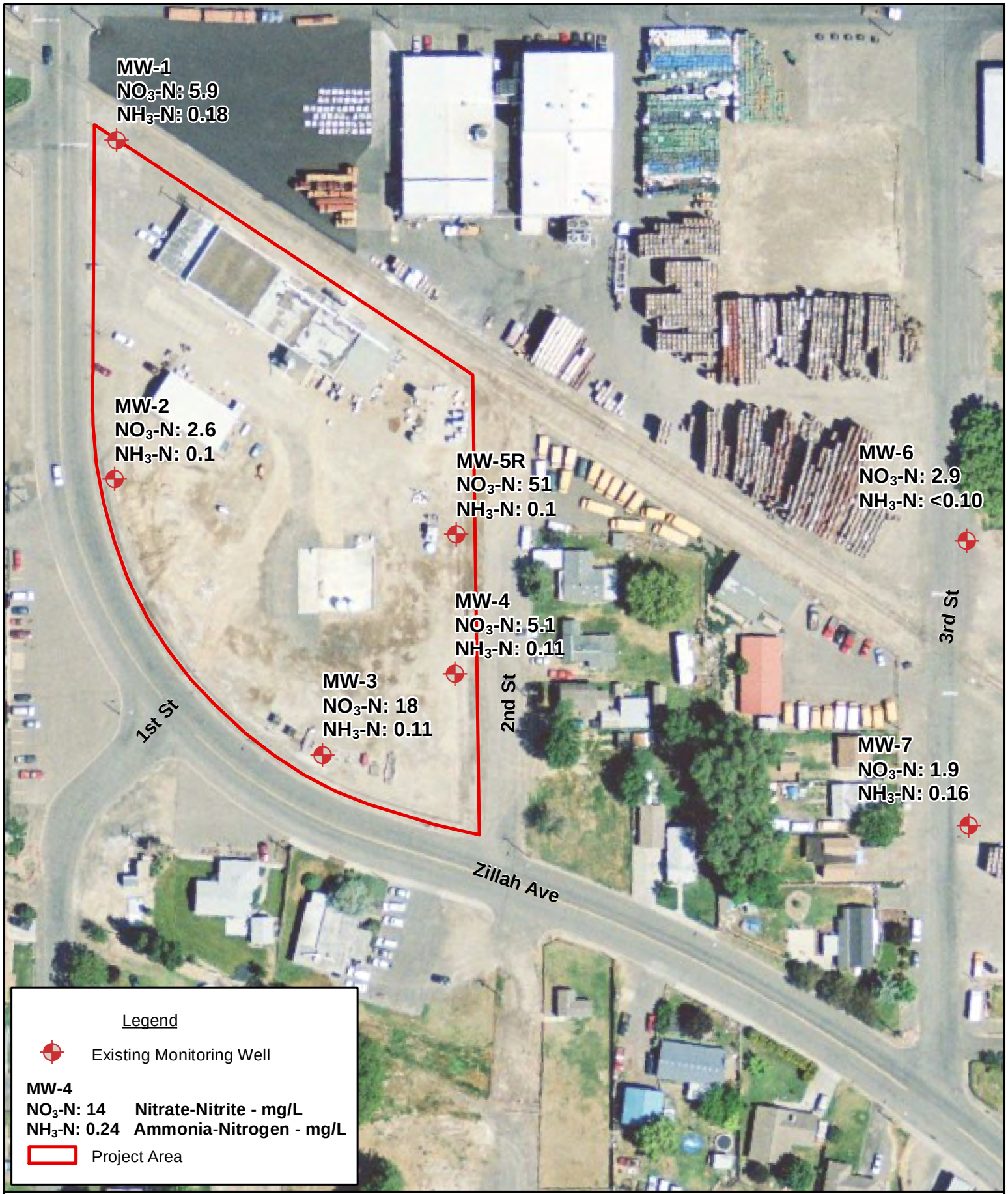

Figure 7: July 2013 Post Plot
Nitrates and Ammonia
Simplot Grower Solutions, Sunnyside, WA

Imagery: 2011 Yakima 0.5 ft, ESRI World Imagery Map Service
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Wednesday, September 25, 2013
Q:\Simplot\Sunnyside\map_docs\SiteMap.mxd

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4.0 DISCUSSION AND RECOMMENDATIONS

In 2012, source removal was conducted at the former rinse area. In addition, off-site downgradient monitoring wells were installed with the goal of assessing the extent of off-site nitrate migration. Because of the presence of subsurface drains in the area, an investigation was also conducted to assess the potential for downgradient groundwater to enter the drain system. These activities are described in the document, *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* (HDR 2013). As a follow up to these activities, Simplot conducted flow measurements and sampling of the drain system in April 2013 and also conducted groundwater sampling in April and July 2013.

The April and July groundwater sampling events were consistent with the December 2012 event in that nitrate concentrations in off-site downgradient monitoring wells (MW-6 and MW-7) were low (1.9 to 2.9 mg/l range) compared to on-site source area wells (MW-5R was 51 mg/L in July 2013). In addition, sulfate concentrations were lower in these downgradient wells (35 to 37 mg/L range) compared to the on-site wells (120 to 630 mg/L range).

Tests conducted at the Bee-Jay Scales site revealed saturated hydraulic conductivities in groundwater in the range of 0.8 to 1.2 ft/day (Secor 2007), typical for silts and mixtures of sand, silt, and clay. For the Simplot site, the dominant upper groundwater texture is silt to sandy silt. With such a low hydraulic conductivity, one would anticipate a low dispersion of nitrate as it migrates down stream. Thus, downgradient nitrate concentrations in the area of MW-6 and MW-7 are expected to be elevated (above 10 mg/L) based on flow direction and dispersion considerations.

Possible explanations for the relatively low nitrate concentrations in the downgradient wells include:

- Wells MW-6 and MW-7 are not hydraulic connected to the groundwater beneath the site
- Nitrate-N in groundwater beneath the site has not yet reached the wells.
- Groundwater is being intercepted by drains
- Nitrate is undergoing denitrification in the groundwater

Groundwater Flow Direction and Well Construction

The screening depths and lengths of the off-site wells are consistent with on-site wells and groundwater elevation measurements and calculated contours indicate these wells are hydraulically connected and are downgradient from the site (MW-7 is downgradient of the former rinsate area, whereas MW-6 might be slightly side-gradient, see **Figure 4** and previously developed contour maps). All monitoring wells are screened in the upper groundwater and are screened through the groundwater/vadose zone interface to ensure “first” water is sampled.

Groundwater Velocity

The shallow groundwater geology is comprised of alluvial material ranging from silt to sandy silt. Well pump tests have not been conducted at the Simplot facility but have been conducted for the nearby Jay-Bee Scales site. Assuming a hydraulic conductivity range 1 ft/day and a hydraulic gradient of 0.009 ft/ft, the groundwater velocity can be estimated by applying the Darcy flow equation to the hydrogeologic conditions observed. The Darcy equation is based on the following relationship:

$$\text{Groundwater Velocity } (V) = KI/n_e$$

where:

- K = hydraulic conductivity
- I = horizontal hydraulic gradient
- n_e = effective porosity of the aquifer material

Freeze and Cherry (1979) report porosity (n) values of 0.25 to 0.50 for silts to sand. Freeze and Cherry also state that, for most granular media, approximating effective porosity (n_e) with actual porosity (n) introduces little error. On this basis, the estimated actual porosity is considered to also represent the effective porosity. An average effective porosity of 0.30 is used in groundwater velocity calculations for the shallow aquifer underlying the site and downgradient area.

Using the Darcy flow equation, the groundwater velocity within the shallow aquifer is estimated at 0.03 feet/day (11 feet/year) based on a hydraulic conductivity of 1 ft/day and gradient of 0.009 ft/ft. The downgradient wells are approximately 450 feet from the former rinse area, so it would take approximately 40 years for groundwater in the rinsate area to reach the downgradient wells. Facility operations started in the mid-1960s.

Drains Intercepting Groundwater

In April 2013, flow velocity was measured and water samples collected from five manholes associated with the underground drain system. Constituent loadings, concentrations, and flows remained relatively constant throughout the system, though there was a slight increase in flow and nitrate loading between M-15 and M-16 (thought the upgradient M-13 had higher flows and loadings). As described in Section 1.1.4, there are multiple drain systems including the "old under-drain system," which is the oldest and deepest set of drains (but no mapping of this system is available). Thus, while the drain system along 3rd Street has been identified and monitored, there may be other drains that have not been identified.

Denitrification

The lower nitrate and sulfate concentrations could be possibly attributed to anoxic microbial activity in groundwater between the site and the wells, where nitrate and sulfate could be used as electron acceptors. Dissolved oxygen was measured during the April sampling event, but results are not reliable due to calibration errors. Thus, the potential for anoxic conditions that would favor denitrification remains uncertain.

4.1 Recommendations

In summary, elevated nitrates (above groundwater quality standard of 10 mg/L) are detected in on-site groundwater monitoring wells; however, nitrate in downgradient wells are below the groundwater quality standard. Several possible explanations for the low downgradient concentrations are described above.

It is recommended that groundwater be sampled in October 2013 and that dissolved oxygen and sulfate be measured in all wells. Furthermore, it is recommended that Ecology meet (or conference call) with Simplot to discuss a path forward regarding the need for any additional field work, the next step for a risk-based evaluation and identification and completion of any additional mitigation.

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APPENDIX A

April 2013 Manhole Pictures, Field Forms, and Sampling Results

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DRAIN STUDY FIELD FORM

Simplot Grower Solutions Sunnyside Drain Water Sampling

Study Site: Sunnyside WA			Manhole: M-13
Date: 4/3/13			Photo: 1, 2, 3
Time: 11:30			Crew: DR/NN
Weather:			
Station Description: Blaine /3rd			Pipe Diameter: 30”
			Bottom of Manhole:
			Depth to Water:15.35’
Normal Sample:	Y		Feet of Water: 0.8’
Duplicate:		N	
Triplicate:	Y	N	
DI Blank:	Y	N	
Trip Blank:	Y	N	
Instrument Blank:	Y	N	
MS/MSD:	Y	N	

In-situ Field Parameters

Meter Make and Model: Marsh–McBirney Flo-Mate 2000

Meter Serial Number: YSI EC 300 and pH 100

Meter Serial Number:

Stream Meter Readings	**Units**
Temperature: 14.2 °C	ph: 7.5
Conductivity: 0.626 mS/cm	Turbidity: NTU
DO: mg/l	Color:

Comments:

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DRAIN STUDY FIELD FORM

Simplot Grower Solutions Sunnyside Drain Water Sampling

Study Site: Sunnyside WA			Manhole: M-14
Date: 4/3/13			Photo: 4, 5, 6
Time: 1100			Crew: DR/NN
Weather:			Pipe Diameter: 30”
Station Description:			Bottom of Manhole: 15.65 to 15.8
			Depth to Water:15.4
			Feet of Water: 0.25
Normal Sample:	Y		
Duplicate:		N	
Triplicate:	Y	N	
DI Blank:	Y	N	
Trip Blank:	Y	N	
Instrument Blank:	Y	N	
MS/MSD:	Y	N	

In-situ Field Parameters

Meter Make and Model: Marsh–McBirney Flo-Mate 2000

Meter Serial Number: YSI EC 300 and pH 100

Meter Serial Number:

Stream Meter Readings	**Units**
Temperature: 14.5 °C	ph: 7.4
Conductivity: 0.636 mS/cm	Turbidity: NTU
DO: mg/l	Color:

Comments:

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DRAIN STUDY FIELD FORM

Simplot Grower Solutions Sunnyside Drain Water Sampling

Study Site: Sunnyside WA			Manhole: M-15
Date: 4/3/13			Photo: 7 and 8
Time: 10:15			Crew: DR/NN
Weather:			Pipe Diameter: 24”
Station Description:			Bottom of Manhole: 15’
			Depth to Water:14.9’
			Feet of Water: 0.25 to 0.8
Normal Sample:	Y		
Duplicate:		N	
Triplicate:	Y	N	
DI Blank:	Y	N	
Trip Blank:	Y	N	
Instrument Blank:	Y	N	
MS/MSD:	Y	N	

In-situ Field Parameters

Meter Make and Model: Marsh–McBirney Flo-Mate 2000

Meter Serial Number: YSI EC 300 and pH 100

Meter Serial Number:

Stream Meter Readings	**Units**
Temperature: 14.4 °C	ph: 7.1
Conductivity: 0.627 mS/cm	Turbidity: NTU
DO: mg/l	Color:

Comments: Water clear, flows to the south, dry pipe to the west.

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DRAIN STUDY FIELD FORM

Simplot Grower Solutions Sunnyside Drain Water Sampling

Study Site: Sunnyside WA			Manhole: M-16
Date: 4/3/13			Photo: 10, 11, 12
Time: 1400			Crew: DR/NN
Weather:			Pipe Diameter: 30”
Station Description:			Bottom of Manhole: 15.33’
			Depth to Water:14.6
			Feet of Water: 0.5 – 0.8
Normal Sample:	Y		
Duplicate: D-M-18 Duplicate sample	Y		
Triplicate:	Y	N	
DI Blank:	Y	N	
Trip Blank:	Y	N	
Instrument Blank:	Y	N	
MS/MSD:	Y	N	

In-situ Field Parameters

Meter Make and Model: Marsh–McBirney Flo-Mate 2000

Meter Serial Number: YSI EC 300 and pH 100

Meter Serial Number:

Stream Meter Readings	**Units**
Temperature: 15.0 °C	ph: 7.5
Conductivity: 0.644 mS/cm	Turbidity: NTU
DO: mg/l	Color:

Comments: Flow to the SE

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DRAIN STUDY FIELD FORM

Simplot Grower Solutions Sunnyside Drain Water Sampling

Study Site: Sunnyside WA			Manhole: M-17
Date: 4/3/13			Photo: 8 and 9
Time: 1220			Crew: DR/NN
Weather:			Pipe Diameter:
Station Description:			Bottom of Manhole:
			Depth to Water:
			Feet of Water:
Normal Sample:	Y		
Duplicate:		N	
Triplicate:	Y	N	
DI Blank:	Y	N	
Trip Blank:	Y	N	
Instrument Blank:	Y	N	
MS/MSD:	Y	N	

In-situ Field Parameters

Meter Make and Model: Marsh–McBirney Flo-Mate 2000

Meter Serial Number: YSI EC 300 and pH 100

Meter Serial Number:

Stream Meter Readings	**Units**
Temperature: 14.4 °C	ph: 7.7
Conductivity: 0.581 mS/cm	Turbidity: NTU
DO: mg/l	Color:

Comments: Flow to east to M-14.


Manhole 13
04/03/2013


Manhole 14
04/03/2013


Manhole 15
04/03/2013

Manhole 16


Manhole 17
04/03/2013

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/3/2013
DATE RECEIVED: 4/4/2013
DATE REPORTED: 4/18/2013

SYSTEM / CUSTOMER

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Project Name: Sunnyside Simplot

SEND REPORT TO:

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Attn:

SAMPLE NO.	CUSTOMER SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
35209	D-M-15	Chloride	26.0	1.0	mg/L	Kuo Testing Labs
35209	D-M-15	Sulfate	51	0.02	mg/L	Edge Analytical
35209	D-M-15	Total Dissolved Phosphorus	0.131	0.0061	mg/L	Kuo Testing Labs
35209	D-M-15	Nitrate as Nitrogen	12.4	0.003	mg/L	Kuo Testing Labs
35209	D-M-15	Ammonia as Nitrogen	0.81	0.0112	mg/L	Kuo Testing Labs

ND: None Detectable, None Detected, below method reporting limit/lower reporting limit.
mg/L: Indicates milligrams per liter
MDL: Method Detection Limit
J: Considered ND for reporting purposes, indicates an estimated concentration. This occurs when an analyte concentration is below the method reporting limit but is above the method detection limit.
BFCHD Accreditation #M93
CFU/100mL: Colony Forming Unit per 100 mL
Radionuclide Analysis: If Gross Alpha is analyzed and the results are greater than 5.0 pCi/L the lab is required to analyze Radium 226. If the Gross Alpha results are greater than 15.0 pCi/L the lab is also required to analyze Uranium. The Radium 226 and/or Uranium results will be added to the final report as well as the invoice.
IJ: An estimated concentration, below calibration curve but above method detection limit.
1 µmho/cm =1 µS/cm =1 Microsiemen/cm (units for conductivity, SI units mS/m = µS/cm/ 10)
APHT: samples were analyzed past hold time
* :Chloride concentration may include indiscernible levels of Iodid, Cyanide or Bromide.
NA (Not Analyzed): In the results column indicates that there was not enough sample left to run Ammonia.
Comments:

Elizabeth Goebel-Rohde, Quality Assurance Manager

4-18-13
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/3/2013
DATE RECEIVED: 4/4/2013
DATE REPORTED: 4/18/2013

SYSTEM / CUSTOMER

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Project Name: Sunnyside Simplot

SEND REPORT TO.

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Attn:

SAMPLE NO.	CUSTOMER SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
35210	D-M-14	Chloride	28.5	1.0	mg/L	Kuo Testing Labs
35210	D-M-14	Sulfate	50	0.02	mg/L	Edge Analytical
35210	D-M-14	Total Dissolved Phosphorus	0.189	0.0061	mg/L	Kuo Testing Labs
35210	D-M-14	Nitrate as Nitrogen	12.3	0.003	mg/L	Kuo Testing Labs
35210	D-M-14	Ammonia as Nitrogen	0.56	0.0112	mg/L	Kuo Testing Labs

ND: None Detectable, None Detected, below method reporting limit/lower reporting limit.
mg/L: Indicates milligrams per liter
MDL: Method Detection Limit
J: Considered ND for reporting purposes, indicates an estimated concentration. This occurs when an analyte concentration is below the method reporting limit but is above the method detection limit.
BFCHD Accreditation #M93
CFU/100mL: Colony Forming Unit per 100 mL
Radionuclide Analysis: If Gross Alpha is analyzed and the results are greater than 5.0 pCi/L the lab is required to analyze Radium 226. If the Gross Alpha results are greater than 15.0 pCi/L the lab is also required to analyze Uranium. The Radium 226 and/or Uranium results will be added to the final report as well as the invoice.
IJ: An estimated concentration, below calibration curve but above method detection limit.
1 µmho/cm =1 µS/cm =1 Microsiemen/cm (units for conductivity, SI units mS/m = µS/cm/ 10)
APHT: samples were analyzed past hold time
* :Chloride concentration may include indiscernible levels of Iodid, Cyanide or Bromide.
NA (Not Analyzed): In the results column indicates that there was not enough sample left to run Ammonia.
Comments:

Elizabeth Goebel-Rohde, Quality Assurance Manager

4-18-13
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
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Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

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SYSTEM / CUSTOMER

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Project Name: Sunnyside Simplot

SEND REPORT TO:

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Attn:

SAMPLE NO.	CUSTOMER SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
35211	D-M-13	Chloride	28.0	1.0	mg/L	Kuo Testing Labs
35211	D-M-13	Sulfate	49	0.02	mg/L	Edge Analytical
35211	D-M-13	Total Dissolved Phosphorus	0.190	0.0061	mg/L	Kuo Testing Labs
35211	D-M-13	Nitrate as Nitrogen	12.5	0.003	mg/L	Kuo Testing Labs
35211	D-M-13	Ammonia as Nitrogen	0.51	0.0112	mg/L	Kuo Testing Labs

ND: None Detectable, None Detected, below method reporting limit/lower reporting limit.
mg/L: Indicates milligrams per liter
MDL: Method Detection Limit
J: Considered ND for reporting purposes, indicates an estimated concentration. This occurs when an analyte concentration is below the method reporting limit but is above the method detection limit.
BFCHD Accreditation #M93
CFU/100mL: Colony Forming Unit per 100 mL
Radionuclide Analysis: If Gross Alpha is analyzed and the results are greater than 5.0 pCi/L the lab is required to analyze Radium 226. If the Gross Alpha results are greater than 15.0 pCi/L the lab is also required to analyze Uranium. The Radium 226 and/or Uranium results will be added to the final report as well as the invoice.
IJ: An estimated concentration, below calibration curve but above method detection limit.
1 µmho/cm =1 µS/cm =1 Microsiemen/cm (units for conductivity, SI units mS/m = µS/cm/ 10)
APHT: samples were analyzed past hold time
* :Chloride concentration may include indiscernible levels of Iodid, Cyanide or Bromide.
NA (Not Analyzed): In the resnlts column indieates that there was not cnongh sample left to run Ammonia.
Comments:

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Boise ID 83702
Project Name: Sunnyside Simplot

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412 E Park Center Blvd. #100
Boise ID 83702
Attn:

SAMPLE NO.	CUSTOMER SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
35212	D-M-17	Chloride	22.0	1.0	mg/L	Kuo Testing Labs
35212	D-M-17	Sulfate	61	0.02	mg/L	Edge Analytical
35212	D-M-17	Total Dissolved Phosphorus	0.136	0.0061	mg/L	Kuo Testing Labs
35212	D-M-17	Nitrate as Nitrogen	11.4	0.003	mg/L	Kuo Testing Labs
35212	D-M-17	Ammonia as Nitrogen	2.98	0.0112	mg/L	Kuo Testing Labs

ND: None Detectable, None Detected, below method reporting limit/lower reporting limit.
mg/L: Indicates milligrams per liter
MDL: Method Detection Limit
J: Considered ND for reporting purposes, indicates an estimated concentration. This occurs when an analyte concentration is below the method reporting limit but is above the method detection limit.
BFCHD Accreditation #M93
CFU/100mL: Colony Forming Unit per 100 mL
Radionuclide Analysis: If Gross Alpha is analyzed and the results are greater than 5.0 pCi/L the lab is required to analyze Radium 226. If the Gross Alpha results are greater than 15.0 pCi/L the lab is also required to analyze Uraniam. The Radium 226 and/or Uranium results will be added to the final report as well as the invoice.
IJ: An estimated concentration, below calibration curve but above method detection limit.
1 µmho/cm =1 µS/cm =1 Microsiemen/cm (units for conductivity, SI units mS/m = µS/cm/ 10)
APHT: samples were analyzed past hold time
* :Chloride concentration may inelude indiscernible levels of Iodid, Cyanide or Bromide.
NA (Not Analyzed): In the results column indicates that there was not cnough sample left to run Ammonia.
Comments:

Elizabeth Goebel-Rohde, Quality Assurance Manager

4-18-13
Date

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412 E Park Center Blvd. #100
Boise ID 83702
Project Name: Sunnyside Simplot

SEND REPORT TO:

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Attn:

SAMPLE NO.	CUSTOMER SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
35213	D-M-16	Chloride	31.0	1.0	mg/L	Kuo Testing Labs
35213	D-M-16	Sulfate	52	0.02	mg/L	Edge Analytical
35213	D-M-16	Total Dissolved Phosphorus	0.123	0.0061	mg/L	Kuo Testing Labs
35213	D-M-16	Nitrate as Nitrogen	11.8	0.003	mg/L	Kuo Testing Labs
35213	D-M-16	Ammonia as Nitrogen	0.69	0.0112	mg/L	Kuo Testing Labs

ND: None Detectable, None Detected, below method reporting limit/lower reporting limit.
mg/L: Indicates milligrams per liter
MDL: Method Detection Limit
J: Considered ND for reporting pnrposes, indicates an estimated concentration. This occurs when an analyte concentration is below the method reporting limit but is above the method detection limit.
BFCHD Accreditation #M93
CFU/100mL: Colony Forming Unit per 100 mL
Radionuclide Analysis: If Gross Alpha is analyzed and the results are greater than 5.0 pCi/L the lab is required to analyze Radium 226. If the Gross Alpha results are greater than 15.0 pCi/L the lab is also required to analyze Uranium. The Radium 226 and/or Uranium results will be added to the final report as well as the invoice.
JJ: An estimated concentration, below calibration curve but above method detection limit.
1 µmho/cm =1 µS/cm =1 Microsiemen/cm (units for conductivity, SI units mS/m = µS/cm/ 10)
APHT: samples were analyzed past hold time
* :Chloride concentration may include indiscernible levels of Iodid, Cyanide or Bromide.
NA (Not Analyzed): In the results column indicates that there was not enough sample left to run Ammonia.
Comments:

Elizabeth Goebel-Rohde, Quality Assurance Manager

4-18-13
Date

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DATE REPORTED: 4/18/2013

SYSTEM / CUSTOMER

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Project Name: Sunnyside Simplot

SEND REPORT TO:

HDR-Engineering
412 E Park Center Blvd. #100
Boise ID 83702
Attn:

SAMPLE NO.	CUSTOMER SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
35214	D-M-18	Chloride	31.0	1.0	mg/L	Kuo Testing Labs
35214	D-M-18	Sulfate	53	0.02	mg/L	Edge Analytical
35214	D-M-18	Total Dissolved Phosphorus	0.120	0.0061	mg/L	Kuo Testing Labs
35214	D-M-18	Nitrate as Nitrogen	11.8	0.003	mg/L	Kuo Testing Labs
35214	D-M-18	Ammonia as Nitrogen	0.68	0.0112	mg/L	Kuo Testing Labs

ND: None Detectable, None Detected, below method reporting limit/lower reporting limit.
mg/L: Indicates milligrams per liter
MDL: Method Detection Limit
J: Considered ND for reporting purposes, indicates an estimated concentration. This occurs when an analyte concentration is below the method reporting limit but is above the method detection limit.
BFCHD Accreditation #M93
CFU/100mL: Colony Forming Unit per 100 mL
Radionuclide Analysis: If Gross Alpha is analyzed and the results are greater than 5.0 pCi/L the lab is required to analyze Radium 226. If the Gross Alpha results are greater than 15.0 pCi/L the lab is also required to analyze Uranium. The Radium 226 and/or Uranium results will be added to the final report as well as the invoice.
IJ: An estimated concentration, below calibration curve but above method detection limit.
1 µmho/cm =1 µS/cm =1 Microsiemen/cm (units for conductivity, SI units mS/m = µS/cm/ 10)
APHT: samples were analyzed past hold time
* :Chloride concentration may include indiscernible levels of Iodid, Cyanide or Bromide.
NA (Not Analyzed): In the results column indicates that there was not enough sample left to run Ammonia.
Comments:

Elizabeth Goebel-Rohde, Quality Assurance Manager

4-18-13
Date

APPENDIX B

Groundwater Sampling Field Forms and Laboratory Report

April 2013

Groundwater Sampling Information

Sample ID: MW-1			**Date: 4/4/13**		
Project: Simplot Grower Solutions			Project No: 167889		
Location: Sunnyside WA					
Depth to Water: 9.02			Measuring Point: TPVC		
Well Depth: 19.34	Water Ht. 10.32		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66	
One Casing Volume (gallons): 1.65			Three Casing Volumes (gallons): 4.95		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 0740	----	----	----	----	0
1. 0743	7.4	13.0	0.700 ms	Dk. Br. Cl.	1
2. 0746	7.5	13.2	0.707	Dk. Br. Cl.	2
3. 0748	7.6	13.2	0.751	Dk. Br. Cl.	3
4. 0751	7.6	13.3	0.778	Dk. Br. Cl.	4
5. 0754	7.6	13.4	0.826	Dk. Br. Cl.	5
6. 0757	7.6	13.4	0.824	Dk. Br. Cl.	6
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1100	Appearance/Odor: Dk. Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Ferrous Iron: None Detected, < 0.5 mg/l	
ReDox: 126.0 mV	
Dissolved Oxygen: 16.1%	Elevation Approx. 750 Ft
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-2		**Date: 4/4/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 9.51		Measuring Point: TPVC	
Well Depth: 17.73	Water Ht. 8.22	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.32		Three Casing Volumes (gallons): 3.95	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 1106	----	----	----	----	0
1.1110	7.6	12.7	1.018ms	Dk. Br. Cl.	1
2. 1112	7.7	13.2	1.045	Dk. Br. Cl.	2
3. 1113	7.6	12.9	1.051	Dk. Br. Cl.	3
4. 1116	7.7	13.2	1.053	Dk. Br. Cl.	4
5. 1119	7.7	13.0	1.058	Dk. Br. Cl.	5
6. 1122	7.7	13.2	1.064	Dk. Br. Cl.	6
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1200	Appearance/Odor: Dk. Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Ferrous Iron: None Detected, < 0.5 mg/l	
ReDox: 132.7 mV	
Dissolved Oxygen: 11.5%	Elevation Approx. 750 Ft
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-3		**Date: 4/4/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 11.24		Measuring Point: TPVC	
Well Depth: 23.07	Water Ht. 11.83	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.89		Three Casing Volumes (gallons): 5.68	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 1225	----	----	----	----	0
1. 1227	7.3	14.3	2.264 ms	Br. Cl.	2
2. 1229	7.3	14.1	2.304	Br. Cl.	3
3. 1231	7.3	14.4	2.235	Br. Cl.	4
4. 1233	7.3	14.2	2.252	Br. Cl.	5
5. 1236	7.3	14.3	2.265	Br. Cl.	6
6. 1239	7.3	14.2	2.311	Br. Cl.	7
7. 1241	7.3	14.4	2.271	Br. Cl.	8
8.					
9.					
10.					

Sample Time: Preassigned time 1300	Appearance/Odor: Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Ferrous Iron: None Detected, < 0.5 mg/l	
ReDox: 148.2 mV	
Dissolved Oxygen: 14.3%	Elevation Approx. 750 Ft
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-4			**Date: 4/4/13**		
Project: Simplot Grower Solutions			Project No: 167889		
Location: Sunnyside WA					
Depth to Water: 11.12			Measuring Point: TPVC		
Well Depth: 22.71	Water Ht. 11.59		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66	
One Casing Volume (gallons): 1.85			Three Casing Volumes (gallons): 5.56		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms or us)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0. 1315	----	----	----	----	0
1. 1318	7.6	13.7	0.707 ms	Br. Cl.	2
2. 1322	7.7	14.0	0.748	Br. Cl.	3
3. 1324	7.7	14.1	0.761	Br. Cl.	4
4. 1326	7.7	14.0	0.778	Br. Cl.	5
5. 1328	7.7	14.1	0.790	Br. Cl.	6
6. 1330	7.7	14.0	0.787	Br. Cl.	7
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1400	Appearance/Odor: Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate: MW-8 at 1600	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Ferrous Iron: None Detected, < 0.5 mg/l	
ReDox: 115.8 mV	
Dissolved Oxygen: 14.2%	Elevation Approx. 750 Ft
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-5R		**Date: 4/4/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 11.14		Measuring Point: TPVC	
Well Depth: 21.60	Water Ht. 10.46	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.67		Three Casing Volumes (gallons): 5.02	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms or us)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0. 1414	----	----	----	----	0
1. 1416	7.2	13.6	1.586 ms	Dk. Br. Cl.	2
2. 1418	7.3	13.5	1.565	Dk. Br. Cl.	3
3. 1422	7.3	13.4	1.562	Dk. Br. Cl.	4
4. 1425	7.4	13.5	1.499	Dk. Br. Cl.	5
5. 1428	7.3	13.4	1.546	Dk. Br. Cl.	6
6. 1431	7.4	13.6	1.415	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1500	Appearance/Odor: Dk. Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Ferrous Iron: None Detected, < 0.5 mg/l	
ReDox: 131.1 mV	
Dissolved Oxygen: 14.4%	Elevation Approx. 750 Ft
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-6		**Date: 4/4/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 12.77		Measuring Point: TPVC	
Well Depth: 21.60	Water Ht. 8.83	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.41		Three Casing Volumes (gallons): 4.24	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 0903	----	----	----	----	0
1. 0905	7.4	14.2	362.7 us	Dk. Br. Cl.	1
2. 0908	7.5	14.1	364.8	Dk. Br. Cl.	2
3. 0910	7.5	14.3	369.6	Dk. Br. Cl.	3
4. 0915	7.5	14.4	370.2	Dk. Br. Cl.	4
5. 0920	7.5	14.4	370.7	Dk. Br. Cl.	5
6. 0922	7.5	14.5	370.3	Dk. Br. Cl.	6
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1000	Appearance/Odor: Dk. Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-7		**Date: 4/4/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 12.63		Measuring Point: TPVC	
Well Depth: 24.45	Water Ht. 11.82	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.89		Three Casing Volumes (gallons): 5.67	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 0958	----	----	----	----	0
1. 1002	7.4	14.8	335.8 us	Dk. Br. Cl.	2
2. 1006	7.5	15.1	347.1	Dk. Br. Cl.	3
3. 1009	7.5	15.0	352.7	Dk. Br. Cl.	4
4. 1011	7.5	15.0	348.9	Dk. Br. Cl.	5
5. 1014	7.5	15.1	355.2	Dk. Br. Cl.	6
6. 1016	7.5	15.2	355.5	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 0900	Appearance/Odor: Dk. Br. Silty, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Signature: D. Reynolds	Company: HDR

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Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Report Summary

Tuesday April 16, 2013

Report Number: L629132
Samples Received: 04/06/13
Client Project:

Description: Sunnyside, WA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-01

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 04/04/13 11:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	140	0.15	10.	mg/l		9056	04/09/13	2
Ammonia Nitrogen	0.17	0.038	0.10	mg/l		350.1	04/15/13	1
Nitrate-Nitrite	5.5	0.023	0.10	mg/l		353.2	04/13/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.037	0.0065	0.020	mg/l		6010B	04/12/13	1
Barium,Dissolved	0.040	0.0017	0.0050	mg/l		6010B	04/12/13	1
Cadmium,Dissolved	U	0.00070	0.0050	mg/l		6010B	04/12/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	04/12/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/12/13	1
Selenium,Dissolved	0.015	0.0074	0.020	mg/l	J	6010B	04/12/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/12/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/08/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	100.			% Rec.		NWTPHGX	04/08/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l	J3	8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 04/04/13 11:00

ESC Sample # : L629132-01

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-01

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-1

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 11:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	98.4			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	102.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.063	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	117.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000030	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	146.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	121.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	112.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

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Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-01

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 04/04/13 11:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	70.0			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-02

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-2

Collected By : Dale Reynolds
Collection Date : 04/04/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	290	0.39	25.	mg/l		9056	04/09/13	5
Ammonia Nitrogen	0.051	0.038	0.10	mg/l	JP1	350.1	04/15/13	1
Nitrate-Nitrite	2.5	0.023	0.10	mg/l		353.2	04/13/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.067	0.0065	0.020	mg/l		6010B	04/12/13	1
Barium,Dissolved	0.056	0.0017	0.0050	mg/l		6010B	04/12/13	1
Cadmium,Dissolved	U	0.00070	0.0050	mg/l		6010B	04/12/13	1
Chromium,Dissolved	0.0020	0.0014	0.010	mg/l	J	6010B	04/12/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/12/13	1
Selenium,Dissolved	0.013	0.0074	0.020	mg/l	J	6010B	04/12/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/12/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/08/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	99.9			% Rec.		NWTPHGX	04/08/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-2

Collected By : Dale Reynolds
Collection Date : 04/04/13 12:00

ESC Sample # : L629132-02

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.

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Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-02

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-2

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	97.4			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	121.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000034	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	152.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	126.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	127.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-02

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-2

Collected By : Dale Reynolds
Collection Date : 04/04/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	71.0			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-03

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-3

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 13:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	590	0.77	50.	mg/l		9056	04/09/13	10
Ammonia Nitrogen	U	0.038	0.10	mg/l		350.1	04/15/13	1
Nitrate-Nitrite	12.	0.046	0.20	mg/l		353.2	04/13/13	2
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.050	0.0065	0.020	mg/l		6010B	04/12/13	1
Barium,Dissolved	0.043	0.0017	0.0050	mg/l		6010B	04/12/13	1
Cadmium,Dissolved	U	0.00070	0.0050	mg/l		6010B	04/12/13	1
Chromium,Dissolved	0.0030	0.0014	0.010	mg/l	J	6010B	04/12/13	1
Lead,Dissolved	0.0035	0.0019	0.0050	mg/l	J	6010B	04/12/13	1
Selenium,Dissolved	0.040	0.0074	0.020	mg/l		6010B	04/12/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/12/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/08/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	100.			% Rec.		NWTPHGX	04/08/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 04/04/13 13:00

ESC Sample # : L629132-03

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-03

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-3

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 13:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	97.2			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.070	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	118.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000035	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	158.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	134.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	139.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-03

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 04/04/13 13:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	65.4			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-04

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-4

Collected By : Dale Reynolds
Collection Date : 04/04/13 14:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	140	0.15	10.	mg/l		9056	04/09/13	2
Ammonia Nitrogen	0.052	0.038	0.10	mg/l	J	350.1	04/15/13	1
Nitrate-Nitrite	6.7	0.023	0.10	mg/l		353.2	04/13/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.024	0.0065	0.020	mg/l		6010B	04/15/13	1
Barium,Dissolved	0.038	0.0017	0.0050	mg/l		6010B	04/15/13	1
Cadmium,Dissolved	0.00096	0.00070	0.0050	mg/l	J	6010B	04/15/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	04/15/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/15/13	1
Selenium,Dissolved	0.012	0.0074	0.020	mg/l	J	6010B	04/15/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/15/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/10/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		NWTPHGX	04/10/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-4

Collected By : Dale Reynolds
Collection Date : 04/04/13 14:00

ESC Sample # : L629132-04

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	0.0054	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-04

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-4

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 14:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	97.1			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.053	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	120.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000029	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	136.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	111.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	112.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-04

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-4

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 14:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	64.4			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-05

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 04/04/13 15:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	350	0.39	25.	mg/l		9056	04/09/13	5
Ammonia Nitrogen	0.10	0.038	0.10	mg/l	J	350.1	04/15/13	1
Nitrate-Nitrite	30.	0.23	1.0	mg/l		353.2	04/13/13	10
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.066	0.0065	0.020	mg/l		6010B	04/15/13	1
Barium,Dissolved	0.035	0.0017	0.0050	mg/l		6010B	04/15/13	1
Cadmium,Dissolved	0.0017	0.00070	0.0050	mg/l	J	6010B	04/15/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	04/15/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/15/13	1
Selenium,Dissolved	0.014	0.0074	0.020	mg/l	J	6010B	04/15/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/15/13	1
Gasoline Range Organics-NWTPH	0.037	0.032	0.10	mg/l	J	NWTPHGX	04/10/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		NWTPHGX	04/10/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 04/04/13 15:00

ESC Sample # : L629132-05

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	0.0045	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	0.00048	0.00031	0.0010	mg/l	J	8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-05

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-5

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 15:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	96.7			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.064	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	116.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000029	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	140.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	123.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	123.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

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MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-05

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 04/04/13 15:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	74.7			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-06

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-6

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	36.	0.077	5.0	mg/l		9056	04/09/13	1
Ammonia Nitrogen	0.13	0.038	0.10	mg/l		350.1	04/15/13	1
Nitrate-Nitrite	2.9	0.023	0.10	mg/l		353.2	04/13/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.012	0.0065	0.020	mg/l	J	6010B	04/15/13	1
Barium,Dissolved	0.062	0.0017	0.0050	mg/l		6010B	04/15/13	1
Cadmium,Dissolved	0.00072	0.00070	0.0050	mg/l	J	6010B	04/15/13	1
Chromium,Dissolved	0.0036	0.0014	0.010	mg/l	J	6010B	04/15/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/15/13	1
Selenium,Dissolved	U	0.0074	0.020	mg/l		6010B	04/15/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/15/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/10/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		NWTPHGX	04/10/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-6

Collected By : Dale Reynolds
Collection Date : 04/04/13 10:00

ESC Sample # : L629132-06

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-06

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-6

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	97.5			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	102.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.051	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	125.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000031	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	140.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	118.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	119.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-06

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-6

Collected By : Dale Reynolds
Collection Date : 04/04/13 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	66.9			% Rec.		8151	04/10/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-07

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-7

Collected By : Dale Reynolds
Collection Date : 04/04/13 09:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	35.	0.077	5.0	mg/l		9056	04/09/13	1
Ammonia Nitrogen	0.12	0.038	0.10	mg/l		350.1	04/15/13	1
Nitrate-Nitrite	2.5	0.023	0.10	mg/l		353.2	04/13/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	U	0.0065	0.020	mg/l		6010B	04/15/13	1
Barium,Dissolved	0.068	0.0017	0.0050	mg/l		6010B	04/15/13	1
Cadmium,Dissolved	0.00070	0.00070	0.0050	mg/l	J	6010B	04/15/13	1
Chromium,Dissolved	0.0028	0.0014	0.010	mg/l	J	6010B	04/15/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/15/13	1
Selenium,Dissolved	U	0.0074	0.020	mg/l		6010B	04/15/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/15/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/10/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		NWTPHGX	04/10/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-7

Collected By : Dale Reynolds
Collection Date : 04/04/13 09:00

ESC Sample # : L629132-07

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-07

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-7

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 09:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	97.8			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.033	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	121.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	0.000029	0.000020	0.00025	mg/l	J	8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	130.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	118.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	120.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

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MDL = Minimum Detection Limit = LOD = TRRP SDL
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Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-07

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-7

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 09:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	70.6			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-08

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-8

Collected By : Dale Reynolds
Collection Date : 04/04/13 16:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	140	0.15	10.	mg/l		9056	04/09/13	2
Ammonia Nitrogen	0.14	0.038	0.10	mg/l		350.1	04/15/13	1
Nitrate-Nitrite	5.4	0.023	0.10	mg/l		353.2	04/13/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	04/09/13	1
Arsenic,Dissolved	0.021	0.0065	0.020	mg/l		6010B	04/15/13	1
Barium,Dissolved	0.037	0.0017	0.0050	mg/l		6010B	04/15/13	1
Cadmium,Dissolved	U	0.00070	0.0050	mg/l		6010B	04/15/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	04/15/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	04/15/13	1
Selenium,Dissolved	0.0092	0.0074	0.020	mg/l	J	6010B	04/15/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	04/15/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	04/10/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		NWTPHGX	04/10/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	04/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-8

Collected By : Dale Reynolds
Collection Date : 04/04/13 16:00

ESC Sample # : L629132-08

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	04/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
1,2-Dichloropropane	0.0054	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/07/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/07/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-08

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : MW-8

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 16:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/07/13	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/07/13	1
Dibromofluoromethane	96.8			% Rec.		8260B	04/07/13	1
4-Bromofluorobenzene	101.			% Rec.		8260B	04/07/13	1
Diesel Range Organics (DRO)	0.040	0.033	0.10	mg/l	J	NWTPHDX	04/11/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	04/11/13	1
Surrogate Recovery								
o-Terphenyl	122.			% Rec.		NWTPHDX	04/11/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	04/11/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	04/11/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	04/11/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	04/11/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	04/11/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	04/11/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	04/11/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	04/11/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	04/11/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	04/11/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	04/11/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	04/11/13	1
Surrogate Recovery								
Nitrobenzene-d5	110.			% Rec.		8270C-S	04/11/13	1
2-Fluorobiphenyl	114.			% Rec.		8270C-S	04/11/13	1
p-Terphenyl-d14	111.			% Rec.		8270C-S	04/11/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	04/10/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	04/10/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	04/10/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	04/10/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-08

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : MW-8

Collected By : Dale Reynolds
Collection Date : 04/04/13 16:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	04/10/13	1
MCPA	U	0.051	0.10	mg/l		8151	04/10/13	1
MCPP	U	0.034	0.10	mg/l		8151	04/10/13	1
2,4,5-T	U	0.00015	0.0020	mg/l	J3	8151	04/10/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l	J3	8151	04/10/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	72.1			% Rec.		8151	04/10/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

ESC Sample # : L629132-09

Date Received : April 06, 2013
Description : Sunnyside, WA

Site ID : SIMPLOT SUNNYSIDE WA

Sample ID : TRIPBLANK

Project # :

Collected By : Dale Reynolds
Collection Date : 04/04/13 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	0.016	0.010	0.050	mg/l	J	8260B	04/09/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	04/09/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	04/09/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	04/09/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	04/09/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	04/09/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/09/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	04/09/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	04/09/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	04/09/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	04/09/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	04/09/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	04/09/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	04/09/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	04/09/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l	J4	8260B	04/09/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	04/09/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	04/09/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	04/09/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	04/09/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/09/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	04/09/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	04/09/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	04/09/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	04/09/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/09/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	04/09/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	04/09/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	04/09/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	04/09/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	04/09/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/16/13 09:29 Printed: 04/16/13 09:31
L629132-09 (V8260) - Previous run confirms hits

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Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

April 16, 2013

Date Received : April 06, 2013
Description : Sunnyside, WA

Sample ID : TRIPBLANK

Collected By : Dale Reynolds
Collection Date : 04/04/13 00:00

ESC Sample # : L629132-09

Site ID : SIMPLOT SUNNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	04/09/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	04/09/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	04/09/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	04/09/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	04/09/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	04/09/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	04/09/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	04/09/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	04/09/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	04/09/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	04/09/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	04/09/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	04/09/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	04/09/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	04/09/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	04/09/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	04/09/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	04/09/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	04/09/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	04/09/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	04/09/13	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	04/09/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	04/09/13	1
Surrogate Recovery								
Toluene-d8	106.			% Rec.		8260B	04/09/13	1
Dibromofluoromethane	101.			% Rec.		8260B	04/09/13	1
4-Bromofluorobenzene	97.1			% Rec.		8260B	04/09/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/16/13 09:29 Printed: 04/16/13 09:31
L629132-09 (V8260) - Previous run confirms hits

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L629132-01	WG654975	SAMP	2-Chloroethyl vinyl ether	R2606662	J3
	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG655827	SAMP	Selenium,Dissolved	R2615481	J
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-02	WG655827	SAMP	Chromium,Dissolved	R2615481	J
	WG655827	SAMP	Selenium,Dissolved	R2615481	J
	WG655809	SAMP	Ammonia Nitrogen	R2619260	JP1
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-03	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG655827	SAMP	Chromium,Dissolved	R2615481	J
	WG655827	SAMP	Lead,Dissolved	R2615481	J
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-04	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG656351	SAMP	Cadmium,Dissolved	R2619761	J
	WG656351	SAMP	Selenium,Dissolved	R2619761	J
	WG655809	SAMP	Ammonia Nitrogen	R2619260	J
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-05	WG654975	SAMP	1,2-Dichloropropane	R2606662	J
	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG656351	SAMP	Cadmium,Dissolved	R2619761	J
	WG656351	SAMP	Selenium,Dissolved	R2619761	J
	WG655809	SAMP	Ammonia Nitrogen	R2619260	J
	WG655109	SAMP	Gasoline Range Organics-NWTPH	R2610363	J
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-06	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG656351	SAMP	Arsenic,Dissolved	R2619761	J
	WG656351	SAMP	Cadmium,Dissolved	R2619761	J
	WG656351	SAMP	Chromium,Dissolved	R2619761	J
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-07	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG656351	SAMP	Cadmium,Dissolved	R2619761	J
	WG656351	SAMP	Chromium,Dissolved	R2619761	J
	WG655010	SAMP	Naphthalene	R2612242	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-08	WG655213	SAMP	Diesel Range Organics (DRO)	R2615083	J
	WG656351	SAMP	Selenium,Dissolved	R2619761	J
	WG655297	SAMP	2,4,5-T	R2611940	J3
	WG655297	SAMP	2,4,5-TP (Silvex)	R2611940	J3
L629132-09	WG655248	SAMP	Acetone	R2610546	J
	WG655248	SAMP	1,3-Dichlorobenzene	R2610546	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
04/16/13 at 09:31:03

TSR Signing Reports: 358
R5 - Desired TAT

Sample: L629132-01 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-02 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-03 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-04 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-05 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-06 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-07 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-08 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29
Diss Metals field filtered. Diss metals ph adjusted at 1100 on 4/6
Sample: L629132-09 Account: HDRBID Received: 04/06/13 09:30 Due Date: 04/15/13 00:00 RPT Date: 04/16/13 09:29

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Nancy Nething
412 E. Park Center Blvd, Ste 100

Boise, ID 83706

Quality Assurance Report
Level II

L629132

April 16, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,1,1-Trichloroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,1,2-Trichloroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,1-Dichloroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,1-Dichloroethene	< .001	mg/l			WG654975	04/07/13 02:35
1,1-Dichloropropene	< .001	mg/l			WG654975	04/07/13 02:35
1,2,3-Trichlorobenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,2,3-Trichloropropane	< .001	mg/l			WG654975	04/07/13 02:35
1,2,3-Trimethylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,2,4-Trichlorobenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,2,4-Trimethylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG654975	04/07/13 02:35
1,2-Dibromoethane	< .001	mg/l			WG654975	04/07/13 02:35
1,2-Dichlorobenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,2-Dichloroethane	< .001	mg/l			WG654975	04/07/13 02:35
1,2-Dichloropropane	< .001	mg/l			WG654975	04/07/13 02:35
1,3,5-Trimethylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,3-Dichlorobenzene	< .001	mg/l			WG654975	04/07/13 02:35
1,3-Dichloropropane	< .001	mg/l			WG654975	04/07/13 02:35
1,4-Dichlorobenzene	< .001	mg/l			WG654975	04/07/13 02:35
2,2-Dichloropropane	< .001	mg/l			WG654975	04/07/13 02:35
2-Butanone (MEK)	< .01	mg/l			WG654975	04/07/13 02:35
2-Chloroethyl vinyl ether	< .05	mg/l			WG654975	04/07/13 02:35
2-Chlorotoluene	< .001	mg/l			WG654975	04/07/13 02:35
4-Chlorotoluene	< .001	mg/l			WG654975	04/07/13 02:35
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG654975	04/07/13 02:35
Acetone	< .05	mg/l			WG654975	04/07/13 02:35
Acrolein	< .025	mg/l			WG654975	04/07/13 02:35
Acrylonitrile	< .01	mg/l			WG654975	04/07/13 02:35
Benzene	< .001	mg/l			WG654975	04/07/13 02:35
Bromobenzene	< .001	mg/l			WG654975	04/07/13 02:35
Bromodichloromethane	< .001	mg/l			WG654975	04/07/13 02:35
Bromoform	< .001	mg/l			WG654975	04/07/13 02:35
Bromomethane	< .005	mg/l			WG654975	04/07/13 02:35
Carbon tetrachloride	< .001	mg/l			WG654975	04/07/13 02:35
Chlorobenzene	< .001	mg/l			WG654975	04/07/13 02:35
Chlorodibromomethane	< .001	mg/l			WG654975	04/07/13 02:35
Chloroethane	< .005	mg/l			WG654975	04/07/13 02:35
Chloroform	< .005	mg/l			WG654975	04/07/13 02:35
Chloromethane	< .0025	mg/l			WG654975	04/07/13 02:35
cis-1,2-Dichloroethene	< .001	mg/l			WG654975	04/07/13 02:35
cis-1,3-Dichloropropene	< .001	mg/l			WG654975	04/07/13 02:35
Di-isopropyl ether	< .001	mg/l			WG654975	04/07/13 02:35
Dibromomethane	< .001	mg/l			WG654975	04/07/13 02:35
Dichlorodifluoromethane	< .005	mg/l			WG654975	04/07/13 02:35
Ethylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
Hexachloro-1,3-butadiene	< .001	mg/l			WG654975	04/07/13 02:35
Isopropylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
Methyl tert-butyl ether	< .001	mg/l			WG654975	04/07/13 02:35
Methylene Chloride	< .005	mg/l			WG654975	04/07/13 02:35
n-Butylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
n-Propylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
Naphthalene	< .005	mg/l			WG654975	04/07/13 02:35
p-Isopropyltoluene	< .001	mg/l			WG654975	04/07/13 02:35
sec-Butylbenzene	< .001	mg/l			WG654975	04/07/13 02:35
Styrene	< .001	mg/l			WG654975	04/07/13 02:35
tert-Butylbenzene	< .001	mg/l			WG654975	04/07/13 02:35

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Nancy Nething
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Quality Assurance Report
Level II

L629132

April 16, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/l			WG654975	04/07/13 02:35
Toluene	< .005	mg/l			WG654975	04/07/13 02:35
trans-1,2-Dichloroethene	< .001	mg/l			WG654975	04/07/13 02:35
trans-1,3-Dichloropropene	< .001	mg/l			WG654975	04/07/13 02:35
Trichloroethene	< .001	mg/l			WG654975	04/07/13 02:35
Trichlorofluoromethane	< .005	mg/l			WG654975	04/07/13 02:35
Vinyl chloride	< .001	mg/l			WG654975	04/07/13 02:35
Xylenes, Total	< .003	mg/l			WG654975	04/07/13 02:35
4-Bromofluorobenzene		% Rec.	102.8	82-120	WG654975	04/07/13 02:35
Dibromofluoromethane		% Rec.	97.48	82-126	WG654975	04/07/13 02:35
Toluene-d8		% Rec.	100.8	92-112	WG654975	04/07/13 02:35
Gasoline Range Organics-NWTPH	< .1	mg/l			WG655066	04/08/13 12:50
a,a,a-Trifluorotoluene(FID)		% Rec.	100.2	62-128	WG655066	04/08/13 12:50
Mercury,Dissolved	< .0002	mg/l			WG654907	04/09/13 12:13
Gasoline Range Organics-NWTPH	< .1	mg/l			WG655109	04/10/13 05:48
a,a,a-Trifluorotoluene(FID)		% Rec.	102.1	62-128	WG655109	04/10/13 05:48
Sulfate	< 5	mg/l			WG655223	04/09/13 07:50
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,1,1-Trichloroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,1,2-Trichloroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,1-Dichloroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,1-Dichloroethene	< .001	mg/l			WG655248	04/09/13 12:06
1,1-Dichloropropene	< .001	mg/l			WG655248	04/09/13 12:06
1,2,3-Trichlorobenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,2,3-Trichloropropane	< .001	mg/l			WG655248	04/09/13 12:06
1,2,3-Trimethylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,2,4-Trichlorobenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,2,4-Trimethylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG655248	04/09/13 12:06
1,2-Dibromoethane	< .001	mg/l			WG655248	04/09/13 12:06
1,2-Dichlorobenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,2-Dichloroethane	< .001	mg/l			WG655248	04/09/13 12:06
1,2-Dichloropropane	< .001	mg/l			WG655248	04/09/13 12:06
1,3,5-Trimethylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,3-Dichlorobenzene	< .001	mg/l			WG655248	04/09/13 12:06
1,3-Dichloropropane	< .001	mg/l			WG655248	04/09/13 12:06
1,4-Dichlorobenzene	< .001	mg/l			WG655248	04/09/13 12:06
2,2-Dichloropropane	< .001	mg/l			WG655248	04/09/13 12:06
2-Butanone (MEK)	< .01	mg/l			WG655248	04/09/13 12:06
2-Chloroethyl vinyl ether	< .05	mg/l			WG655248	04/09/13 12:06
2-Chlorotoluene	< .001	mg/l			WG655248	04/09/13 12:06
4-Chlorotoluene	< .001	mg/l			WG655248	04/09/13 12:06
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG655248	04/09/13 12:06
Acetone	< .05	mg/l			WG655248	04/09/13 12:06
Acrolein	< .025	mg/l			WG655248	04/09/13 12:06
Acrylonitrile	< .01	mg/l			WG655248	04/09/13 12:06
Benzene	< .001	mg/l			WG655248	04/09/13 12:06

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For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

HDR - Boise, ID
Nancy Nething
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Quality Assurance Report
Level II

L629132

April 16, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Bromobenzene	< .001	mg/l			WG655248	04/09/13 12:06
Bromodichloromethane	< .001	mg/l			WG655248	04/09/13 12:06
Bromoform	< .001	mg/l			WG655248	04/09/13 12:06
Bromomethane	< .005	mg/l			WG655248	04/09/13 12:06
Carbon tetrachloride	< .001	mg/l			WG655248	04/09/13 12:06
Chlorobenzene	< .001	mg/l			WG655248	04/09/13 12:06
Chlorodibromomethane	< .001	mg/l			WG655248	04/09/13 12:06
Chloroethane	< .005	mg/l			WG655248	04/09/13 12:06
Chloroform	< .005	mg/l			WG655248	04/09/13 12:06
Chloromethane	< .0025	mg/l			WG655248	04/09/13 12:06
cis-1,2-Dichloroethene	< .001	mg/l			WG655248	04/09/13 12:06
cis-1,3-Dichloropropene	< .001	mg/l			WG655248	04/09/13 12:06
Di-isopropyl ether	< .001	mg/l			WG655248	04/09/13 12:06
Dibromomethane	< .001	mg/l			WG655248	04/09/13 12:06
Dichlorodifluoromethane	< .005	mg/l			WG655248	04/09/13 12:06
Ethylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
Hexachloro-1,3-butadiene	< .001	mg/l			WG655248	04/09/13 12:06
Isopropylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
Methyl tert-butyl ether	< .001	mg/l			WG655248	04/09/13 12:06
Methylene Chloride	< .005	mg/l			WG655248	04/09/13 12:06
n-Butylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
n-Propylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
Naphthalene	< .005	mg/l			WG655248	04/09/13 12:06
p-Isopropyltoluene	< .001	mg/l			WG655248	04/09/13 12:06
sec-Butylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
Styrene	< .001	mg/l			WG655248	04/09/13 12:06
tert-Butylbenzene	< .001	mg/l			WG655248	04/09/13 12:06
Tetrachloroethene	< .001	mg/l			WG655248	04/09/13 12:06
Toluene	< .005	mg/l			WG655248	04/09/13 12:06
trans-1,2-Dichloroethene	< .001	mg/l			WG655248	04/09/13 12:06
trans-1,3-Dichloropropene	< .001	mg/l			WG655248	04/09/13 12:06
Trichloroethene	< .001	mg/l			WG655248	04/09/13 12:06
Trichlorofluoromethane	< .005	mg/l			WG655248	04/09/13 12:06
Vinyl chloride	< .001	mg/l			WG655248	04/09/13 12:06
Xylenes, Total	< .003	mg/l			WG655248	04/09/13 12:06
4-Bromofluorobenzene		% Rec.	96.49	82-120	WG655248	04/09/13 12:06
Dibromofluoromethane		% Rec.	102.5	82-126	WG655248	04/09/13 12:06
Toluene-d8		% Rec.	104.3	92-112	WG655248	04/09/13 12:06
2,4,5-T	< .002	mg/l			WG655297	04/10/13 18:30
2,4,5-TP (Silvex)	< .002	mg/l			WG655297	04/10/13 18:30
2,4-D	< .002	mg/l			WG655297	04/10/13 18:30
2,4-DB	< .002	mg/l			WG655297	04/10/13 18:30
Dalapon	< .2	mg/l			WG655297	04/10/13 18:30
Dicamba	< .002	mg/l			WG655297	04/10/13 18:30
Dichloroprop	< .002	mg/l			WG655297	04/10/13 18:30
Dinoseb	< .002	mg/l			WG655297	04/10/13 18:30
MCPA	< .1	mg/l			WG655297	04/10/13 18:30
MCPP	< .1	mg/l			WG655297	04/10/13 18:30
2,4-Dichlorophenyl Acetic Acid		% Rec.	68.40	23.3-142	WG655297	04/10/13 18:30
Diesel Range Organics (DRO)	< .1	mg/l			WG655213	04/11/13 11:57
Residual Range Organics (RRO)	< .25	mg/l			WG655213	04/11/13 11:57
o-Terphenyl		% Rec.	118.0	50-150	WG655213	04/11/13 11:57
Arsenic,Dissolved	< .02	mg/l			WG655827	04/11/13 23:10

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Quality Assurance Report
Level II

L629132

April 16, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Barium,Dissolved	< .005	mg/l			WG655827	04/11/13 23:10
Cadmium,Dissolved	< .005	mg/l			WG655827	04/11/13 23:10
Chromium,Dissolved	< .01	mg/l			WG655827	04/11/13 23:10
Lead,Dissolved	< .005	mg/l			WG655827	04/11/13 23:10
Selenium,Dissolved	< .02	mg/l			WG655827	04/11/13 23:10
Silver,Dissolved	< .01	mg/l			WG655827	04/11/13 23:10
Nitrate-Nitrite	< .1	mg/l			WG655984	04/13/13 14:03
Ammonia Nitrogen	< .1	mg/l			WG655809	04/15/13 12:43
Arsenic,Dissolved	< .02	mg/l			WG656351	04/15/13 19:03
Barium,Dissolved	< .005	mg/l			WG656351	04/15/13 19:03
Cadmium,Dissolved	< .005	mg/l			WG656351	04/15/13 19:03
Chromium,Dissolved	< .01	mg/l			WG656351	04/15/13 19:03
Lead,Dissolved	< .005	mg/l			WG656351	04/15/13 19:03
Selenium,Dissolved	< .02	mg/l			WG656351	04/15/13 19:03
Silver,Dissolved	< .01	mg/l			WG656351	04/15/13 19:03

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury,Dissolved	mg/l	0	0.00000557	21.0*	20	L629126-01	WG654907
Cadmium,Dissolved	mg/l	0.130	0.120	8.00	20	L628997-08	WG655827
Lead,Dissolved	mg/l	0.420	0.388	7.92	20	L628997-08	WG655827
Silver,Dissolved	mg/l	0.160	0.170	6.06	20	L628997-08	WG655827
Barium,Dissolved	mg/l	0	0	0	20	L628997-08	WG655827
Chromium,Dissolved	mg/l	0	0	0	20	L628997-08	WG655827
Arsenic,Dissolved	mg/l	1.50	1.54	2.63	20	L628997-08	WG655827
Selenium,Dissolved	mg/l	0	0	0	20	L628997-08	WG655827
Nitrate-Nitrite	mg/l	1.40	1.40	0	20	L629901-04	WG655984
Nitrate-Nitrite	mg/l	0.620	0.620	0	20	L628896-01	WG655984
Ammonia Nitrogen	mg/l	0.0920	0.0510	57.1*	20	L629132-02	WG655809
Ammonia Nitrogen	mg/l	0.120	0.230	62.9*	20	L629026-01	WG655809
Arsenic,Dissolved	mg/l	0	0	0	20	L629893-08	WG656351
Barium,Dissolved	mg/l	0.110	0.110	0	20	L629893-08	WG656351
Cadmium,Dissolved	mg/l	0	0	0	20	L629893-08	WG656351
Chromium,Dissolved	mg/l	0	0	0	20	L629893-08	WG656351
Lead,Dissolved	mg/l	0	0	0	20	L629893-08	WG656351
Selenium,Dissolved	mg/l	0	0	0	20	L629893-08	WG656351
Silver,Dissolved	mg/l	0	0	0	20	L629893-08	WG656351

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0224	89.6	77-128	WG654975
1,1,1-Trichloroethane	mg/l	.025	0.0219	87.6	71-126	WG654975
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0208	83.0	78-130	WG654975

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Quality Assurance Report
Level II

L629132

April 16, 2013

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichloroethane	mg/l	.025	0.0222	89.0	81-121	WG654975
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0230	92.2	53-143	WG654975
1,1-Dichloroethane	mg/l	.025	0.0217	86.8	73-123	WG654975
1,1-Dichloroethene	mg/l	.025	0.0203	81.3	54-134	WG654975
1,1-Dichloropropene	mg/l	.025	0.0212	84.8	67-127	WG654975
1,2,3-Trichlorobenzene	mg/l	.025	0.0238	95.2	77-130	WG654975
1,2,3-Trichloropropane	mg/l	.025	0.0219	87.8	68-130	WG654975
1,2,3-Trimethylbenzene	mg/l	.025	0.0211	84.4	77-126	WG654975
1,2,4-Trichlorobenzene	mg/l	.025	0.0245	98.2	76-127	WG654975
1,2,4-Trimethylbenzene	mg/l	.025	0.0225	89.9	77-129	WG654975
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0208	83.1	55-142	WG654975
1,2-Dibromoethane	mg/l	.025	0.0222	88.6	78-124	WG654975
1,2-Dichlorobenzene	mg/l	.025	0.0223	89.3	82-121	WG654975
1,2-Dichloroethane	mg/l	.025	0.0214	85.6	69-128	WG654975
1,2-Dichloropropane	mg/l	.025	0.0223	89.2	77-121	WG654975
1,3,5-Trimethylbenzene	mg/l	.025	0.0228	91.2	78-127	WG654975
1,3-Dichlorobenzene	mg/l	.025	0.0224	89.7	77-127	WG654975
1,3-Dichloropropane	mg/l	.025	0.0221	88.3	78-117	WG654975
1,4-Dichlorobenzene	mg/l	.025	0.0219	87.5	79-117	WG654975
2,2-Dichloropropane	mg/l	.025	0.0225	89.9	63-130	WG654975
2-Butanone (MEK)	mg/l	.125	0.123	98.3	58-144	WG654975
2-Chloroethyl vinyl ether	mg/l	.125	0.194	155.	26-172	WG654975
2-Chlorotoluene	mg/l	.025	0.0219	87.5	78-123	WG654975
4-Chlorotoluene	mg/l	.025	0.0225	89.9	78-122	WG654975
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.121	97.0	58-147	WG654975
Acetone	mg/l	.125	0.127	102.	49-153	WG654975
Acrolein	mg/l	.125	0.125	100.	10-181	WG654975
Acrylonitrile	mg/l	.125	0.0941	75.3	53-153	WG654975
Benzene	mg/l	.025	0.0211	84.6	72-119	WG654975
Bromobenzene	mg/l	.025	0.0223	89.3	76-121	WG654975
Bromodichloromethane	mg/l	.025	0.0221	88.4	75-127	WG654975
Bromoform	mg/l	.025	0.0221	88.5	61-136	WG654975
Bromomethane	mg/l	.025	0.0194	77.7	42-172	WG654975
Carbon tetrachloride	mg/l	.025	0.0215	86.2	63-129	WG654975
Chlorobenzene	mg/l	.025	0.0223	89.3	78-123	WG654975
Chlorodibromomethane	mg/l	.025	0.0224	89.6	73-128	WG654975
Chloroethane	mg/l	.025	0.0217	86.8	52-164	WG654975
Chloroform	mg/l	.025	0.0257	103.	76-122	WG654975
Chloromethane	mg/l	.025	0.0204	81.8	50-141	WG654975
cis-1,2-Dichloroethene	mg/l	.025	0.0221	88.4	75-121	WG654975
cis-1,3-Dichloropropene	mg/l	.025	0.0227	90.9	74-124	WG654975
Di-isopropyl ether	mg/l	.025	0.0231	92.6	66-129	WG654975
Dibromomethane	mg/l	.025	0.0221	88.3	77-124	WG654975
Dichlorodifluoromethane	mg/l	.025	0.0197	78.7	33-173	WG654975
Ethylbenzene	mg/l	.025	0.0224	89.8	77-124	WG654975
Hexachloro-1,3-butadiene	mg/l	.025	0.0204	81.6	71-134	WG654975
Isopropylbenzene	mg/l	.025	0.0247	98.8	74-126	WG654975
Methyl tert-butyl ether	mg/l	.025	0.0229	91.7	67-127	WG654975
Methylene Chloride	mg/l	.025	0.0206	82.6	67-122	WG654975
n-Butylbenzene	mg/l	.025	0.0229	91.6	74-130	WG654975
n-Propylbenzene	mg/l	.025	0.0225	89.8	77-125	WG654975
Naphthalene	mg/l	.025	0.0228	91.0	70-134	WG654975
p-Isopropyltoluene	mg/l	.025	0.0233	93.2	77-132	WG654975
sec-Butylbenzene	mg/l	.025	0.0224	89.7	77-130	WG654975
Styrene	mg/l	.025	0.0240	96.0	69-145	WG654975
tert-Butylbenzene	mg/l	.025	0.0225	90.0	76-131	WG654975
Tetrachloroethene	mg/l	.025	0.0222	88.6	69-131	WG654975
Toluene	mg/l	.025	0.0220	88.1	75-114	WG654975
trans-1,2-Dichloroethene	mg/l	.025	0.0205	82.0	63-127	WG654975

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Quality Assurance Report
Level II

L629132

April 16, 2013

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
trans-1,3-Dichloropropene	mg/l	.025	0.0230	92.2	69-124	WG654975
Trichloroethene	mg/l	.025	0.0216	86.3	69-131	WG654975
Trichlorofluoromethane	mg/l	.025	0.0210	84.0	53-161	WG654975
Vinyl chloride	mg/l	.025	0.0201	80.4	55-142	WG654975
Xylenes, Total	mg/l	.075	0.0680	90.7	77-123	WG654975
4-Bromofluorobenzene				100.5	82-120	WG654975
Dibromofluoromethane				99.46	82-126	WG654975
Toluene-d8				102.2	92-112	WG654975
Gasoline Range Organics-NWTPH	mg/l	5.5	5.64	103.	70-124	WG655066
a,a,a-Trifluorotoluene(FID)				108.2	62-128	WG655066
Mercury,Dissolved	mg/l	.003	0.00280	93.2	85-115	WG654907
Gasoline Range Organics-NWTPH	mg/l	5.5	5.38	97.8	70-124	WG655109
a,a,a-Trifluorotoluene(FID)				103.2	62-128	WG655109
Sulfate	mg/l	40	40.7	102.	90-110	WG655223
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0214	85.6	77-128	WG655248
1,1,1-Trichloroethane	mg/l	.025	0.0225	89.8	71-126	WG655248
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0212	84.8	78-130	WG655248
1,1,2-Trichloroethane	mg/l	.025	0.0227	90.9	81-121	WG655248
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0240	96.1	53-143	WG655248
1,1-Dichloroethane	mg/l	.025	0.0216	86.5	73-123	WG655248
1,1-Dichloroethene	mg/l	.025	0.0238	95.2	54-134	WG655248
1,1-Dichloropropene	mg/l	.025	0.0221	88.5	67-127	WG655248
1,2,3-Trichlorobenzene	mg/l	.025	0.0218	87.3	77-130	WG655248
1,2,3-Trichloropropane	mg/l	.025	0.0208	83.2	68-130	WG655248
1,2,3-Trimethylbenzene	mg/l	.025	0.0230	92.0	77-126	WG655248
1,2,4-Trichlorobenzene	mg/l	.025	0.0228	91.2	76-127	WG655248
1,2,4-Trimethylbenzene	mg/l	.025	0.0206	82.5	77-129	WG655248
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0241	96.3	55-142	WG655248
1,2-Dibromoethane	mg/l	.025	0.0234	93.4	78-124	WG655248
1,2-Dichlorobenzene	mg/l	.025	0.0224	89.7	82-121	WG655248
1,2-Dichloroethane	mg/l	.025	0.0225	89.8	69-128	WG655248
1,2-Dichloropropane	mg/l	.025	0.0222	88.7	77-121	WG655248
1,3,5-Trimethylbenzene	mg/l	.025	0.0208	83.3	78-127	WG655248
1,3-Dichlorobenzene	mg/l	.025	0.0192	76.7*	77-127	WG655248
1,3-Dichloropropane	mg/l	.025	0.0227	91.0	78-117	WG655248
1,4-Dichlorobenzene	mg/l	.025	0.0232	93.0	79-117	WG655248
2,2-Dichloropropane	mg/l	.025	0.0207	82.7	63-130	WG655248
2-Butanone (MEK)	mg/l	.125	0.115	92.1	58-144	WG655248
2-Chloroethyl vinyl ether	mg/l	.125	0.136	109.	26-172	WG655248
2-Chlorotoluene	mg/l	.025	0.0222	89.0	78-123	WG655248
4-Chlorotoluene	mg/l	.025	0.0212	84.7	78-122	WG655248
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.118	94.8	58-147	WG655248
Acetone	mg/l	.125	0.111	89.0	49-153	WG655248
Acrolein	mg/l	.125	0.0739	59.2	10-181	WG655248
Acrylonitrile	mg/l	.125	0.111	89.1	53-153	WG655248
Benzene	mg/l	.025	0.0218	87.2	72-119	WG655248
Bromobenzene	mg/l	.025	0.0207	82.9	76-121	WG655248
Bromodichloromethane	mg/l	.025	0.0225	90.1	75-127	WG655248
Bromoform	mg/l	.025	0.0232	93.0	61-136	WG655248

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Bromomethane	mg/l	.025	0.0287	115.	42-172	WG655248
Carbon tetrachloride	mg/l	.025	0.0225	90.2	63-129	WG655248
Chlorobenzene	mg/l	.025	0.0222	88.6	78-123	WG655248
Chlorodibromomethane	mg/l	.025	0.0233	93.1	73-128	WG655248
Chloroethane	mg/l	.025	0.0289	115.	52-164	WG655248
Chloroform	mg/l	.025	0.0225	89.9	76-122	WG655248
Chloromethane	mg/l	.025	0.0226	90.5	50-141	WG655248
cis-1,2-Dichloroethene	mg/l	.025	0.0212	84.8	75-121	WG655248
cis-1,3-Dichloropropene	mg/l	.025	0.0239	95.7	74-124	WG655248
Di-isopropyl ether	mg/l	.025	0.0221	88.6	66-129	WG655248
Dibromomethane	mg/l	.025	0.0229	91.5	77-124	WG655248
Dichlorodifluoromethane	mg/l	.025	0.0217	86.9	33-173	WG655248
Ethylbenzene	mg/l	.025	0.0227	91.0	77-124	WG655248
Hexachloro-1,3-butadiene	mg/l	.025	0.0225	89.8	71-134	WG655248
Isopropylbenzene	mg/l	.025	0.0226	90.6	74-126	WG655248
Methyl tert-butyl ether	mg/l	.025	0.0221	88.3	67-127	WG655248
Methylene Chloride	mg/l	.025	0.0206	82.3	67-122	WG655248
n-Butylbenzene	mg/l	.025	0.0254	102.	74-130	WG655248
n-Propylbenzene	mg/l	.025	0.0219	87.8	77-125	WG655248
Naphthalene	mg/l	.025	0.0226	90.5	70-134	WG655248
p-Isopropyltoluene	mg/l	.025	0.0213	85.2	77-132	WG655248
sec-Butylbenzene	mg/l	.025	0.0210	83.8	77-130	WG655248
Styrene	mg/l	.025	0.0230	92.0	69-145	WG655248
tert-Butylbenzene	mg/l	.025	0.0208	83.3	76-131	WG655248
Tetrachloroethene	mg/l	.025	0.0217	86.8	69-131	WG655248
Toluene	mg/l	.025	0.0226	90.4	75-114	WG655248
trans-1,2-Dichloroethene	mg/l	.025	0.0214	85.5	63-127	WG655248
trans-1,3-Dichloropropene	mg/l	.025	0.0231	92.4	69-124	WG655248
Trichloroethene	mg/l	.025	0.0212	84.8	69-131	WG655248
Trichlorofluoromethane	mg/l	.025	0.0270	108.	53-161	WG655248
Vinyl chloride	mg/l	.025	0.0272	109.	55-142	WG655248
Xylenes, Total	mg/l	.075	0.0676	90.1	77-123	WG655248
4-Bromofluorobenzene				93.30	82-120	WG655248
Dibromofluoromethane				103.0	82-126	WG655248
Toluene-d8				104.6	92-112	WG655248
2,4,5-T	mg/l	.005	0.00371	74.1	53.9-119	WG655297
2,4,5-TP (Silvex)	mg/l	.005	0.00412	82.4	60.8-121	WG655297
2,4-D	mg/l	.005	0.00334	66.8	52.4-110	WG655297
2,4-DB	mg/l	.005	0.00373	74.6	33.9-123	WG655297
Dalapon	mg/l	.005	0.00305	60.9	41.8-105	WG655297
Dicamba	mg/l	.005	0.00482	96.5	61.9-114	WG655297
Dichloroprop	mg/l	.005	0.00446	89.1	63-129	WG655297
Dinoseb	mg/l	.005	0.00428	85.6	43.7-121	WG655297
MCPA	mg/l	.5	0.356	71.1	10-184	WG655297
MCPP	mg/l	.5	0.406	81.2	55.3-188	WG655297
2,4-Dichlorophenyl Acetic Acid				84.70	23.3-142	WG655297
Diesel Range Organics (DRO)	mg/l	.75	0.854	114.	50-150	WG655213
Residual Range Organics (RRO)	mg/l	.75	0.957	128.	50-150	WG655213
o-Terphenyl				107.0	50-150	WG655213
Arsenic,Dissolved	mg/l	1.11	1.08	97.3	85-115	WG655827
Barium,Dissolved	mg/l	1.11	1.10	99.1	85-115	WG655827
Cadmium,Dissolved	mg/l	1.11	1.06	95.5	85-115	WG655827
Chromium,Dissolved	mg/l	1.11	1.10	99.1	85-115	WG655827

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Boise, ID 83706

Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Lead,Dissolved	mg/l	1.11	1.15	104.	85-115	WG655827
Selenium,Dissolved	mg/l	1.11	1.10	99.1	85-115	WG655827
Silver,Dissolved	mg/l	1.11	1.06	95.5	85-115	WG655827
Nitrate-Nitrite	mg/l	5	4.88	97.6	90-110	WG655984
Ammonia Nitrogen	mg/l	7.5	7.31	97.5	90-110	WG655809
Arsenic,Dissolved	mg/l	1.11	1.11	100.	85-115	WG656351
Barium,Dissolved	mg/l	1.11	1.18	106.	85-115	WG656351
Cadmium,Dissolved	mg/l	1.11	1.16	105.	85-115	WG656351
Chromium,Dissolved	mg/l	1.11	1.17	105.	85-115	WG656351
Lead,Dissolved	mg/l	1.11	1.17	105.	85-115	WG656351
Selenium,Dissolved	mg/l	1.11	1.11	100.	85-115	WG656351
Silver,Dissolved	mg/l	1.11	1.12	101.	85-115	WG656351

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0238	0.0224	95.0	77-128	5.92	20	WG654975
1,1,1-Trichloroethane	mg/l	0.0227	0.0219	91.0	71-126	3.52	20	WG654975
1,1,2,2-Tetrachloroethane	mg/l	0.0217	0.0208	87.0	78-130	4.23	20	WG654975
1,1,2-Trichloroethane	mg/l	0.0233	0.0222	93.0	81-121	4.75	20	WG654975
1,1,2-Trichlorotrifluoroethane	mg/l	0.0237	0.0230	95.0	53-143	2.70	20	WG654975
1,1-Dichloroethane	mg/l	0.0225	0.0217	90.0	73-123	3.47	20	WG654975
1,1-Dichloroethene	mg/l	0.0213	0.0203	85.0	54-134	4.65	20	WG654975
1,1-Dichloropropene	mg/l	0.0222	0.0212	89.0	67-127	4.68	20	WG654975
1,2,3-Trichlorobenzene	mg/l	0.0249	0.0238	100.	77-130	4.57	20	WG654975
1,2,3-Trichloropropane	mg/l	0.0224	0.0219	90.0	68-130	2.15	20	WG654975
1,2,3-Trimethylbenzene	mg/l	0.0216	0.0211	86.0	77-126	2.42	20	WG654975
1,2,4-Trichlorobenzene	mg/l	0.0257	0.0245	103.	76-127	4.77	20	WG654975
1,2,4-Trimethylbenzene	mg/l	0.0232	0.0225	93.0	77-129	3.24	20	WG654975
1,2-Dibromo-3-Chloropropane	mg/l	0.0208	0.0208	83.0	55-142	0.0400	20	WG654975
1,2-Dibromoethane	mg/l	0.0232	0.0222	93.0	78-124	4.53	20	WG654975
1,2-Dichlorobenzene	mg/l	0.0229	0.0223	92.0	82-121	2.59	20	WG654975
1,2-Dichloroethane	mg/l	0.0220	0.0214	88.0	69-128	2.63	20	WG654975
1,2-Dichloropropane	mg/l	0.0229	0.0223	92.0	77-121	2.60	20	WG654975
1,3,5-Trimethylbenzene	mg/l	0.0237	0.0228	95.0	78-127	3.81	20	WG654975
1,3-Dichlorobenzene	mg/l	0.0231	0.0224	92.0	77-127	2.85	20	WG654975
1,3-Dichloropropane	mg/l	0.0228	0.0221	91.0	78-117	3.18	20	WG654975
1,4-Dichlorobenzene	mg/l	0.0230	0.0219	92.0	79-117	5.07	20	WG654975
2,2-Dichloropropane	mg/l	0.0232	0.0225	93.0	63-130	3.41	20	WG654975
2-Butanone (MEK)	mg/l	0.124	0.123	99.0	58-144	0.870	20	WG654975
2-Chloroethyl vinyl ether	mg/l	0.201	0.194	160.	26-172	3.55	22	WG654975
2-Chlorotoluene	mg/l	0.0228	0.0219	91.0	78-123	4.32	20	WG654975
4-Chlorotoluene	mg/l	0.0233	0.0225	93.0	78-122	3.46	20	WG654975
4-Methyl-2-pentanone (MIBK)	mg/l	0.124	0.121	99.0	58-147	2.22	20	WG654975
Acetone	mg/l	0.127	0.127	102.	49-153	0.0200	21	WG654975
Acrolein	mg/l	0.128	0.125	102.	10-181	2.21	30	WG654975
Acrylonitrile	mg/l	0.0975	0.0941	78.0	53-153	3.55	20	WG654975
Benzene	mg/l	0.0221	0.0211	88.0	72-119	4.59	20	WG654975
Bromobenzene	mg/l	0.0230	0.0223	92.0	76-121	2.91	20	WG654975
Bromodichloromethane	mg/l	0.0227	0.0221	91.0	75-127	2.45	20	WG654975
Bromoform	mg/l	0.0234	0.0221	94.0	61-136	5.55	20	WG654975
Bromomethane	mg/l	0.0201	0.0194	80.0	42-172	3.32	20	WG654975
Carbon tetrachloride	mg/l	0.0220	0.0215	88.0	63-129	2.34	20	WG654975

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Chlorobenzene	mg/l	0.0231	0.0223	92.0	78-123	3.52	20	WG654975
Chlorodibromomethane	mg/l	0.0227	0.0224	91.0	73-128	1.14	20	WG654975
Chloroethane	mg/l	0.0220	0.0217	88.0	52-164	1.42	20	WG654975
Chloroform	mg/l	0.0265	0.0257	106.	76-122	3.24	20	WG654975
Chloromethane	mg/l	0.0210	0.0204	84.0	50-141	2.62	20	WG654975
cis-1,2-Dichloroethene	mg/l	0.0225	0.0221	90.0	75-121	1.62	20	WG654975
cis-1,3-Dichloropropene	mg/l	0.0236	0.0227	94.0	74-124	3.92	20	WG654975
Di-isopropyl ether	mg/l	0.0238	0.0231	95.0	66-129	2.77	20	WG654975
Dibromomethane	mg/l	0.0224	0.0221	90.0	77-124	1.52	20	WG654975
Dichlorodifluoromethane	mg/l	0.0204	0.0197	82.0	33-173	3.74	20	WG654975
Ethylbenzene	mg/l	0.0234	0.0224	94.0	77-124	4.23	20	WG654975
Hexachloro-1,3-butadiene	mg/l	0.0214	0.0204	86.0	71-134	5.00	20	WG654975
Isopropylbenzene	mg/l	0.0258	0.0247	103.	74-126	4.33	20	WG654975
Methyl tert-butyl ether	mg/l	0.0237	0.0229	95.0	67-127	3.36	20	WG654975
Methylene Chloride	mg/l	0.0213	0.0206	85.0	67-122	3.10	20	WG654975
n-Butylbenzene	mg/l	0.0236	0.0229	94.0	74-130	3.05	20	WG654975
n-Propylbenzene	mg/l	0.0233	0.0225	93.0	77-125	3.54	20	WG654975
Naphthalene	mg/l	0.0236	0.0228	94.0	70-134	3.80	20	WG654975
p-Isopropyltoluene	mg/l	0.0242	0.0233	97.0	77-132	3.96	20	WG654975
sec-Butylbenzene	mg/l	0.0233	0.0224	93.0	77-130	4.03	20	WG654975
Styrene	mg/l	0.0250	0.0240	100.	69-145	4.08	20	WG654975
tert-Butylbenzene	mg/l	0.0232	0.0225	93.0	76-131	2.95	20	WG654975
Tetrachloroethene	mg/l	0.0226	0.0222	90.0	69-131	2.12	20	WG654975
Toluene	mg/l	0.0226	0.0220	90.0	75-114	2.67	20	WG654975
trans-1,2-Dichloroethene	mg/l	0.0211	0.0205	84.0	63-127	2.81	20	WG654975
trans-1,3-Dichloropropene	mg/l	0.0242	0.0230	97.0	69-124	4.98	20	WG654975
Trichloroethene	mg/l	0.0222	0.0216	89.0	69-131	2.67	20	WG654975
Trichlorofluoromethane	mg/l	0.0217	0.0210	87.0	53-161	3.06	20	WG654975
Vinyl chloride	mg/l	0.0209	0.0201	84.0	55-142	4.14	20	WG654975
Xylenes, Total	mg/l	0.0703	0.0680	94.0	77-123	3.24	20	WG654975
4-Bromofluorobenzene				99.85	82-120			WG654975
Dibromofluoromethane				100.7	82-126			WG654975
Toluene-d8				102.3	92-112			WG654975
Gasoline Range Organics-NWTPH	mg/l	5.89	5.64	107.	70-124	4.40	20	WG655066
a,a,a-Trifluorotoluene(FID)				109.7	62-128			WG655066
Gasoline Range Organics-NWTPH	mg/l	5.71	5.38	104.	70-124	5.97	20	WG655109
a,a,a-Trifluorotoluene(FID)				103.5	62-128			WG655109
Sulfate	mg/l	40.7	40.7	102.	90-110	0	20	WG655223
1,1,1,2-Tetrachloroethane	mg/l	0.0213	0.0214	85.0	77-128	0.430	20	WG655248
1,1,1-Trichloroethane	mg/l	0.0217	0.0225	87.0	71-126	3.23	20	WG655248
1,1,2,2-Tetrachloroethane	mg/l	0.0223	0.0212	89.0	78-130	5.23	20	WG655248
1,1,2-Trichloroethane	mg/l	0.0232	0.0227	93.0	81-121	2.19	20	WG655248
1,1,2-Trichlorotrifluoroethane	mg/l	0.0232	0.0240	93.0	53-143	3.55	20	WG655248
1,1-Dichloroethane	mg/l	0.0209	0.0216	84.0	73-123	3.24	20	WG655248
1,1-Dichloroethene	mg/l	0.0226	0.0238	90.0	54-134	5.32	20	WG655248
1,1-Dichloropropene	mg/l	0.0215	0.0221	86.0	67-127	2.70	20	WG655248
1,2,3-Trichlorobenzene	mg/l	0.0237	0.0218	95.0	77-130	8.12	20	WG655248
1,2,3-Trichloropropane	mg/l	0.0212	0.0208	85.0	68-130	2.18	20	WG655248
1,2,3-Trimethylbenzene	mg/l	0.0226	0.0230	90.0	77-126	1.74	20	WG655248
1,2,4-Trichlorobenzene	mg/l	0.0243	0.0228	97.0	76-127	6.21	20	WG655248
1,2,4-Trimethylbenzene	mg/l	0.0212	0.0206	85.0	77-129	2.87	20	WG655248

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,2-Dibromo-3-Chloropropane	mg/l	0.0251	0.0241	100.	55-142	4.24	20	WG655248
1,2-Dibromoethane	mg/l	0.0238	0.0234	95.0	78-124	1.73	20	WG655248
1,2-Dichlorobenzene	mg/l	0.0226	0.0224	90.0	82-121	0.610	20	WG655248
1,2-Dichloroethane	mg/l	0.0221	0.0225	88.0	69-128	1.41	20	WG655248
1,2-Dichloropropane	mg/l	0.0219	0.0222	87.0	77-121	1.43	20	WG655248
1,3,5-Trimethylbenzene	mg/l	0.0213	0.0208	85.0	78-127	2.53	20	WG655248
1,3-Dichlorobenzene	mg/l	0.0199	0.0192	80.0	77-127	3.70	20	WG655248
1,3-Dichloropropane	mg/l	0.0228	0.0227	91.0	78-117	0.0300	20	WG655248
1,4-Dichlorobenzene	mg/l	0.0232	0.0232	93.0	79-117	0.310	20	WG655248
2,2-Dichloropropane	mg/l	0.0198	0.0207	79.0	63-130	4.58	20	WG655248
2-Butanone (MEK)	mg/l	0.123	0.115	98.0	58-144	6.34	20	WG655248
2-Chloroethyl vinyl ether	mg/l	0.143	0.136	114.	26-172	4.90	22	WG655248
2-Chlorotoluene	mg/l	0.0226	0.0222	90.0	78-123	1.66	20	WG655248
4-Chlorotoluene	mg/l	0.0212	0.0212	85.0	78-122	0.380	20	WG655248
4-Methyl-2-pentanone (MIBK)	mg/l	0.123	0.118	98.0	58-147	3.43	20	WG655248
Acetone	mg/l	0.122	0.111	98.0	49-153	9.27	21	WG655248
Acrolein	mg/l	0.0786	0.0739	63.0	10-181	6.13	30	WG655248
Acrylonitrile	mg/l	0.114	0.111	91.0	53-153	2.41	20	WG655248
Benzene	mg/l	0.0212	0.0218	85.0	72-119	2.66	20	WG655248
Bromobenzene	mg/l	0.0212	0.0207	85.0	76-121	2.24	20	WG655248
Bromodichloromethane	mg/l	0.0228	0.0225	91.0	75-127	1.33	20	WG655248
Bromoform	mg/l	0.0233	0.0232	93.0	61-136	0.0700	20	WG655248
Bromomethane	mg/l	0.0278	0.0287	111.	42-172	3.35	20	WG655248
Carbon tetrachloride	mg/l	0.0220	0.0225	88.0	63-129	2.38	20	WG655248
Chlorobenzene	mg/l	0.0223	0.0222	89.0	78-123	0.770	20	WG655248
Chlorodibromomethane	mg/l	0.0234	0.0233	94.0	73-128	0.540	20	WG655248
Chloroethane	mg/l	0.0284	0.0289	114.	52-164	1.67	20	WG655248
Chloroform	mg/l	0.0216	0.0225	86.0	76-122	3.71	20	WG655248
Chloromethane	mg/l	0.0217	0.0226	87.0	50-141	4.20	20	WG655248
cis-1,2-Dichloroethene	mg/l	0.0206	0.0212	82.0	75-121	2.62	20	WG655248
cis-1,3-Dichloropropene	mg/l	0.0237	0.0239	95.0	74-124	0.910	20	WG655248
Di-isopropyl ether	mg/l	0.0217	0.0221	87.0	66-129	1.90	20	WG655248
Dibromomethane	mg/l	0.0228	0.0229	91.0	77-124	0.460	20	WG655248
Dichlorodifluoromethane	mg/l	0.0215	0.0217	86.0	33-173	1.32	20	WG655248
Ethylbenzene	mg/l	0.0230	0.0227	92.0	77-124	0.960	20	WG655248
Hexachloro-1,3-butadiene	mg/l	0.0237	0.0225	95.0	71-134	5.37	20	WG655248
Isopropylbenzene	mg/l	0.0229	0.0226	92.0	74-126	1.09	20	WG655248
Methyl tert-butyl ether	mg/l	0.0211	0.0221	84.0	67-127	4.55	20	WG655248
Methylene Chloride	mg/l	0.0198	0.0206	79.0	67-122	3.68	20	WG655248
n-Butylbenzene	mg/l	0.0254	0.0254	102.	74-130	0.0200	20	WG655248
n-Propylbenzene	mg/l	0.0223	0.0219	89.0	77-125	1.65	20	WG655248
Naphthalene	mg/l	0.0239	0.0226	96.0	70-134	5.65	20	WG655248
p-Isopropyltoluene	mg/l	0.0220	0.0213	88.0	77-132	3.14	20	WG655248
sec-Butylbenzene	mg/l	0.0216	0.0210	86.0	77-130	3.22	20	WG655248
Styrene	mg/l	0.0231	0.0230	92.0	69-145	0.480	20	WG655248
tert-Butylbenzene	mg/l	0.0215	0.0208	86.0	76-131	3.05	20	WG655248
Tetrachloroethene	mg/l	0.0214	0.0217	86.0	69-131	1.52	20	WG655248
Toluene	mg/l	0.0225	0.0226	90.0	75-114	0.570	20	WG655248
trans-1,2-Dichloroethene	mg/l	0.0206	0.0214	82.0	63-127	3.65	20	WG655248
trans-1,3-Dichloropropene	mg/l	0.0231	0.0231	92.0	69-124	0.0500	20	WG655248
Trichloroethene	mg/l	0.0203	0.0212	81.0	69-131	4.33	20	WG655248
Trichlorofluoromethane	mg/l	0.0263	0.0270	105.	53-161	2.74	20	WG655248
Vinyl chloride	mg/l	0.0257	0.0272	103.	55-142	5.86	20	WG655248
Xylenes, Total	mg/l	0.0675	0.0676	90.0	77-123	0.0600	20	WG655248
4-Bromofluorobenzene				95.47	82-120			WG655248
Dibromofluoromethane				103.2	82-126			WG655248
Toluene-d8				106.1	92-112			WG655248

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Est. 1970

HDR - Boise, ID
Nancy Nething
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
2,4,5-T	mg/l	0.00524	0.00371	105.	53.9-119	34.2*	20	WG655297
2,4,5-TP (Silvex)	mg/l	0.00558	0.00412	112.	60.8-121	30.1*	20	WG655297
2,4-D	mg/l	0.00383	0.00334	77.0	52.4-110	13.8	20	WG655297
2,4-DB	mg/l	0.00401	0.00373	80.0	33.9-123	7.12	20.7	WG655297
Dalapon	mg/l	0.00371	0.00305	74.0	41.8-105	19.8	20	WG655297
Dicamba	mg/l	0.00547	0.00482	109.	61.9-114	12.6	20	WG655297
Dichloroprop	mg/l	0.00497	0.00446	99.0	63-129	10.9	20	WG655297
Dinoseb	mg/l	0.00411	0.00428	82.0	43.7-121	4.04	23.1	WG655297
MCPA	mg/l	0.435	0.356	87.0	10-184	20.1	38.1	WG655297
MCPP	mg/l	0.430	0.406	86.0	55.3-188	5.67	20	WG655297
2,4-Dichlorophenyl Acetic Acid				90.00	23.3-142			WG655297
Diesel Range Organics (DRO)	mg/l	0.868	0.854	116.	50-150	1.67	20	WG655213
Residual Range Organics (RRO)	mg/l	0.977	0.957	130.	50-150	2.05	20	WG655213
o-Terphenyl				110.0	50-150			WG655213
Nitrate-Nitrite	mg/l	4.81	4.88	96.0	90-110	1.44	20	WG655984
Ammonia Nitrogen	mg/l	7.52	7.31	100.	90-110	2.83	20	WG655809

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0261	0	.025	104.	71-130	L629132-01	WG654975
1,1,1-Trichloroethane	mg/l	0.0251	0	.025	100.	58-137	L629132-01	WG654975
1,1,2,2-Tetrachloroethane	mg/l	0.0236	0	.025	94.3	64-149	L629132-01	WG654975
1,1,2-Trichloroethane	mg/l	0.0256	0	.025	102.	73-128	L629132-01	WG654975
1,1,2-Trichlorotrifluoroethane	mg/l	0.0260	0	.025	104.	36-159	L629132-01	WG654975
1,1-Dichloroethane	mg/l	0.0247	0	.025	98.7	58-133	L629132-01	WG654975
1,1-Dichloroethene	mg/l	0.0225	0	.025	90.1	32-152	L629132-01	WG654975
1,1-Dichloropropene	mg/l	0.0239	0	.025	95.7	50-140	L629132-01	WG654975
1,2,3-Trichlorobenzene	mg/l	0.0281	0	.025	112.	68-135	L629132-01	WG654975
1,2,3-Trichloropropane	mg/l	0.0249	0	.025	99.6	74-137	L629132-01	WG654975
1,2,3-Trimethylbenzene	mg/l	0.0249	0	.025	99.5	67-133	L629132-01	WG654975
1,2,4-Trichlorobenzene	mg/l	0.0299	0	.025	120.	67-133	L629132-01	WG654975
1,2,4-Trimethylbenzene	mg/l	0.0258	0	.025	103.	62-141	L629132-01	WG654975
1,2-Dibromo-3-Chloropropane	mg/l	0.0237	0	.025	94.6	55-148	L629132-01	WG654975
1,2-Dibromoethane	mg/l	0.0251	0	.025	100.	71-129	L629132-01	WG654975
1,2-Dichlorobenzene	mg/l	0.0264	0	.025	106.	75-125	L629132-01	WG654975
1,2-Dichloroethane	mg/l	0.0244	0	.025	97.7	59-135	L629132-01	WG654975
1,2-Dichloropropane	mg/l	0.0255	0	.025	102.	68-126	L629132-01	WG654975
1,3,5-Trimethylbenzene	mg/l	0.0265	0	.025	106.	67-136	L629132-01	WG654975
1,3-Dichlorobenzene	mg/l	0.0257	0	.025	103.	69-131	L629132-01	WG654975
1,3-Dichloropropane	mg/l	0.0250	0	.025	99.9	70-122	L629132-01	WG654975
1,4-Dichlorobenzene	mg/l	0.0266	0	.025	106.	70-123	L629132-01	WG654975
2,2-Dichloropropane	mg/l	0.0259	0	.025	104.	51-141	L629132-01	WG654975
2-Butanone (MEK)	mg/l	0.0977	0	.125	78.2	51-149	L629132-01	WG654975
2-Chloroethyl vinyl ether	mg/l	0.0801	0	.125	64.1	10-161	L629132-01	WG654975
2-Chlorotoluene	mg/l	0.0253	0	.025	101.	65-133	L629132-01	WG654975
4-Chlorotoluene	mg/l	0.0263	0	.025	105.	67-129	L629132-01	WG654975
4-Methyl-2-pentanone (MIBK)	mg/l	0.136	0	.125	108.	53-154	L629132-01	WG654975
Acetone	mg/l	0.0628	0.000422	.125	49.9	34-146	L629132-01	WG654975
Acrolein	mg/l	0.124	0	.125	99.5	10-189	L629132-01	WG654975
Acrylonitrile	mg/l	0.109	0	.125	87.1	49-162	L629132-01	WG654975
Benzene	mg/l	0.0243	0	.025	97.2	51-134	L629132-01	WG654975
Bromobenzene	mg/l	0.0256	0	.025	102.	64-130	L629132-01	WG654975

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromodichloromethane	mg/l	0.0253	0	.025	101.	67-132	L629132-01	WG654975
Bromoform	mg/l	0.0255	0	.025	102.	59-137	L629132-01	WG654975
Bromomethane	mg/l	0.0219	0	.025	87.6	23-177	L629132-01	WG654975
Carbon tetrachloride	mg/l	0.0247	0	.025	98.7	49-140	L629132-01	WG654975
Chlorobenzene	mg/l	0.0258	0	.025	103.	69-126	L629132-01	WG654975
Chlorodibromomethane	mg/l	0.0255	0	.025	102.	68-130	L629132-01	WG654975
Chloroethane	mg/l	0.0250	0	.025	100.	32-177	L629132-01	WG654975
Chloroform	mg/l	0.0259	0	.025	104.	64-130	L629132-01	WG654975
Chloromethane	mg/l	0.0233	0	.025	93.0	27-155	L629132-01	WG654975
cis-1,2-Dichloroethene	mg/l	0.0248	0	.025	99.1	54-137	L629132-01	WG654975
cis-1,3-Dichloropropene	mg/l	0.0262	0	.025	105.	63-127	L629132-01	WG654975
Di-isopropyl ether	mg/l	0.0264	0	.025	106.	58-133	L629132-01	WG654975
Dibromomethane	mg/l	0.0252	0	.025	101.	68-131	L629132-01	WG654975
Dichlorodifluoromethane	mg/l	0.0234	0	.025	93.8	16-188	L629132-01	WG654975
Ethylbenzene	mg/l	0.0260	0	.025	104.	64-135	L629132-01	WG654975
Hexachloro-1,3-butadiene	mg/l	0.0245	0	.025	97.9	64-140	L629132-01	WG654975
Isopropylbenzene	mg/l	0.0286	0	.025	114.	62-134	L629132-01	WG654975
Methyl tert-butyl ether	mg/l	0.0261	0	.025	104.	55-136	L629132-01	WG654975
Methylene Chloride	mg/l	0.0222	0	.025	88.6	52-130	L629132-01	WG654975
n-Butylbenzene	mg/l	0.0275	0	.025	110.	62-142	L629132-01	WG654975
n-Propylbenzene	mg/l	0.0261	0	.025	104.	62-137	L629132-01	WG654975
Naphthalene	mg/l	0.0268	0	.025	107.	65-140	L629132-01	WG654975
p-Isopropyltoluene	mg/l	0.0271	0	.025	108.	64-142	L629132-01	WG654975
sec-Butylbenzene	mg/l	0.0258	0	.025	103.	67-139	L629132-01	WG654975
Styrene	mg/l	0.0276	0	.025	110.	58-152	L629132-01	WG654975
tert-Butylbenzene	mg/l	0.0260	0	.025	104.	66-139	L629132-01	WG654975
Tetrachloroethene	mg/l	0.0249	0	.025	99.8	56-139	L629132-01	WG654975
Toluene	mg/l	0.0248	0	.025	99.4	61-126	L629132-01	WG654975
trans-1,2-Dichloroethene	mg/l	0.0228	0	.025	91.4	45-137	L629132-01	WG654975
trans-1,3-Dichloropropene	mg/l	0.0264	0	.025	106.	59-130	L629132-01	WG654975
Trichloroethene	mg/l	0.0244	0	.025	97.4	40-155	L629132-01	WG654975
Trichlorofluoromethane	mg/l	0.0245	0	.025	97.8	35-177	L629132-01	WG654975
Vinyl chloride	mg/l	0.0230	0	.025	91.9	32-159	L629132-01	WG654975
Xylenes, Total	mg/l	0.0777	0	.075	104.	64-133	L629132-01	WG654975
4-Bromofluorobenzene					98.38	82-120		WG654975
Dibromofluoromethane					100.7	82-126		WG654975
Toluene-d8					101.5	92-112		WG654975
Gasoline Range Organics-NWTPH	mg/l	5.55	0.0179	5.5	100.	58-122	L629126-01	WG655066
a,a,a-Trifluorotoluene(FID)					109.5	62-128		WG655066
Mercury,Dissolved	mg/l	0.00297	0.0000055	.003	99.0	80-120	L629126-01	WG654907
Gasoline Range Organics-NWTPH	mg/l	6.48	0.0298	5.5	117.	58-122	L628377-04	WG655109
a,a,a-Trifluorotoluene(FID)					104.6	62-128		WG655109
Sulfate	mg/l	515.	290.	50	90.0	80-120	L629132-02	WG655223
1,1,1,2-Tetrachloroethane	mg/l	0.0226	0	.025	90.6	71-130	L629266-14	WG655248
1,1,1-Trichloroethane	mg/l	0.0236	0	.025	94.3	58-137	L629266-14	WG655248
1,1,2,2-Tetrachloroethane	mg/l	0.0235	0	.025	94.1	64-149	L629266-14	WG655248
1,1,2-Trichloroethane	mg/l	0.0241	0	.025	96.5	73-128	L629266-14	WG655248
1,1,2-Trichlorotrifluoroethane	mg/l	0.0270	0	.025	108.	36-159	L629266-14	WG655248
1,1-Dichloroethane	mg/l	0.0224	0	.025	89.6	58-133	L629266-14	WG655248

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1-Dichloroethene	mg/l	0.0253	0.000372	.025	99.5	32-152	L629266-14	WG655248
1,1-Dichloropropene	mg/l	0.0231	0	.025	92.3	50-140	L629266-14	WG655248
1,2,3-Trichlorobenzene	mg/l	0.0259	0	.025	104.	68-135	L629266-14	WG655248
1,2,3-Trichloropropane	mg/l	0.0222	0	.025	88.7	74-137	L629266-14	WG655248
1,2,3-Trimethylbenzene	mg/l	0.0240	0	.025	96.2	67-133	L629266-14	WG655248
1,2,4-Trichlorobenzene	mg/l	0.0270	0	.025	108.	67-133	L629266-14	WG655248
1,2,4-Trimethylbenzene	mg/l	0.0242	0.00116	.025	92.1	62-141	L629266-14	WG655248
1,2-Dibromo-3-Chloropropane	mg/l	0.0252	0	.025	101.	55-148	L629266-14	WG655248
1,2-Dibromoethane	mg/l	0.0235	0	.025	93.9	71-129	L629266-14	WG655248
1,2-Dichlorobenzene	mg/l	0.0238	0	.025	95.3	75-125	L629266-14	WG655248
1,2-Dichloroethane	mg/l	0.0227	0	.025	90.9	59-135	L629266-14	WG655248
1,2-Dichloropropane	mg/l	0.0221	0	.025	88.6	68-126	L629266-14	WG655248
1,3,5-Trimethylbenzene	mg/l	0.0233	0	.025	93.2	67-136	L629266-14	WG655248
1,3-Dichlorobenzene	mg/l	0.0214	0	.025	85.6	69-131	L629266-14	WG655248
1,3-Dichloropropane	mg/l	0.0230	0	.025	91.8	70-122	L629266-14	WG655248
1,4-Dichlorobenzene	mg/l	0.0242	0	.025	96.8	70-123	L629266-14	WG655248
2,2-Dichloropropane	mg/l	0.0214	0	.025	85.7	51-141	L629266-14	WG655248
2-Butanone (MEK)	mg/l	0.0878	0	.125	70.2	51-149	L629266-14	WG655248
2-Chloroethyl vinyl ether	mg/l	0.0460	0	.125	36.8	10-161	L629266-14	WG655248
2-Chlorotoluene	mg/l	0.0241	0	.025	96.3	65-133	L629266-14	WG655248
4-Chlorotoluene	mg/l	0.0227	0	.025	90.6	67-129	L629266-14	WG655248
4-Methyl-2-pentanone (MIBK)	mg/l	0.117	0.000440	.125	93.3	53-154	L629266-14	WG655248
Acetone	mg/l	0.0577	0.00221	.125	44.4	34-146	L629266-14	WG655248
Acrolein	mg/l	0.0800	0	.125	64.0	10-189	L629266-14	WG655248
Acrylonitrile	mg/l	0.114	0	.125	91.1	49-162	L629266-14	WG655248
Benzene	mg/l	0.0225	0	.025	89.9	51-134	L629266-14	WG655248
Bromobenzene	mg/l	0.0222	0	.025	88.9	64-130	L629266-14	WG655248
Bromodichloromethane	mg/l	0.0231	0	.025	92.4	67-132	L629266-14	WG655248
Bromoform	mg/l	0.0243	0	.025	97.3	59-137	L629266-14	WG655248
Bromomethane	mg/l	0.0301	0	.025	120.	23-177	L629266-14	WG655248
Carbon tetrachloride	mg/l	0.0239	0	.025	95.8	49-140	L629266-14	WG655248
Chlorobenzene	mg/l	0.0231	0	.025	92.4	69-126	L629266-14	WG655248
Chlorodibromomethane	mg/l	0.0243	0	.025	97.2	68-130	L629266-14	WG655248
Chloroethane	mg/l	0.0312	0	.025	125.	32-177	L629266-14	WG655248
Chloroform	mg/l	0.0230	0	.025	91.8	64-130	L629266-14	WG655248
Chloromethane	mg/l	0.0236	0	.025	94.5	27-155	L629266-14	WG655248
cis-1,2-Dichloroethene	mg/l	0.179	0.160	.025	75.6	54-137	L629266-14	WG655248
cis-1,3-Dichloropropene	mg/l	0.0242	0	.025	96.8	63-127	L629266-14	WG655248
Di-isopropyl ether	mg/l	0.0229	0	.025	91.5	58-133	L629266-14	WG655248
Dibromomethane	mg/l	0.0235	0	.025	94.0	68-131	L629266-14	WG655248
Dichlorodifluoromethane	mg/l	0.0239	0	.025	95.6	16-188	L629266-14	WG655248
Ethylbenzene	mg/l	0.0248	0.000468	.025	97.1	64-135	L629266-14	WG655248
Hexachloro-1,3-butadiene	mg/l	0.0262	0	.025	105.	64-140	L629266-14	WG655248
Isopropylbenzene	mg/l	0.0302	0.00514	.025	100.	62-134	L629266-14	WG655248
Methyl tert-butyl ether	mg/l	0.0226	0	.025	90.5	55-136	L629266-14	WG655248
Methylene Chloride	mg/l	0.0213	0	.025	85.3	52-130	L629266-14	WG655248
n-Butylbenzene	mg/l	0.0278	0	.025	111.	62-142	L629266-14	WG655248
n-Propylbenzene	mg/l	0.0246	0.000531	.025	96.4	62-137	L629266-14	WG655248
Naphthalene	mg/l	0.0255	0	.025	102.	65-140	L629266-14	WG655248
p-Isopropyltoluene	mg/l	0.0250	0	.025	99.8	64-142	L629266-14	WG655248
sec-Butylbenzene	mg/l	0.0410	0.0166	.025	97.8	67-139	L629266-14	WG655248
Styrene	mg/l	0.0242	0	.025	97.0	58-152	L629266-14	WG655248
tert-Butylbenzene	mg/l	0.0439	0.0200	.025	95.8	66-139	L629266-14	WG655248
Tetrachloroethene	mg/l	0.0432	0.0215	.025	87.0	56-139	L629266-14	WG655248
Toluene	mg/l	0.0233	0	.025	93.4	61-126	L629266-14	WG655248
trans-1,2-Dichloroethene	mg/l	0.0275	0.00532	.025	88.9	45-137	L629266-14	WG655248
trans-1,3-Dichloropropene	mg/l	0.0233	0	.025	93.2	59-130	L629266-14	WG655248
Trichloroethene	mg/l	0.0721	0.0523	.025	79.5	40-155	L629266-14	WG655248
Trichlorofluoromethane	mg/l	0.0289	0	.025	116.	35-177	L629266-14	WG655248

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Vinyl chloride	mg/l	0.0409	0.0132	.025	111.	32-159	L629266-14	WG655248
Xylenes, Total	mg/l	0.0725	0.000391	.075	96.1	64-133	L629266-14	WG655248
4-Bromofluorobenzene					98.94	82-120		WG655248
Dibromofluoromethane					103.5	82-126		WG655248
Toluene-d8					105.8	92-112		WG655248
Cadmium,Dissolved	mg/l	0.883	0.120	.111	68.7*	75-125	L628997-08	WG655827
Lead,Dissolved	mg/l	1.13	0.388	1.11	6.68*	75-125	L628997-08	WG655827
Silver,Dissolved	mg/l	0.947	0.170	.111	70.0*	75-125	L628997-08	WG655827
Barium,Dissolved	mg/l	0.965	0	.0555	86.9	75-125	L628997-08	WG655827
Chromium,Dissolved	mg/l	0.616	0	.0222	55.5*	75-125	L628997-08	WG655827
Arsenic,Dissolved	mg/l	2.61	1.54	.111	96.4	75-125	L628997-08	WG655827
Selenium,Dissolved	mg/l	0.930	0	.111	83.8	75-125	L628997-08	WG655827
Nitrate-Nitrite	mg/l	5.28	0.760	5	90.4	90-110	L629026-05	WG655984
Ammonia Nitrogen	mg/l	4.83	0.170	5	93.2	90-110	L629132-01	WG655809
Arsenic,Dissolved	mg/l	1.14	0	1.11	103.	75-125	L629893-08	WG656351
Barium,Dissolved	mg/l	1.28	0.110	1.11	105.	75-125	L629893-08	WG656351
Cadmium,Dissolved	mg/l	1.18	0	1.11	106.	75-125	L629893-08	WG656351
Chromium,Dissolved	mg/l	1.17	0	1.11	105.	75-125	L629893-08	WG656351
Lead,Dissolved	mg/l	1.16	0	1.11	104.	75-125	L629893-08	WG656351
Selenium,Dissolved	mg/l	1.14	0	1.11	103.	75-125	L629893-08	WG656351
Silver,Dissolved	mg/l	1.11	0	1.11	100.	75-125	L629893-08	WG656351

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0257	0.0261	103.	71-130	1.88	20	L629132-01	WG654975
1,1,1-Trichloroethane	mg/l	0.0235	0.0251	94.2	58-137	6.48	20	L629132-01	WG654975
1,1,2,2-Tetrachloroethane	mg/l	0.0245	0.0236	98.1	64-149	3.99	20	L629132-01	WG654975
1,1,2-Trichloroethane	mg/l	0.0249	0.0256	99.6	73-128	2.86	20	L629132-01	WG654975
1,1,2-Trichlorotrifluoroethane	mg/l	0.0245	0.0260	98.2	36-159	5.96	21	L629132-01	WG654975
1,1-Dichloroethane	mg/l	0.0233	0.0247	93.1	58-133	5.84	20	L629132-01	WG654975
1,1-Dichloroethene	mg/l	0.0213	0.0225	85.0	32-152	5.76	20	L629132-01	WG654975
1,1-Dichloropropene	mg/l	0.0227	0.0239	90.8	50-140	5.28	20	L629132-01	WG654975
1,2,3-Trichlorobenzene	mg/l	0.0278	0.0281	111.	68-135	0.890	20	L629132-01	WG654975
1,2,3-Trichloropropane	mg/l	0.0260	0.0249	104.	74-137	4.20	20	L629132-01	WG654975
1,2,3-Trimethylbenzene	mg/l	0.0233	0.0249	93.2	67-133	6.54	20	L629132-01	WG654975
1,2,4-Trichlorobenzene	mg/l	0.0288	0.0299	115.	67-133	3.87	20	L629132-01	WG654975
1,2,4-Trimethylbenzene	mg/l	0.0249	0.0258	99.4	62-141	3.68	20	L629132-01	WG654975
1,2-Dibromo-3-Chloropropane	mg/l	0.0250	0.0237	100.	55-148	5.49	22	L629132-01	WG654975
1,2-Dibromoethane	mg/l	0.0250	0.0251	100.	71-129	0.0800	20	L629132-01	WG654975
1,2-Dichlorobenzene	mg/l	0.0249	0.0264	99.5	75-125	6.12	20	L629132-01	WG654975
1,2-Dichloroethane	mg/l	0.0238	0.0244	95.2	59-135	2.53	20	L629132-01	WG654975
1,2-Dichloropropane	mg/l	0.0247	0.0255	98.8	68-126	3.37	20	L629132-01	WG654975
1,3,5-Trimethylbenzene	mg/l	0.0252	0.0265	101.	67-136	5.05	20	L629132-01	WG654975
1,3-Dichlorobenzene	mg/l	0.0247	0.0257	98.8	69-131	3.94	20	L629132-01	WG654975
1,3-Dichloropropane	mg/l	0.0248	0.0250	99.0	70-122	0.870	20	L629132-01	WG654975
1,4-Dichlorobenzene	mg/l	0.0248	0.0266	99.1	70-123	6.95	20	L629132-01	WG654975
2,2-Dichloropropane	mg/l	0.0245	0.0259	98.0	51-141	5.42	20	L629132-01	WG654975
2-Butanone (MEK)	mg/l	0.103	0.0977	82.1	51-149	4.91	22	L629132-01	WG654975
2-Chloroethyl vinyl ether	mg/l	0.0202	0.0801	16.1	10-161	119.*	40	L629132-01	WG654975
2-Chlorotoluene	mg/l	0.0244	0.0253	97.6	65-133	3.51	20	L629132-01	WG654975

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
4-Chlorotoluene	mg/l	0.0250	0.0263	100.	67-129	4.73	20	L629132-01	WG654975
4-Methyl-2-pentanone (MIBK)	mg/l	0.145	0.136	116.	53-154	7.09	21	L629132-01	WG654975
Acetone	mg/l	0.0656	0.0628	52.1	34-146	4.32	22	L629132-01	WG654975
Acrolein	mg/l	0.127	0.124	102.	10-189	2.47	30	L629132-01	WG654975
Acrylonitrile	mg/l	0.112	0.109	89.5	49-162	2.70	20	L629132-01	WG654975
Benzene	mg/l	0.0227	0.0243	90.9	51-134	6.76	20	L629132-01	WG654975
Bromobenzene	mg/l	0.0247	0.0256	98.9	64-130	3.31	20	L629132-01	WG654975
Bromodichloromethane	mg/l	0.0245	0.0253	97.8	67-132	3.55	20	L629132-01	WG654975
Bromoform	mg/l	0.0256	0.0255	102.	59-137	0.310	20	L629132-01	WG654975
Bromomethane	mg/l	0.0209	0.0219	83.6	23-177	4.61	21	L629132-01	WG654975
Carbon tetrachloride	mg/l	0.0232	0.0247	93.0	49-140	5.96	20	L629132-01	WG654975
Chlorobenzene	mg/l	0.0248	0.0258	99.1	69-126	3.89	20	L629132-01	WG654975
Chlorodibromomethane	mg/l	0.0250	0.0255	100.	68-130	2.07	20	L629132-01	WG654975
Chloroethane	mg/l	0.0235	0.0250	94.2	32-177	5.99	21	L629132-01	WG654975
Chloroform	mg/l	0.0244	0.0259	97.4	64-130	6.16	20	L629132-01	WG654975
Chloromethane	mg/l	0.0219	0.0233	87.6	27-155	5.94	20	L629132-01	WG654975
cis-1,2-Dichloroethene	mg/l	0.0234	0.0248	93.5	54-137	5.85	20	L629132-01	WG654975
cis-1,3-Dichloropropene	mg/l	0.0252	0.0262	101.	63-127	3.83	20	L629132-01	WG654975
Di-isopropyl ether	mg/l	0.0255	0.0264	102.	58-133	3.58	20	L629132-01	WG654975
Dibromomethane	mg/l	0.0250	0.0252	99.9	68-131	1.05	20	L629132-01	WG654975
Dichlorodifluoromethane	mg/l	0.0219	0.0234	87.5	16-188	6.96	22	L629132-01	WG654975
Ethylbenzene	mg/l	0.0248	0.0260	99.3	64-135	4.73	20	L629132-01	WG654975
Hexachloro-1,3-butadiene	mg/l	0.0234	0.0245	93.7	64-140	4.35	20	L629132-01	WG654975
Isopropylbenzene	mg/l	0.0275	0.0286	110.	62-134	3.83	20	L629132-01	WG654975
Methyl tert-butyl ether	mg/l	0.0255	0.0261	102.	55-136	2.02	20	L629132-01	WG654975
Methylene Chloride	mg/l	0.0211	0.0222	84.3	52-130	4.99	20	L629132-01	WG654975
n-Butylbenzene	mg/l	0.0256	0.0275	102.	62-142	6.87	20	L629132-01	WG654975
n-Propylbenzene	mg/l	0.0248	0.0261	99.4	62-137	4.79	20	L629132-01	WG654975
Naphthalene	mg/l	0.0276	0.0268	110.	65-140	3.03	20	L629132-01	WG654975
p-Isopropyltoluene	mg/l	0.0259	0.0271	104.	64-142	4.38	20	L629132-01	WG654975
sec-Butylbenzene	mg/l	0.0250	0.0258	100.	67-139	2.96	20	L629132-01	WG654975
Styrene	mg/l	0.0266	0.0276	106.	58-152	3.61	20	L629132-01	WG654975
tert-Butylbenzene	mg/l	0.0250	0.0260	100.	66-139	3.93	20	L629132-01	WG654975
Tetrachloroethene	mg/l	0.0234	0.0249	93.5	56-139	6.51	20	L629132-01	WG654975
Toluene	mg/l	0.0239	0.0248	95.5	61-126	3.96	20	L629132-01	WG654975
trans-1,2-Dichloroethene	mg/l	0.0214	0.0228	85.5	45-137	6.70	20	L629132-01	WG654975
trans-1,3-Dichloropropene	mg/l	0.0258	0.0264	103.	59-130	2.25	20	L629132-01	WG654975
Trichloroethene	mg/l	0.0236	0.0244	94.2	40-155	3.34	20	L629132-01	WG654975
Trichlorofluoromethane	mg/l	0.0225	0.0245	90.0	35-177	8.31	23	L629132-01	WG654975
Vinyl chloride	mg/l	0.0219	0.0230	87.6	32-159	4.80	21	L629132-01	WG654975
Xylenes, Total	mg/l	0.0741	0.0777	98.8	64-133	4.84	20	L629132-01	WG654975
4-Bromofluorobenzene				101.4	82-120				WG654975
Dibromofluoromethane				100.2	82-126				WG654975
Toluene-d8				102.7	92-112				WG654975
Gasoline Range Organics-NWTPH	mg/l	5.55	5.55	101.	58-122	0.0400	20	L629126-01	WG655066
a,a,a-Trifluorotoluene(FID)				108.6	62-128				WG655066
Mercury,Dissolved	mg/l	0.00296	0.00297	98.4	80-120	0.540	20	L629126-01	WG654907
Gasoline Range Organics-NWTPH	mg/l	6.53	6.48	118.	58-122	0.770	20	L628377-04	WG655109
a,a,a-Trifluorotoluene(FID)				104.6	62-128				WG655109
Sulfate	mg/l	513.	515.	89.2	80-120	0.389	20	L629132-02	WG655223

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0220	0.0226	88.1	71-130	2.76	20	L629266-14	WG655248
1,1,1-Trichloroethane	mg/l	0.0234	0.0236	93.6	58-137	0.690	20	L629266-14	WG655248
1,1,2,2-Tetrachloroethane	mg/l	0.0228	0.0235	91.3	64-149	2.93	20	L629266-14	WG655248
1,1,2-Trichloroethane	mg/l	0.0238	0.0241	95.3	73-128	1.32	20	L629266-14	WG655248
1,1,2-Trichlorotrifluoroethane	mg/l	0.0251	0.0270	100.	36-159	7.21	21	L629266-14	WG655248
1,1-Dichloroethane	mg/l	0.0219	0.0224	87.5	58-133	2.32	20	L629266-14	WG655248
1,1-Dichloroethene	mg/l	0.0244	0.0253	96.1	32-152	3.43	20	L629266-14	WG655248
1,1-Dichloropropene	mg/l	0.0228	0.0231	91.0	50-140	1.46	20	L629266-14	WG655248
1,2,3-Trichlorobenzene	mg/l	0.0250	0.0259	100.	68-135	3.56	20	L629266-14	WG655248
1,2,3-Trichloropropane	mg/l	0.0212	0.0222	84.9	74-137	4.40	20	L629266-14	WG655248
1,2,3-Trimethylbenzene	mg/l	0.0237	0.0240	94.6	67-133	1.60	20	L629266-14	WG655248
1,2,4-Trichlorobenzene	mg/l	0.0255	0.0270	102.	67-133	5.90	20	L629266-14	WG655248
1,2,4-Trimethylbenzene	mg/l	0.0230	0.0242	87.2	62-141	5.23	20	L629266-14	WG655248
1,2-Dibromo-3-Chloropropane	mg/l	0.0247	0.0252	98.9	55-148	1.96	22	L629266-14	WG655248
1,2-Dibromoethane	mg/l	0.0233	0.0235	93.1	71-129	0.870	20	L629266-14	WG655248
1,2-Dichlorobenzene	mg/l	0.0234	0.0238	93.4	75-125	1.91	20	L629266-14	WG655248
1,2-Dichloroethane	mg/l	0.0225	0.0227	90.1	59-135	0.870	20	L629266-14	WG655248
1,2-Dichloropropane	mg/l	0.0221	0.0221	88.3	68-126	0.330	20	L629266-14	WG655248
1,3,5-Trimethylbenzene	mg/l	0.0222	0.0233	88.6	67-136	5.08	20	L629266-14	WG655248
1,3-Dichlorobenzene	mg/l	0.0203	0.0214	81.3	69-131	5.09	20	L629266-14	WG655248
1,3-Dichloropropane	mg/l	0.0224	0.0230	89.7	70-122	2.34	20	L629266-14	WG655248
1,4-Dichlorobenzene	mg/l	0.0238	0.0242	95.3	70-123	1.56	20	L629266-14	WG655248
2,2-Dichloropropane	mg/l	0.0215	0.0214	86.2	51-141	0.620	20	L629266-14	WG655248
2-Butanone (MEK)	mg/l	0.0909	0.0878	72.7	51-149	3.48	22	L629266-14	WG655248
2-Chloroethyl vinyl ether	mg/l	0.0111	0.0460	8.88*	10-161	122.*	40	L629266-14	WG655248
2-Chlorotoluene	mg/l	0.0229	0.0241	91.7	65-133	4.82	20	L629266-14	WG655248
4-Chlorotoluene	mg/l	0.0216	0.0227	86.2	67-129	4.99	20	L629266-14	WG655248
4-Methyl-2-pentanone (MIBK)	mg/l	0.119	0.117	94.8	53-154	1.67	21	L629266-14	WG655248
Acetone	mg/l	0.0587	0.0577	45.2	34-146	1.67	22	L629266-14	WG655248
Acrolein	mg/l	0.0782	0.0800	62.6	10-189	2.27	30	L629266-14	WG655248
Acrylonitrile	mg/l	0.115	0.114	92.3	49-162	1.36	20	L629266-14	WG655248
Benzene	mg/l	0.0221	0.0225	88.5	51-134	1.55	20	L629266-14	WG655248
Bromobenzene	mg/l	0.0212	0.0222	85.0	64-130	4.58	20	L629266-14	WG655248
Bromodichloromethane	mg/l	0.0231	0.0231	92.4	67-132	0.100	20	L629266-14	WG655248
Bromoform	mg/l	0.0229	0.0243	91.5	59-137	6.18	20	L629266-14	WG655248
Bromomethane	mg/l	0.0301	0.0301	120.	23-177	0.120	21	L629266-14	WG655248
Carbon tetrachloride	mg/l	0.0237	0.0239	94.9	49-140	0.920	20	L629266-14	WG655248
Chlorobenzene	mg/l	0.0225	0.0231	89.9	69-126	2.81	20	L629266-14	WG655248
Chlorodibromomethane	mg/l	0.0234	0.0243	93.6	68-130	3.74	20	L629266-14	WG655248
Chloroethane	mg/l	0.0305	0.0312	122.	32-177	2.46	21	L629266-14	WG655248
Chloroform	mg/l	0.0228	0.0230	91.2	64-130	0.690	20	L629266-14	WG655248
Chloromethane	mg/l	0.0229	0.0236	91.8	27-155	2.94	20	L629266-14	WG655248
cis-1,2-Dichloroethene	mg/l	0.174	0.179	54.9	54-137	2.93	20	L629266-14	WG655248
cis-1,3-Dichloropropene	mg/l	0.0245	0.0242	98.1	63-127	1.35	20	L629266-14	WG655248
Di-isopropyl ether	mg/l	0.0223	0.0229	89.4	58-133	2.40	20	L629266-14	WG655248
Dibromomethane	mg/l	0.0235	0.0235	93.9	68-131	0.130	20	L629266-14	WG655248
Dichlorodifluoromethane	mg/l	0.0235	0.0239	94.2	16-188	1.49	22	L629266-14	WG655248
Ethylbenzene	mg/l	0.0236	0.0248	92.4	64-135	4.86	20	L629266-14	WG655248
Hexachloro-1,3-butadiene	mg/l	0.0255	0.0262	102.	64-140	2.79	20	L629266-14	WG655248
Isopropylbenzene	mg/l	0.0286	0.0302	93.8	62-134	5.26	20	L629266-14	WG655248
Methyl tert-butyl ether	mg/l	0.0221	0.0226	88.2	55-136	2.58	20	L629266-14	WG655248
Methylene Chloride	mg/l	0.0208	0.0213	83.3	52-130	2.32	20	L629266-14	WG655248
n-Butylbenzene	mg/l	0.0267	0.0278	107.	62-142	3.83	20	L629266-14	WG655248
n-Propylbenzene	mg/l	0.0236	0.0246	92.5	62-137	4.06	20	L629266-14	WG655248
Naphthalene	mg/l	0.0251	0.0255	100.	65-140	1.73	20	L629266-14	WG655248
p-Isopropyltoluene	mg/l	0.0234	0.0250	93.6	64-142	6.41	20	L629266-14	WG655248
sec-Butylbenzene	mg/l	0.0388	0.0410	88.7	67-139	5.71	20	L629266-14	WG655248
Styrene	mg/l	0.0231	0.0242	92.4	58-152	4.79	20	L629266-14	WG655248

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Quality Assurance Report
Level II

L629132

April 16, 2013

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
tert-Butylbenzene	mg/l	0.0416	0.0439	86.3	66-139	5.55	20	L629266-14	WG655248
Tetrachloroethene	mg/l	0.0417	0.0432	80.7	56-139	3.69	20	L629266-14	WG655248
Toluene	mg/l	0.0232	0.0233	92.9	61-126	0.470	20	L629266-14	WG655248
trans-1,2-Dichloroethene	mg/l	0.0270	0.0275	86.9	45-137	1.85	20	L629266-14	WG655248
trans-1,3-Dichloropropene	mg/l	0.0231	0.0233	92.4	59-130	0.910	20	L629266-14	WG655248
Trichloroethene	mg/l	0.0713	0.0721	76.0	40-155	1.23	20	L629266-14	WG655248
Trichlorofluoromethane	mg/l	0.0283	0.0289	113.	35-177	2.05	23	L629266-14	WG655248
Vinyl chloride	mg/l	0.0399	0.0409	107.	32-159	2.53	21	L629266-14	WG655248
Xylenes, Total	mg/l	0.0693	0.0725	91.8	64-133	4.56	20	L629266-14	WG655248
4-Bromofluorobenzene				96.41	82-120				WG655248
Dibromofluoromethane				104.5	82-126				WG655248
Toluene-d8				105.0	92-112				WG655248
Cadmium,Dissolved	mg/l	1.09	0.883	87.4	75-125	21.0*	20	L628997-08	WG655827
Lead,Dissolved	mg/l	1.44	1.13	9.48*	75-125	24.1*	20	L628997-08	WG655827
Silver,Dissolved	mg/l	1.16	0.947	89.2	75-125	20.2*	20	L628997-08	WG655827
Barium,Dissolved	mg/l	0.954	0.965	85.9	75-125	1.15	20	L628997-08	WG655827
Chromium,Dissolved	mg/l	0.533	0.616	48.0*	75-125	14.4	20	L628997-08	WG655827
Arsenic,Dissolved	mg/l	2.88	2.61	121.	75-125	9.84	20	L628997-08	WG655827
Selenium,Dissolved	mg/l	1.12	0.930	101.	75-125	18.5	20	L628997-08	WG655827
Nitrate-Nitrite	mg/l	5.25	5.28	89.8*	90-110	0.570	20	L629026-05	WG655984
Ammonia Nitrogen	mg/l	4.70	4.83	90.6	90-110	2.73	20	L629132-01	WG655809
Arsenic,Dissolved	mg/l	1.14	1.14	103.	75-125	0	20	L629893-08	WG656351
Barium,Dissolved	mg/l	1.28	1.28	105.	75-125	0	20	L629893-08	WG656351
Cadmium,Dissolved	mg/l	1.16	1.18	104.	75-125	1.71	20	L629893-08	WG656351
Chromium,Dissolved	mg/l	1.17	1.17	105.	75-125	0	20	L629893-08	WG656351
Lead,Dissolved	mg/l	1.17	1.16	105.	75-125	0.858	20	L629893-08	WG656351
Selenium,Dissolved	mg/l	1.14	1.14	103.	75-125	0	20	L629893-08	WG656351
Silver,Dissolved	mg/l	1.12	1.11	101.	75-125	0.897	20	L629893-08	WG656351

Serial Dilution

Batch number /Run number / Sample number cross reference

WG654975: R2606662: L629132-01 02 03 04 05 06 07 08
WG655066: R2607943: L629132-01 02 03
WG654907: R2608902: L629132-01 02 03 04 05 06 07 08
WG655109: R2610363: L629132-04 05 06 07 08
WG655223: R2610460: L629132-01 02 03 04 05 06 07 08
WG655248: R2610546: L629132-09
WG655297: R2611940: L629132-01 02 03 04 05 06 07 08
WG655010: R2612242 R2614480: L629132-01 02 03 04 05 06 07 08
WG655213: R2615083: L629132-01 02 03 04 05 06 07 08
WG655827: R2615481: L629132-01 02 03
WG655984: R2616580: L629132-01 02 03 04 05 06 07 08
WG655809: R2619260: L629132-01 02 03 04 05 06 07 08
WG656351: R2619761: L629132-04 05 06 07 08

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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HDR - Boise, ID
Nancy Nething
412 E. Park Center Blvd, Ste 100

Boise, ID 83706

Quality Assurance Report
Level II

L629132

April 16, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

APPENDIX C

Groundwater Sampling Field Forms and Laboratory Report

July 2013

Groundwater Sampling Information

Sample ID: MW-1			**Date: 7/24/13**		
Project: Simplot Grower Solutions			Project No: 167889		
Location: Sunnyside WA					
Depth to Water: 9.11			Measuring Point: TPVC		
Well Depth: 19.34	Water Ht. 10.23		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66	
One Casing Volume (gallons): 1.64			Three Casing Volumes (gallons): 4.91		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 0700	----	----	----	----	0
1. 0702	7.6	17.4	0.731 ms	Dk. Br. Cl.	1
2. 0705	7.6	16.9	0.761	Dk. Br. Cl.	2
3. 0708	7.7	17.0	0.809	Dk. Br. Cl.	3
4. 0710	7.7	17.1	0.853	Dk. Br. Cl.	4
5. 0713	7.7	17.0	0.905	Dk. Br. Cl.	5
6. 0715	7.7	16.9	0.887	Dk. Br. Cl.	6
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 0800	Appearance/Odor: Dk. Br. Cl, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Elevation Approx. 750 Ft	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-2		**Date: 7/24/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 9.48		Measuring Point: TPVC	
Well Depth: 17.73	Water Ht. 8.25	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.32		Three Casing Volumes (gallons): 3.96	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 0815	----	----	----	----	0
1.0818	7.6	16.8	1.146ms	Dk. Br. Cl.	1
2. 0819	7.7	16.7	1.158	Dk. Br. Cl.	2
3. 0822	7.7	16.0	1.199	Dk. Br. Cl.	3
4. 0824	7.7	16.2	1.185	Dk. Br. Cl.	4
5. 0827	7.7	16.5	1.178	Dk. Br. Cl.	5
6. 0829	7.7	16.1	1.172	Dk. Br. Cl.	6
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 0900	Appearance/Odor: Dk. Br. Cl., No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Elevation Approx. 750 Ft	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-3		**Date: 7/24/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 11.21		Measuring Point: TPVC	
Well Depth: 23.07	Water Ht. 11.86	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.90		Three Casing Volumes (gallons): 5.69	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 0920	----	----	----	----	0
1. 0922	7.3	16.3	2.501 ms	Br. Cl.	2
2. 0924	7.3	15.8	2.478	Br. Cl.	3
3. 0927	7.4	15.4	2.437	Br. Cl.	4
4. 0929	7.3	15.8	2.474	Br. Cl.	5
5. 0931	7.3	15.6	2.478	Br. Cl.	6
6. 0934	7.3	15.7	2.481	Br. Cl.	7
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1000	Appearance/Odor: Br. Cl, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Elevation Approx. 750 Ft	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-4		**Date: 7/24/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 11.14		Measuring Point: TPVC	
Well Depth: 22.71	Water Ht. 11.57	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.85		Three Casing Volumes (gallons): 5.55	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 1014	----	----	----	----	0
1. 1016	7.7	16.3	0.726 ms	Br. Cl.	2
2. 1018	7.7	15.9	0.751	Br. Cl.	3
3. 1020	7.7	15.7	0.763	Br. Cl.	4
4. 1023	7.7	16.1	0.771	Br. Cl.	5
5. 1025	7.7	16.0	0.771	Br. Cl.	6
6. 1027	7.7	16.0	0.776	Br. Cl.	7
7. 1030	7.7	16.0	0.772	Br. Cl.	8
8.					
9.					
10.					

Sample Time: Preassigned time 1100	Appearance/Odor: Br. Cl, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Elevation Approx. 750 Ft	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-5R		**Date: 7/24/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 11.17		Measuring Point: TPVC	
Well Depth: 21.60	Water Ht. 10.43	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.67		Three Casing Volumes (gallons): 5.01	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 1114	----	----	----	----	0
1. 1117	7.3	16.4	1.786 ms	Dk. Br. Cl.	1
2. 1119	7.3	16.3	1.781	Dk. Br. Cl.	2
3. 1121	7.3	16.0	1.766	Dk. Br. Cl.	3
4. 1123	7.3	16.1	1.757	Dk. Br. Cl.	4
5. 1125	7.4	16.0	1.749	Dk. Br. Cl.	5
6. 1128	7.4	16.1	1.756	Dk. Br. Cl.	6
7. 1130	7.4	16.0	1.757	Dk. Br. Cl.	7
8.					
9.					
10.					

Sample Time: Preassigned time 1200	Appearance/Odor: Dk. Br. Cl, No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate: MW-8 @ 1300	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Elevation Approx. 750 Ft	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-6		**Date: 7/23/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 12.83		Measuring Point: TPVC	
Well Depth: 21.60	Water Ht. 8.77	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.40		Three Casing Volumes (gallons): 4.21	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 1514	----	----	----	----	0
1. 1516	7.1	17.0	391.6 us	Dk. Br. Cl.	1
2. 1518	7.2	16.7	389.7	Dk. Br. Cl.	2
3. 1521	7.2	16.6	394.7	Dk. Br. Cl.	3
4. 1524	7.2	16.8	398.1	Dk. Br. Cl.	4
5. 1526	7.3	16.9	400.3	Dk. Br. Cl.	5
6. 1528	7.3	16.7	397.6	Dk. Br. Cl.	6
7.					
8.					
9.					
10.					

Sample Time: Preassigned time 1600	Appearance/Odor: Dk. Br. Cl., No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Water level on 7/24/13 @ 1410 = 12.81 TPVC	
Signature: D. Reynolds	Company: HDR

Groundwater Sampling Information

Sample ID: MW-7		**Date: 7/23/13**	
Project: Simplot Grower Solutions		Project No: 167889	
Location: Sunnyside WA			
Depth to Water: 12.63		Measuring Point: TPVC	
Well Depth: 24.45	Water Ht. 11.82	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.89		Three Casing Volumes (gallons): 5.67	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
0. 1624	----	----	----	----	0
1. 1626	7.0	17.3	369.9 us	Dk. Br. Cl.	1
2. 1628	7.2	16.6	379.9	Dk. Br. Cl.	2
3. 1630	7.2	16.7	395.5	Dk. Br. Cl.	3
4. 1633	7.3	16.6	396.6	Dk. Br. Cl.	4
5. 1638	7.3	16.5	390.9	Dk. Br. Cl.	5
6. 1640	7.2	16.7	402.3	Dk. Br. Cl.	6
7. 1642	7.2	16.7	399.6	Dk. Br. Cl.	7
8.					
9.					
10.					

Sample Time: Preassigned time 1700	Appearance/Odor: Dk. Br. Cl., No odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	PAH (8270 Sim.)
TPH NW gas range	TPH NW diesel range
Nitrate – Nitrite	Ammonium – N
Cl. Herbicides (8151A) & Sulfate	8 RCRA Metal (dissolved) Field Filtered
Duplicate:	MS/MD:
Comments: 15 containers (2-1l amber, 1-500ml, 1-250ml, 1-125ml, 10-40ml VOC Vials)	
Water level on 7/24/13 @ 1420 = 12.63 TPVC	
Signature: D. Reynolds	Company: HDR

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Tax I.D. 62-0814289

Est. 1970

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Report Summary

Thursday August 08, 2013

Report Number: L648366
Samples Received: 07/25/13
Client Project:

Description: Sunnyside, WA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-01

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-6

Collected By : Dale Reynolds
Collection Date : 07/23/13 16:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	37.	0.077	5.0	mg/l		9056	07/27/13	1
Ammonia Nitrogen	U	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	2.9	0.023	0.10	mg/l	J6	353.2	08/02/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	U	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.070	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0083	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	0.0032	0.0014	0.010	mg/l	J	6010B	07/29/13	1
Lead,Dissolved	0.0064	0.0019	0.0050	mg/l		6010B	07/29/13	1
Selenium,Dissolved	0.014	0.0074	0.020	mg/l	J	6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	97.0			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l	J6J3	8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-6

Collected By : Dale Reynolds
Collection Date : 07/23/13 16:00

ESC Sample # : L648366-01

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-01

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-6

Collected By : Dale Reynolds
Collection Date : 07/23/13 16:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	106.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	101.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	101.			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	103.			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/29/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/29/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/29/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/29/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/29/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/29/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/29/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/29/13	1
Naphthalene	0.000028	0.000020	0.00025	mg/l	J	8270C-S	07/29/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/29/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/29/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/29/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/29/13	1
Surrogate Recovery								
Nitrobenzene-d5	118.			% Rec.		8270C-S	07/29/13	1
2-Fluorobiphenyl	109.			% Rec.		8270C-S	07/29/13	1
p-Terphenyl-d14	108.			% Rec.		8270C-S	07/29/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-01

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-6

Collected By : Dale Reynolds
Collection Date : 07/23/13 16:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	51.6			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-02

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-7

Collected By : Dale Reynolds
Collection Date : 07/23/13 17:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	35.	0.077	5.0	mg/l		9056	07/27/13	1
Ammonia Nitrogen	0.16	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	1.9	0.023	0.10	mg/l		353.2	08/02/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	U	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.098	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0077	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	0.0034	0.0014	0.010	mg/l	J	6010B	07/29/13	1
Lead,Dissolved	0.0041	0.0019	0.0050	mg/l	J	6010B	07/29/13	1
Selenium,Dissolved	0.019	0.0074	0.020	mg/l	J	6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	97.3			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-7

Collected By : Dale Reynolds
Collection Date : 07/23/13 17:00

ESC Sample # : L648366-02

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0014	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

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MDL = Minimum Detection Limit = LOD = TRRP SDL
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Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-02

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-7

Collected By : Dale Reynolds
Collection Date : 07/23/13 17:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	102.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	102.			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	107.			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/29/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/29/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/29/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/29/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/29/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/29/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/29/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/29/13	1
Naphthalene	0.000038	0.000020	0.00025	mg/l	J	8270C-S	07/29/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/29/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/29/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/29/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/29/13	1
Surrogate Recovery								
Nitrobenzene-d5	116.			% Rec.		8270C-S	07/29/13	1
2-Fluorobiphenyl	108.			% Rec.		8270C-S	07/29/13	1
p-Terphenyl-d14	107.			% Rec.		8270C-S	07/29/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-02

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-7

Collected By : Dale Reynolds
Collection Date : 07/23/13 17:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	43.5			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-03

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 07/24/13 08:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	130	0.15	10.	mg/l		9056	07/27/13	2
Ammonia Nitrogen	0.18	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	5.9	0.023	0.10	mg/l		353.2	08/02/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	0.017	0.0065	0.020	mg/l	J	6010B	07/29/13	1
Barium,Dissolved	0.057	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0058	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	07/29/13	1
Lead,Dissolved	0.0041	0.0019	0.0050	mg/l	J	6010B	07/29/13	1
Selenium,Dissolved	0.020	0.0074	0.020	mg/l	J	6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	97.0			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 07/24/13 08:00

ESC Sample # : L648366-03

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0014	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-03

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 07/24/13 08:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	104.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	98.4			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	99.9			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/29/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/29/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/29/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/29/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/29/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/29/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/29/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/29/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/29/13	1
Naphthalene	0.000022	0.000020	0.00025	mg/l	J	8270C-S	07/29/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/29/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/29/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/29/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/29/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/29/13	1
Surrogate Recovery								
Nitrobenzene-d5	118.			% Rec.		8270C-S	07/29/13	1
2-Fluorobiphenyl	112.			% Rec.		8270C-S	07/29/13	1
p-Terphenyl-d14	110.			% Rec.		8270C-S	07/29/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-1

Collected By : Dale Reynolds
Collection Date : 07/24/13 08:00

ESC Sample # : L648366-03

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	52.1			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-04

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-2

Collected By : Dale Reynolds
Collection Date : 07/24/13 09:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	340	0.77	50.	mg/l		9056	07/27/13	10
Ammonia Nitrogen	0.10	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	2.6	0.023	0.10	mg/l		353.2	08/02/13	1
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	0.029	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.064	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0053	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	07/29/13	1
Lead,Dissolved	0.0037	0.0019	0.0050	mg/l	J	6010B	07/29/13	1
Selenium,Dissolved	0.016	0.0074	0.020	mg/l	J	6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	96.9			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-2

Collected By : Dale Reynolds
Collection Date : 07/24/13 09:00

ESC Sample # : L648366-04

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0014	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-04

Date Received : July 25, 2013
Description : Sunnyside, WA

Site ID : SIMPLET SUNYSIDE WA

Sample ID : MW-2

Project # :

Collected By : Dale Reynolds
Collection Date : 07/24/13 09:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	106.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	111.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	96.1			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	98.3			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/31/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/31/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/31/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/31/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	07/31/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/31/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/31/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/31/13	1
Surrogate Recovery								
Nitrobenzene-d5	119.			% Rec.		8270C-S	07/31/13	1
2-Fluorobiphenyl	120.			% Rec.		8270C-S	07/31/13	1
p-Terphenyl-d14	115.			% Rec.		8270C-S	07/31/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-2

Collected By : Dale Reynolds
Collection Date : 07/24/13 09:00

ESC Sample # : L648366-04

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	58.6			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-05

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 07/24/13 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	630	0.77	50.	mg/l		9056	07/27/13	10
Ammonia Nitrogen	0.11	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	18.	0.12	0.50	mg/l		353.2	08/02/13	5
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	U	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.046	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0050	0.00070	0.0050	mg/l	J	6010B	07/29/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	07/29/13	1
Lead,Dissolved	U	0.0019	0.0050	mg/l		6010B	07/29/13	1
Selenium,Dissolved	0.065	0.0074	0.020	mg/l		6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	U	0.032	0.10	mg/l		NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	97.3			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-05

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 07/24/13 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0013	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-05

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 07/24/13 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	103.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	96.6			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	0.077	0.033	0.10	mg/l	J	NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	100.			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/31/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/31/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/31/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/31/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	07/31/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/31/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/31/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/31/13	1
Surrogate Recovery								
Nitrobenzene-d5	123.			% Rec.		8270C-S	07/31/13	1
2-Fluorobiphenyl	125.			% Rec.		8270C-S	07/31/13	1
p-Terphenyl-d14	117.			% Rec.		8270C-S	07/31/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 07/24/13 10:00

ESC Sample # : L648366-05

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	71.5			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-06

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-4

Collected By : Dale Reynolds
Collection Date : 07/24/13 11:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	120	0.15	10.	mg/l		9056	07/27/13	2
Ammonia Nitrogen	0.11	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	5.1	0.023	0.10	mg/l		353.2	08/02/13	1
Mercury,Dissolved	0.000050	0.000049	0.00020	mg/l	J	7470A	07/30/13	1
Arsenic,Dissolved	U	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.039	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0064	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	07/29/13	1
Lead,Dissolved	0.0028	0.0019	0.0050	mg/l	J	6010B	07/29/13	1
Selenium,Dissolved	0.023	0.0074	0.020	mg/l		6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	0.052	0.032	0.10	mg/l	J	NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-4

Collected By : Dale Reynolds
Collection Date : 07/24/13 11:00

ESC Sample # : L648366-06

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	0.0050	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0014	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-06

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-4

Collected By : Dale Reynolds
Collection Date : 07/24/13 11:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	104.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	98.3			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	98.3			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/31/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/31/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/31/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/31/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	07/31/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/31/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/31/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/31/13	1
Surrogate Recovery								
Nitrobenzene-d5	112.			% Rec.		8270C-S	07/31/13	1
2-Fluorobiphenyl	114.			% Rec.		8270C-S	07/31/13	1
p-Terphenyl-d14	110.			% Rec.		8270C-S	07/31/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-06

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-4

Collected By : Dale Reynolds
Collection Date : 07/24/13 11:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	71.9			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-07

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 07/24/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	340	0.39	25.	mg/l		9056	07/27/13	5
Ammonia Nitrogen	0.10	0.038	0.10	mg/l	J	350.1	07/31/13	1
Nitrate-Nitrite	51.	0.23	1.0	mg/l		353.2	08/02/13	10
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	0.027	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.040	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0067	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	07/29/13	1
Lead,Dissolved	0.0053	0.0019	0.0050	mg/l		6010B	07/29/13	1
Selenium,Dissolved	0.028	0.0074	0.020	mg/l		6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	0.040	0.032	0.10	mg/l	J	NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 07/24/13 12:00

ESC Sample # : L648366-07

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	0.0040	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	0.00033	0.00031	0.0010	mg/l	J	8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0012	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-07

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 07/24/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	102.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	96.5			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	0.089	0.033	0.10	mg/l	J	NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	0.085	0.082	0.25	mg/l	J	NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	97.6			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/31/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/31/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/31/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/31/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	07/31/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/31/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/31/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/31/13	1
Surrogate Recovery								
Nitrobenzene-d5	112.			% Rec.		8270C-S	07/31/13	1
2-Fluorobiphenyl	112.			% Rec.		8270C-S	07/31/13	1
p-Terphenyl-d14	92.6			% Rec.		8270C-S	07/31/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-07

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-5

Collected By : Dale Reynolds
Collection Date : 07/24/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	58.9			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-08

Site ID : SIMPLET SUNYSIDE WA

Project # :

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-8

Collected By : Dale Reynolds
Collection Date : 07/24/13 13:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Sulfate	330	0.39	25.	mg/l		9056	07/27/13	5
Ammonia Nitrogen	0.15	0.038	0.10	mg/l		350.1	07/31/13	1
Nitrate-Nitrite	52.	0.23	1.0	mg/l		353.2	08/02/13	10
Mercury,Dissolved	U	0.000049	0.00020	mg/l		7470A	07/30/13	1
Arsenic,Dissolved	0.025	0.0065	0.020	mg/l		6010B	07/29/13	1
Barium,Dissolved	0.039	0.0017	0.0050	mg/l		6010B	07/29/13	1
Cadmium,Dissolved	0.0071	0.00070	0.0050	mg/l		6010B	07/29/13	1
Chromium,Dissolved	U	0.0014	0.010	mg/l		6010B	07/29/13	1
Lead,Dissolved	0.0045	0.0019	0.0050	mg/l	J	6010B	07/29/13	1
Selenium,Dissolved	0.036	0.0074	0.020	mg/l		6010B	07/29/13	1
Silver,Dissolved	U	0.0028	0.010	mg/l		6010B	07/29/13	1
Gasoline Range Organics-NWTPH	0.034	0.032	0.10	mg/l	J	NWTPHGX	07/26/13	1
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		NWTPHGX	07/26/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	07/26/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	07/26/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	07/26/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	07/26/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	07/26/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	07/26/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	07/26/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	07/26/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	07/26/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	07/26/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	07/26/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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Est. 1970

REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-8

Collected By : Dale Reynolds
Collection Date : 07/24/13 13:00

ESC Sample # : L648366-08

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	07/26/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	07/26/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	07/26/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloroethane	0.0047	0.00036	0.0010	mg/l		8260B	07/26/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
1,2-Dichloropropane	0.00038	0.00031	0.0010	mg/l	J	8260B	07/26/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	07/26/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	07/26/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	07/26/13	1
Methylene Chloride	0.0014	0.0010	0.0050	mg/l	J	8260B	07/26/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	07/26/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	07/26/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	07/26/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	07/26/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	07/26/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	07/26/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	07/26/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	07/26/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	07/26/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	07/26/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	07/26/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	07/26/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	07/26/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	07/26/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

ESC Sample # : L648366-08

Date Received : July 25, 2013
Description : Sunnyside, WA

Site ID : SIMPLET SUNYSIDE WA

Sample ID : MW-8

Project # :

Collected By : Dale Reynolds
Collection Date : 07/24/13 13:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	07/26/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	07/26/13	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	07/26/13	1
Dibromofluoromethane	102.			% Rec.		8260B	07/26/13	1
4-Bromofluorobenzene	95.9			% Rec.		8260B	07/26/13	1
Diesel Range Organics (DRO)	U	0.033	0.10	mg/l		NWTPHDX	08/02/13	1
Residual Range Organics (RRO)	U	0.082	0.25	mg/l		NWTPHDX	08/02/13	1
Surrogate Recovery								
o-Terphenyl	92.9			% Rec.		NWTPHDX	08/02/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	07/31/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	07/31/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	07/31/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	07/31/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	07/31/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	07/31/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	07/31/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	07/31/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	07/31/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	07/31/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	07/31/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	07/31/13	1
Surrogate Recovery								
Nitrobenzene-d5	115.			% Rec.		8270C-S	07/31/13	1
2-Fluorobiphenyl	115.			% Rec.		8270C-S	07/31/13	1
p-Terphenyl-d14	98.3			% Rec.		8270C-S	07/31/13	1
Herbicides								
2,4-D	U	0.00014	0.0020	mg/l		8151	07/29/13	1
Dalapon	U	0.00088	0.20	mg/l		8151	07/29/13	1
2,4-DB	U	0.00015	0.0020	mg/l		8151	07/29/13	1
Dicamba	U	0.00022	0.0020	mg/l		8151	07/29/13	1
Dichloroprop	U	0.00014	0.0020	mg/l		8151	07/29/13	1

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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : MW-8

Collected By : Dale Reynolds
Collection Date : 07/24/13 13:00

ESC Sample # : L648366-08

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Dinoseb	U	0.00010	0.0020	mg/l		8151	07/29/13	1
MCPA	U	0.051	0.10	mg/l		8151	07/29/13	1
MCPP	U	0.034	0.10	mg/l		8151	07/29/13	1
2,4,5-T	U	0.00015	0.0020	mg/l		8151	07/29/13	1
2,4,5-TP (Silvex)	U	0.00018	0.0020	mg/l		8151	07/29/13	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	66.0			% Rec.		8151	07/29/13	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : TRIP BLANK

Collected By : Dale Reynolds
Collection Date : 07/24/13 00:00

ESC Sample # : L648366-09

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	08/07/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	08/07/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	08/07/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	08/07/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	08/07/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	08/07/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	08/07/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	08/07/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	08/07/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	08/07/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	08/07/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l		8260B	08/07/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	08/07/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	08/07/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	08/07/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	08/07/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	08/07/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	08/07/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	08/07/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	08/07/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	08/07/13	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	08/07/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	08/07/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	08/07/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	08/07/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	08/07/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	08/07/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l	J3	8260B	08/07/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	08/07/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	08/07/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	08/07/13	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Nancy Nething
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

August 08, 2013

Date Received : July 25, 2013
Description : Sunnyside, WA

Sample ID : TRIP BLANK

Collected By : Dale Reynolds
Collection Date : 07/24/13 00:00

ESC Sample # : L648366-09

Site ID : SIMPLET SUNYSIDE WA

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	08/07/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	08/07/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	08/07/13	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	08/07/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	08/07/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	08/07/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	08/07/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	08/07/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	08/07/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	08/07/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	08/07/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	08/07/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	08/07/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	08/07/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	08/07/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	08/07/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	08/07/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l		8260B	08/07/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	08/07/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	08/07/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	08/07/13	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	08/07/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	08/07/13	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	08/07/13	1
Dibromofluoromethane	103.			% Rec.		8260B	08/07/13	1
4-Bromofluorobenzene	105.			% Rec.		8260B	08/07/13	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L648366-01	WG673939	SAMP	2-Chloroethyl vinyl ether	R2758147	J6J3
	WG674235	SAMP	Chromium,Dissolved	R2760902	J
	WG674235	SAMP	Selenium,Dissolved	R2760902	J
	WG674858	SAMP	Nitrate-Nitrite	R2765740	J6
	WG673751	SAMP	Naphthalene	R2760044	J
L648366-02	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG674235	SAMP	Chromium,Dissolved	R2760902	J
	WG674235	SAMP	Lead,Dissolved	R2760902	J
	WG674235	SAMP	Selenium,Dissolved	R2760902	J
	WG673751	SAMP	Naphthalene	R2760044	J
L648366-03	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG674235	SAMP	Arsenic,Dissolved	R2760902	J
	WG674235	SAMP	Lead,Dissolved	R2760902	J
	WG674235	SAMP	Selenium,Dissolved	R2760902	J
	WG673751	SAMP	Naphthalene	R2760044	J
L648366-04	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG674235	SAMP	Lead,Dissolved	R2760902	J
	WG674235	SAMP	Selenium,Dissolved	R2760902	J
L648366-05	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG674795	SAMP	Diesel Range Organics (DRO)	R2769783	J
	WG674235	SAMP	Cadmium,Dissolved	R2760902	J
L648366-06	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG673774	SAMP	Mercury,Dissolved	R2760700	J
	WG674235	SAMP	Lead,Dissolved	R2760902	J
	WG673951	SAMP	Gasoline Range Organics-NWTPH	R2759202	J
L648366-07	WG673939	SAMP	1,2-Dichloropropane	R2758147	J
	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG674795	SAMP	Diesel Range Organics (DRO)	R2769783	J
	WG674795	SAMP	Residual Range Organics (RRO)	R2769783	J
	WG674594	SAMP	Ammonia Nitrogen	R2763121	J
	WG673951	SAMP	Gasoline Range Organics-NWTPH	R2759202	J
L648366-08	WG673939	SAMP	1,2-Dichloropropane	R2758147	J
	WG673939	SAMP	Methylene Chloride	R2758147	J
	WG674235	SAMP	Lead,Dissolved	R2760902	J
	WG673951	SAMP	Gasoline Range Organics-NWTPH	R2759202	J
L648366-09	WG675811	SAMP	2,2-Dichloropropane	R2772220	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
08/08/13 at 11:02:02

TSR Signing Reports: 358
R5 - Desired TAT

Sample: L648366-01 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-02 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-03 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-04 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-05 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-06 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-07 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-08 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/02/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25
Sample: L648366-09 Account: HDRBID Received: 07/25/13 09:30 Due Date: 08/08/13 00:00 RPT Date: 08/07/13 13:47
DIss Metals field filtered. Diss Metals Ph adjusted at 1109 on 7/25

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Boise, ID 83706

Quality Assurance Report
Level II

L648366

August 08, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,1,1-Trichloroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,1,2-Trichloroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,1-Dichloroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,1-Dichloroethene	< .001	mg/l			WG673939	07/25/13 23:05
1,1-Dichloropropene	< .001	mg/l			WG673939	07/25/13 23:05
1,2,3-Trichlorobenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,2,3-Trichloropropane	< .001	mg/l			WG673939	07/25/13 23:05
1,2,3-Trimethylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,2,4-Trichlorobenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,2,4-Trimethylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG673939	07/25/13 23:05
1,2-Dibromoethane	< .001	mg/l			WG673939	07/25/13 23:05
1,2-Dichlorobenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,2-Dichloroethane	< .001	mg/l			WG673939	07/25/13 23:05
1,2-Dichloropropane	< .001	mg/l			WG673939	07/25/13 23:05
1,3,5-Trimethylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,3-Dichlorobenzene	< .001	mg/l			WG673939	07/25/13 23:05
1,3-Dichloropropane	< .001	mg/l			WG673939	07/25/13 23:05
1,4-Dichlorobenzene	< .001	mg/l			WG673939	07/25/13 23:05
2,2-Dichloropropane	< .001	mg/l			WG673939	07/25/13 23:05
2-Butanone (MEK)	< .01	mg/l			WG673939	07/25/13 23:05
2-Chloroethyl vinyl ether	< .05	mg/l			WG673939	07/25/13 23:05
2-Chlorotoluene	< .001	mg/l			WG673939	07/25/13 23:05
4-Chlorotoluene	< .001	mg/l			WG673939	07/25/13 23:05
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG673939	07/25/13 23:05
Acetone	< .05	mg/l			WG673939	07/25/13 23:05
Acrolein	< .025	mg/l			WG673939	07/25/13 23:05
Acrylonitrile	< .01	mg/l			WG673939	07/25/13 23:05
Benzene	< .001	mg/l			WG673939	07/25/13 23:05
Bromobenzene	< .001	mg/l			WG673939	07/25/13 23:05
Bromodichloromethane	< .001	mg/l			WG673939	07/25/13 23:05
Bromoform	< .001	mg/l			WG673939	07/25/13 23:05
Bromomethane	< .005	mg/l			WG673939	07/25/13 23:05
Carbon tetrachloride	< .001	mg/l			WG673939	07/25/13 23:05
Chlorobenzene	< .001	mg/l			WG673939	07/25/13 23:05
Chlorodibromomethane	< .001	mg/l			WG673939	07/25/13 23:05
Chloroethane	< .005	mg/l			WG673939	07/25/13 23:05
Chloroform	< .005	mg/l			WG673939	07/25/13 23:05
Chloromethane	< .0025	mg/l			WG673939	07/25/13 23:05
cis-1,2-Dichloroethene	< .001	mg/l			WG673939	07/25/13 23:05
cis-1,3-Dichloropropene	< .001	mg/l			WG673939	07/25/13 23:05
Di-isopropyl ether	< .001	mg/l			WG673939	07/25/13 23:05
Dibromomethane	< .001	mg/l			WG673939	07/25/13 23:05
Dichlorodifluoromethane	< .005	mg/l			WG673939	07/25/13 23:05
Ethylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
Hexachloro-1,3-butadiene	< .001	mg/l			WG673939	07/25/13 23:05
Isopropylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
Methyl tert-butyl ether	< .001	mg/l			WG673939	07/25/13 23:05
Methylene Chloride	< .005	mg/l			WG673939	07/25/13 23:05
n-Butylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
n-Propylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
Naphthalene	< .005	mg/l			WG673939	07/25/13 23:05
p-Isopropyltoluene	< .001	mg/l			WG673939	07/25/13 23:05
sec-Butylbenzene	< .001	mg/l			WG673939	07/25/13 23:05
Styrene	< .001	mg/l			WG673939	07/25/13 23:05
tert-Butylbenzene	< .001	mg/l			WG673939	07/25/13 23:05

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HDR - Boise, ID
Nancy Nething
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Boise, ID 83706

Quality Assurance Report
Level II

L648366

August 08, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/l			WG673939	07/25/13 23:05
Toluene	< .005	mg/l			WG673939	07/25/13 23:05
trans-1,2-Dichloroethene	< .001	mg/l			WG673939	07/25/13 23:05
trans-1,3-Dichloropropene	< .001	mg/l			WG673939	07/25/13 23:05
Trichloroethene	< .001	mg/l			WG673939	07/25/13 23:05
Trichlorofluoromethane	< .005	mg/l			WG673939	07/25/13 23:05
Vinyl chloride	< .001	mg/l			WG673939	07/25/13 23:05
Xylenes, Total	< .003	mg/l			WG673939	07/25/13 23:05
4-Bromofluorobenzene		% Rec.	100.1	82-120	WG673939	07/25/13 23:05
Dibromofluoromethane		% Rec.	102.7	82-126	WG673939	07/25/13 23:05
Toluene-d8		% Rec.	105.1	92-112	WG673939	07/25/13 23:05
Gasoline Range Organics-NWTPH	< .1	mg/l			WG673802	07/25/13 15:00
a,a,a-Trifluorotoluene(FID)		% Rec.	97.49	62-128	WG673802	07/25/13 15:00
Gasoline Range Organics-NWTPH	< .1	mg/l			WG673951	07/26/13 13:19
a,a,a-Trifluorotoluene(FID)		% Rec.	105.7	62-128	WG673951	07/26/13 13:19
Sulfate	< 5	mg/l			WG673980	07/26/13 10:31
1-Methylnaphthalene	< .00025	mg/l			WG673751	07/29/13 15:28
2-Chloronaphthalene	< .00005	mg/l			WG673751	07/29/13 15:28
2-Methylnaphthalene	< .00025	mg/l			WG673751	07/29/13 15:28
Acenaphthene	< .00005	mg/l			WG673751	07/29/13 15:28
Acenaphthylene	< .00005	mg/l			WG673751	07/29/13 15:28
Anthracene	< .00005	mg/l			WG673751	07/29/13 15:28
Benzo(a)anthracene	< .00005	mg/l			WG673751	07/29/13 15:28
Benzo(a)pyrene	< .00005	mg/l			WG673751	07/29/13 15:28
Benzo(b)fluoranthene	< .00005	mg/l			WG673751	07/29/13 15:28
Benzo(g,h,i)perylene	< .00005	mg/l			WG673751	07/29/13 15:28
Benzo(k)fluoranthene	< .00005	mg/l			WG673751	07/29/13 15:28
Chrysene	< .00005	mg/l			WG673751	07/29/13 15:28
Dibenz(a,h)anthracene	< .00005	mg/l			WG673751	07/29/13 15:28
Fluoranthene	< .00005	mg/l			WG673751	07/29/13 15:28
Fluorene	< .00005	mg/l			WG673751	07/29/13 15:28
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG673751	07/29/13 15:28
Naphthalene	< .00025	mg/l			WG673751	07/29/13 15:28
Phenanthrene	< .00005	mg/l			WG673751	07/29/13 15:28
Pyrene	< .00005	mg/l			WG673751	07/29/13 15:28
2-Fluorobiphenyl		% Rec.	112.0	64.4-143	WG673751	07/29/13 15:28
Nitrobenzene-d5		% Rec.	121.0	61.3-162	WG673751	07/29/13 15:28
p-Terphenyl-d14		% Rec.	116.0	55.3-145	WG673751	07/29/13 15:28
Mercury,Dissolved	< .0002	mg/l			WG673774	07/30/13 09:01
2,4,5-T	< .002	mg/l			WG674015	07/29/13 15:29
2,4,5-TP (Silvex)	< .002	mg/l			WG674015	07/29/13 15:29
2,4-D	< .002	mg/l			WG674015	07/29/13 15:29
2,4-DB	< .002	mg/l			WG674015	07/29/13 15:29
Dalapon	< .2	mg/l			WG674015	07/29/13 15:29
Dicamba	< .002	mg/l			WG674015	07/29/13 15:29
Dichloroprop	< .002	mg/l			WG674015	07/29/13 15:29
Dinoseb	< .002	mg/l			WG674015	07/29/13 15:29

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Level II

L648366

August 08, 2013

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
MCPA	< .1	mg/l			WG674015	07/29/13 15:29
MCPP	< .1	mg/l			WG674015	07/29/13 15:29
2,4-Dichlorophenyl Acetic Acid		% Rec.	80.50	23.3-142	WG674015	07/29/13 15:29
Arsenic,Dissolved	< .02	mg/l			WG674235	07/29/13 15:56
Barium,Dissolved	< .005	mg/l			WG674235	07/29/13 15:56
Cadmium,Dissolved	< .005	mg/l			WG674235	07/29/13 15:56
Chromium,Dissolved	< .01	mg/l			WG674235	07/29/13 15:56
Lead,Dissolved	< .005	mg/l			WG674235	07/29/13 15:56
Selenium,Dissolved	< .02	mg/l			WG674235	07/29/13 15:56
Silver,Dissolved	< .01	mg/l			WG674235	07/29/13 15:56
1-Methylnaphthalene	< .00025	mg/l			WG674560	07/31/13 05:17
2-Chloronaphthalene	< .00005	mg/l			WG674560	07/31/13 05:17
2-Methylnaphthalene	< .00025	mg/l			WG674560	07/31/13 05:17
Acenaphthene	< .00005	mg/l			WG674560	07/31/13 05:17
Acenaphthylene	< .00005	mg/l			WG674560	07/31/13 05:17
Anthracene	< .00005	mg/l			WG674560	07/31/13 05:17
Benzo(a)anthracene	< .00005	mg/l			WG674560	07/31/13 05:17
Benzo(a)pyrene	< .00005	mg/l			WG674560	07/31/13 05:17
Benzo(b)fluoranthene	< .00005	mg/l			WG674560	07/31/13 05:17
Benzo(g,h,i)perylene	< .00005	mg/l			WG674560	07/31/13 05:17
Benzo(k)fluoranthene	< .00005	mg/l			WG674560	07/31/13 05:17
Chrysene	< .00005	mg/l			WG674560	07/31/13 05:17
Dibenz(a,h)anthracene	< .00005	mg/l			WG674560	07/31/13 05:17
Fluoranthene	< .00005	mg/l			WG674560	07/31/13 05:17
Fluorene	< .00005	mg/l			WG674560	07/31/13 05:17
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG674560	07/31/13 05:17
Naphthalene	< .00025	mg/l			WG674560	07/31/13 05:17
Phenanthrene	< .00005	mg/l			WG674560	07/31/13 05:17
Pyrene	< .00005	mg/l			WG674560	07/31/13 05:17
2-Fluorobiphenyl		% Rec.	110.0	64.4-143	WG674560	07/31/13 05:17
Nitrobenzene-d5		% Rec.	108.0	61.3-162	WG674560	07/31/13 05:17
p-Terphenyl-d14		% Rec.	109.0	55.3-145	WG674560	07/31/13 05:17
Ammonia Nitrogen	< .1	mg/l			WG674594	07/31/13 17:36
Nitrate-Nitrite	< .1	mg/l			WG674858	08/02/13 09:29
Diesel Range Organics (DRO)	< .1	mg/l			WG674795	08/02/13 13:02
Residual Range Organics (RRO)	< .25	mg/l			WG674795	08/02/13 13:02
o-Terphenyl		% Rec.	116.0	50-150	WG674795	08/02/13 13:02
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,1,1-Trichloroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,1,2-Trichloroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,1-Dichloroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,1-Dichloroethene	< .001	mg/l			WG675811	08/07/13 16:20
1,1-Dichloropropene	< .001	mg/l			WG675811	08/07/13 16:20
1,2,3-Trichlorobenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,2,3-Trichloropropane	< .001	mg/l			WG675811	08/07/13 16:20

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,2,3-Trimethylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,2,4-Trichlorobenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,2,4-Trimethylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG675811	08/07/13 16:20
1,2-Dibromoethane	< .001	mg/l			WG675811	08/07/13 16:20
1,2-Dichlorobenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,2-Dichloroethane	< .001	mg/l			WG675811	08/07/13 16:20
1,2-Dichloropropane	< .001	mg/l			WG675811	08/07/13 16:20
1,3,5-Trimethylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,3-Dichlorobenzene	< .001	mg/l			WG675811	08/07/13 16:20
1,3-Dichloropropane	< .001	mg/l			WG675811	08/07/13 16:20
1,4-Dichlorobenzene	< .001	mg/l			WG675811	08/07/13 16:20
2,2-Dichloropropane	< .001	mg/l			WG675811	08/07/13 16:20
2-Butanone (MEK)	< .01	mg/l			WG675811	08/07/13 16:20
2-Chloroethyl vinyl ether	< .05	mg/l			WG675811	08/07/13 16:20
2-Chlorotoluene	< .001	mg/l			WG675811	08/07/13 16:20
4-Chlorotoluene	< .001	mg/l			WG675811	08/07/13 16:20
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG675811	08/07/13 16:20
Acetone	< .05	mg/l			WG675811	08/07/13 16:20
Acrolein	< .025	mg/l			WG675811	08/07/13 16:20
Acrylonitrile	< .01	mg/l			WG675811	08/07/13 16:20
Benzene	< .001	mg/l			WG675811	08/07/13 16:20
Bromobenzene	< .001	mg/l			WG675811	08/07/13 16:20
Bromodichloromethane	< .001	mg/l			WG675811	08/07/13 16:20
Bromoform	< .001	mg/l			WG675811	08/07/13 16:20
Bromomethane	< .005	mg/l			WG675811	08/07/13 16:20
Carbon tetrachloride	< .001	mg/l			WG675811	08/07/13 16:20
Chlorobenzene	< .001	mg/l			WG675811	08/07/13 16:20
Chlorodibromomethane	< .001	mg/l			WG675811	08/07/13 16:20
Chloroethane	< .005	mg/l			WG675811	08/07/13 16:20
Chloroform	< .005	mg/l			WG675811	08/07/13 16:20
Chloromethane	< .0025	mg/l			WG675811	08/07/13 16:20
cis-1,2-Dichloroethene	< .001	mg/l			WG675811	08/07/13 16:20
cis-1,3-Dichloropropene	< .001	mg/l			WG675811	08/07/13 16:20
Di-isopropyl ether	< .001	mg/l			WG675811	08/07/13 16:20
Dibromomethane	< .001	mg/l			WG675811	08/07/13 16:20
Dichlorodifluoromethane	< .005	mg/l			WG675811	08/07/13 16:20
Ethylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
Hexachloro-1,3-butadiene	< .001	mg/l			WG675811	08/07/13 16:20
Isopropylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
Methyl tert-butyl ether	< .001	mg/l			WG675811	08/07/13 16:20
Methylene Chloride	< .005	mg/l			WG675811	08/07/13 16:20
n-Butylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
n-Propylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
Naphthalene	< .005	mg/l			WG675811	08/07/13 16:20
p-Isopropyltoluene	< .001	mg/l			WG675811	08/07/13 16:20
sec-Butylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
Styrene	< .001	mg/l			WG675811	08/07/13 16:20
tert-Butylbenzene	< .001	mg/l			WG675811	08/07/13 16:20
Tetrachloroethene	< .001	mg/l			WG675811	08/07/13 16:20
Toluene	< .005	mg/l			WG675811	08/07/13 16:20
trans-1,2-Dichloroethene	< .001	mg/l			WG675811	08/07/13 16:20
trans-1,3-Dichloropropene	< .001	mg/l			WG675811	08/07/13 16:20
Trichloroethene	< .001	mg/l			WG675811	08/07/13 16:20
Trichlorofluoromethane	< .005	mg/l			WG675811	08/07/13 16:20
Vinyl chloride	< .001	mg/l			WG675811	08/07/13 16:20
Xylenes, Total	< .003	mg/l			WG675811	08/07/13 16:20
4-Bromofluorobenzene		% Rec.	107.0	82-120	WG675811	08/07/13 16:20
Dibromofluoromethane		% Rec.	97.30	82-126	WG675811	08/07/13 16:20

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HDR - Boise, ID
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Boise, ID 83706

Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Toluene-d8		% Rec.	107.0		92-112		08/07/13 16:20

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Sulfate	mg/l	13.0	13.0	0	20	L648283-01	WG673980
Sulfate	mg/l	330.	330.	0	20	L648366-08	WG673980
Mercury,Dissolved	mg/l	0	0.0000466	11.3	20	L647973-01	WG673774
Barium,Dissolved	mg/l	0.700	0.700	0	20	L648421-04	WG674235
Cadmium,Dissolved	mg/l	0.00610	0.00560	8.55	20	L648421-04	WG674235
Chromium,Dissolved	mg/l	0	0	0	20	L648421-04	WG674235
Lead,Dissolved	mg/l	0	0.00227	NA	20	L648421-04	WG674235
Selenium,Dissolved	mg/l	0.0500	0.0502	0.399	20	L648421-04	WG674235
Silver,Dissolved	mg/l	0.0100	0.00186	137.*	20	L648421-04	WG674235
Arsenic,Dissolved	mg/l	0	0	0	20	L648421-04	WG674235
Ammonia Nitrogen	mg/l	0	0	0	20	L648471-02	WG674594
Ammonia Nitrogen	mg/l	2.20	2.30	4.44	20	L648342-01	WG674594
Nitrate-Nitrite	mg/l	0.0740	0.0760	2.67	20	L648393-02	WG674858
Nitrate-Nitrite	mg/l	0	0	0	20	L648144-01	WG674858

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0255	102.	77-128	WG673939
1,1,1-Trichloroethane	mg/l	.025	0.0232	92.8	71-126	WG673939
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0241	96.5	78-130	WG673939
1,1,2-Trichloroethane	mg/l	.025	0.0254	102.	81-121	WG673939
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0273	109.	53-143	WG673939
1,1-Dichloroethane	mg/l	.025	0.0251	100.	73-123	WG673939
1,1-Dichloroethene	mg/l	.025	0.0275	110.	54-134	WG673939
1,1-Dichloropropene	mg/l	.025	0.0239	95.6	67-127	WG673939
1,2,3-Trichlorobenzene	mg/l	.025	0.0263	105.	77-130	WG673939
1,2,3-Trichloropropane	mg/l	.025	0.0246	98.5	68-130	WG673939
1,2,3-Trimethylbenzene	mg/l	.025	0.0237	94.8	77-126	WG673939
1,2,4-Trichlorobenzene	mg/l	.025	0.0261	105.	76-127	WG673939
1,2,4-Trimethylbenzene	mg/l	.025	0.0257	103.	77-129	WG673939
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0259	103.	55-142	WG673939
1,2-Dibromoethane	mg/l	.025	0.0258	103.	78-124	WG673939
1,2-Dichlorobenzene	mg/l	.025	0.0253	101.	82-121	WG673939
1,2-Dichloroethane	mg/l	.025	0.0236	94.3	69-128	WG673939
1,2-Dichloropropane	mg/l	.025	0.0261	104.	77-121	WG673939
1,3,5-Trimethylbenzene	mg/l	.025	0.0259	104.	78-127	WG673939
1,3-Dichlorobenzene	mg/l	.025	0.0256	103.	77-127	WG673939
1,3-Dichloropropane	mg/l	.025	0.0256	102.	78-117	WG673939
1,4-Dichlorobenzene	mg/l	.025	0.0248	99.3	79-117	WG673939
2,2-Dichloropropane	mg/l	.025	0.0222	89.0	63-130	WG673939
2-Butanone (MEK)	mg/l	.125	0.127	102.	58-144	WG673939
2-Chloroethyl vinyl ether	mg/l	.125	0.0818	65.5	26-172	WG673939
2-Chlorotoluene	mg/l	.025	0.0246	98.4	78-123	WG673939
4-Chlorotoluene	mg/l	.025	0.0249	99.5	78-122	WG673939
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.132	105.	58-147	WG673939

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Acetone	mg/l	.125	0.120	95.8	49-153	WG673939
Acrolein	mg/l	.125	0.207	166.	10-181	WG673939
Acrylonitrile	mg/l	.125	0.124	99.3	53-153	WG673939
Benzene	mg/l	.025	0.0253	101.	72-119	WG673939
Bromobenzene	mg/l	.025	0.0249	99.5	76-121	WG673939
Bromodichloromethane	mg/l	.025	0.0233	93.4	75-127	WG673939
Bromoform	mg/l	.025	0.0262	105.	61-136	WG673939
Bromomethane	mg/l	.025	0.0328	131.	42-172	WG673939
Carbon tetrachloride	mg/l	.025	0.0232	92.9	63-129	WG673939
Chlorobenzene	mg/l	.025	0.0257	103.	78-123	WG673939
Chlorodibromomethane	mg/l	.025	0.0250	99.8	73-128	WG673939
Chloroethane	mg/l	.025	0.0278	111.	52-164	WG673939
Chloroform	mg/l	.025	0.0243	97.3	76-122	WG673939
Chloromethane	mg/l	.025	0.0244	97.8	50-141	WG673939
cis-1,2-Dichloroethene	mg/l	.025	0.0247	98.9	75-121	WG673939
cis-1,3-Dichloropropene	mg/l	.025	0.0255	102.	74-124	WG673939
Di-isopropyl ether	mg/l	.025	0.0268	107.	66-129	WG673939
Dibromomethane	mg/l	.025	0.0258	103.	77-124	WG673939
Dichlorodifluoromethane	mg/l	.025	0.0220	88.0	33-173	WG673939
Ethylbenzene	mg/l	.025	0.0255	102.	77-124	WG673939
Hexachloro-1,3-butadiene	mg/l	.025	0.0235	94.1	71-134	WG673939
Isopropylbenzene	mg/l	.025	0.0279	111.	74-126	WG673939
Methyl tert-butyl ether	mg/l	.025	0.0264	106.	67-127	WG673939
Methylene Chloride	mg/l	.025	0.0232	92.8	67-122	WG673939
n-Butylbenzene	mg/l	.025	0.0247	98.7	74-130	WG673939
n-Propylbenzene	mg/l	.025	0.0249	99.5	77-125	WG673939
Naphthalene	mg/l	.025	0.0253	101.	70-134	WG673939
p-Isopropyltoluene	mg/l	.025	0.0264	106.	77-132	WG673939
sec-Butylbenzene	mg/l	.025	0.0258	103.	77-130	WG673939
Styrene	mg/l	.025	0.0274	110.	69-145	WG673939
tert-Butylbenzene	mg/l	.025	0.0258	103.	76-131	WG673939
Tetrachloroethene	mg/l	.025	0.0249	99.5	69-131	WG673939
Toluene	mg/l	.025	0.0253	101.	75-114	WG673939
trans-1,2-Dichloroethene	mg/l	.025	0.0241	96.4	63-127	WG673939
trans-1,3-Dichloropropene	mg/l	.025	0.0254	102.	69-124	WG673939
Trichloroethene	mg/l	.025	0.0247	99.0	69-131	WG673939
Trichlorofluoromethane	mg/l	.025	0.0260	104.	53-161	WG673939
Vinyl chloride	mg/l	.025	0.0258	103.	55-142	WG673939
Xylenes, Total	mg/l	.075	0.0789	105.	77-123	WG673939
4-Bromofluorobenzene				98.34	82-120	WG673939
Dibromofluoromethane				101.5	82-126	WG673939
Toluene-d8				105.0	92-112	WG673939
Gasoline Range Organics-NWTPH	mg/l	5.5	4.34	78.8	66-123	WG673802
a,a,a-Trifluorotoluene(FID)				103.6	62-128	WG673802
Gasoline Range Organics-NWTPH	mg/l	5.5	4.59	83.5	66-123	WG673951
a,a,a-Trifluorotoluene(FID)				105.5	62-128	WG673951
Sulfate	mg/l	40	40.9	102.	90-110	WG673980
1-Methylnaphthalene	mg/l	.002	0.00224	112.	71.2-137	WG673751
2-Chloronaphthalene	mg/l	.002	0.00239	120.	81.1-129	WG673751
2-Methylnaphthalene	mg/l	.002	0.00227	113.	69.8-134	WG673751
Acenaphthene	mg/l	.002	0.00246	123.	80.8-128	WG673751

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Acenaphthylene	mg/l	.002	0.00249	124.	77.2-132	WG673751
Anthracene	mg/l	.002	0.00266	133.	78.4-136	WG673751
Benzo(a)anthracene	mg/l	.002	0.00242	121.	69.2-141	WG673751
Benzo(a)pyrene	mg/l	.002	0.00252	126.	71.1-135	WG673751
Benzo(b)fluoranthene	mg/l	.002	0.00243	122.	69.5-140	WG673751
Benzo(g,h,i)perylene	mg/l	.002	0.00261	131.	64.6-138	WG673751
Benzo(k)fluoranthene	mg/l	.002	0.00245	122.	69.3-144	WG673751
Chrysene	mg/l	.002	0.00233	117.	75.6-138	WG673751
Dibenz(a,h)anthracene	mg/l	.002	0.00247	123.	64.1-139	WG673751
Fluoranthene	mg/l	.002	0.00268	134.	78.6-135	WG673751
Fluorene	mg/l	.002	0.00243	122.	78.3-131	WG673751
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00243	122.	64.8-140	WG673751
Naphthalene	mg/l	.002	0.00225	113.	80.2-126	WG673751
Phenanthrene	mg/l	.002	0.00231	115.	79.6-130	WG673751
Pyrene	mg/l	.002	0.00233	116.	76.6-134	WG673751
2-Fluorobiphenyl				124.0	64.4-143	WG673751
Nitrobenzene-d5				136.0	61.3-162	WG673751
p-Terphenyl-d14				124.0	55.3-145	WG673751
Mercury,Dissolved	mg/l	.003	0.00302	101.	85-115	WG673774
2,4,5-T	mg/l	.005	0.00376	75.2	53.9-119	WG674015
2,4,5-TP (Silvex)	mg/l	.005	0.00484	96.8	60.8-121	WG674015
2,4-D	mg/l	.005	0.00391	78.2	52.4-110	WG674015
2,4-DB	mg/l	.005	0.00440	88.0	33.9-123	WG674015
Dalapon	mg/l	.005	0.00396	79.3	41.8-105	WG674015
Dicamba	mg/l	.005	0.00426	85.1	61.9-114	WG674015
Dichloroprop	mg/l	.005	0.00363	72.7	63-129	WG674015
Dinoseb	mg/l	.005	0.00294	58.7	43.7-121	WG674015
MCPA	mg/l	.5	0.376	75.1	10-184	WG674015
MCPP	mg/l	.5	0.649	130.	55.3-188	WG674015
2,4-Dichlorophenyl Acetic Acid				81.90	23.3-142	WG674015
Arsenic,Dissolved	mg/l	1	1.00	100.	85-115	WG674235
Barium,Dissolved	mg/l	1	1.09	109.	85-115	WG674235
Cadmium,Dissolved	mg/l	1	1.09	109.	85-115	WG674235
Chromium,Dissolved	mg/l	1	1.10	110.	85-115	WG674235
Lead,Dissolved	mg/l	1	1.10	110.	85-115	WG674235
Selenium,Dissolved	mg/l	1	0.990	99.0	85-115	WG674235
Silver,Dissolved	mg/l	1	0.993	99.3	85-115	WG674235
1-Methylnaphthalene	mg/l	.002	0.00215	107.	71.2-137	WG674560
2-Chloronaphthalene	mg/l	.002	0.00208	104.	81.1-129	WG674560
2-Methylnaphthalene	mg/l	.002	0.00214	107.	69.8-134	WG674560
Acenaphthene	mg/l	.002	0.00204	102.	80.8-128	WG674560
Acenaphthylene	mg/l	.002	0.00213	106.	77.2-132	WG674560
Anthracene	mg/l	.002	0.00215	108.	78.4-136	WG674560
Benzo(a)anthracene	mg/l	.002	0.00203	101.	69.2-141	WG674560
Benzo(a)pyrene	mg/l	.002	0.00201	101.	71.1-135	WG674560
Benzo(b)fluoranthene	mg/l	.002	0.00197	98.4	69.5-140	WG674560
Benzo(g,h,i)perylene	mg/l	.002	0.00203	102.	64.6-138	WG674560
Benzo(k)fluoranthene	mg/l	.002	0.00189	94.5	69.3-144	WG674560
Chrysene	mg/l	.002	0.00206	103.	75.6-138	WG674560
Dibenz(a,h)anthracene	mg/l	.002	0.00184	92.2	64.1-139	WG674560
Fluoranthene	mg/l	.002	0.00225	112.	78.6-135	WG674560

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August 08, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Fluorene	mg/l	.002	0.00205	103.	78.3-131	WG674560
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00195	97.4	64.8-140	WG674560
Naphthalene	mg/l	.002	0.00223	112.	80.2-126	WG674560
Phenanthrene	mg/l	.002	0.00195	97.7	79.6-130	WG674560
Pyrene	mg/l	.002	0.00208	104.	76.6-134	WG674560
2-Fluorobiphenyl				114.0	64.4-143	WG674560
Nitrobenzene-d5				112.0	61.3-162	WG674560
p-Terphenyl-d14				108.0	55.3-145	WG674560
Ammonia Nitrogen	mg/l	7.5	7.56	101.	90-110	WG674594
Nitrate-Nitrite	mg/l	5	5.32	106.	90-110	WG674858
Diesel Range Organics (DRO)	mg/l	.75	0.848	113.	50-150	WG674795
Residual Range Organics (RRO)	mg/l	.75	0.923	123.	50-150	WG674795
o-Terphenyl				115.0	50-150	WG674795
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0215	86.0	77-128	WG675811
1,1,1-Trichloroethane	mg/l	.025	0.0205	82.1	71-126	WG675811
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0198	79.2	78-130	WG675811
1,1,2-Trichloroethane	mg/l	.025	0.0210	84.1	81-121	WG675811
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0222	88.9	53-143	WG675811
1,1-Dichloroethane	mg/l	.025	0.0204	81.5	73-123	WG675811
1,1-Dichloroethene	mg/l	.025	0.0199	79.6	54-134	WG675811
1,1-Dichloropropene	mg/l	.025	0.0202	80.7	67-127	WG675811
1,2,3-Trichlorobenzene	mg/l	.025	0.0217	86.7	77-130	WG675811
1,2,3-Trichloropropane	mg/l	.025	0.0203	81.3	68-130	WG675811
1,2,3-Trimethylbenzene	mg/l	.025	0.0200	79.8	77-126	WG675811
1,2,4-Trichlorobenzene	mg/l	.025	0.0234	93.5	76-127	WG675811
1,2,4-Trimethylbenzene	mg/l	.025	0.0215	86.0	77-129	WG675811
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0207	82.9	55-142	WG675811
1,2-Dibromoethane	mg/l	.025	0.0211	84.3	78-124	WG675811
1,2-Dichlorobenzene	mg/l	.025	0.0215	85.8	82-121	WG675811
1,2-Dichloroethane	mg/l	.025	0.0198	79.1	69-128	WG675811
1,2-Dichloropropane	mg/l	.025	0.0207	82.8	77-121	WG675811
1,3,5-Trimethylbenzene	mg/l	.025	0.0219	87.5	78-127	WG675811
1,3-Dichlorobenzene	mg/l	.025	0.0218	87.3	77-127	WG675811
1,3-Dichloropropane	mg/l	.025	0.0207	82.7	78-117	WG675811
1,4-Dichlorobenzene	mg/l	.025	0.0218	87.2	79-117	WG675811
2,2-Dichloropropane	mg/l	.025	0.0208	83.1	63-130	WG675811
2-Butanone (MEK)	mg/l	.125	0.107	85.2	58-144	WG675811
2-Chloroethyl vinyl ether	mg/l	.125	0.103	82.0	26-172	WG675811
2-Chlorotoluene	mg/l	.025	0.0213	85.2	78-123	WG675811
4-Chlorotoluene	mg/l	.025	0.0218	87.1	78-122	WG675811
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.108	86.0	58-147	WG675811
Acetone	mg/l	.125	0.103	82.2	49-153	WG675811
Acrolein	mg/l	.125	0.118	94.3	10-181	WG675811
Acrylonitrile	mg/l	.125	0.0976	78.1	53-153	WG675811
Benzene	mg/l	.025	0.0202	81.0	72-119	WG675811
Bromobenzene	mg/l	.025	0.0208	83.3	76-121	WG675811
Bromodichloromethane	mg/l	.025	0.0200	80.0	75-127	WG675811
Bromoform	mg/l	.025	0.0212	84.6	61-136	WG675811
Bromomethane	mg/l	.025	0.0210	84.1	42-172	WG675811
Carbon tetrachloride	mg/l	.025	0.0206	82.5	63-129	WG675811
Chlorobenzene	mg/l	.025	0.0216	86.3	78-123	WG675811

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chlorodibromomethane	mg/l	.025	0.0207	82.7	73-128	WG675811
Chloroethane	mg/l	.025	0.0210	84.0	52-164	WG675811
Chloroform	mg/l	.025	0.0209	83.5	76-122	WG675811
Chloromethane	mg/l	.025	0.0190	76.2	50-141	WG675811
cis-1,2-Dichloroethene	mg/l	.025	0.0201	80.3	75-121	WG675811
cis-1,3-Dichloropropene	mg/l	.025	0.0209	83.5	74-124	WG675811
Di-isopropyl ether	mg/l	.025	0.0206	82.3	66-129	WG675811
Dibromomethane	mg/l	.025	0.0205	82.1	77-124	WG675811
Dichlorodifluoromethane	mg/l	.025	0.0202	80.7	33-173	WG675811
Ethylbenzene	mg/l	.025	0.0217	86.9	77-124	WG675811
Hexachloro-1,3-butadiene	mg/l	.025	0.0211	84.5	71-134	WG675811
Isopropylbenzene	mg/l	.025	0.0238	95.2	74-126	WG675811
Methyl tert-butyl ether	mg/l	.025	0.0201	80.4	67-127	WG675811
Methylene Chloride	mg/l	.025	0.0189	75.6	67-122	WG675811
n-Butylbenzene	mg/l	.025	0.0231	92.3	74-130	WG675811
n-Propylbenzene	mg/l	.025	0.0220	88.2	77-125	WG675811
Naphthalene	mg/l	.025	0.0205	82.0	70-134	WG675811
p-Isopropyltoluene	mg/l	.025	0.0228	91.0	77-132	WG675811
sec-Butylbenzene	mg/l	.025	0.0223	89.1	77-130	WG675811
Styrene	mg/l	.025	0.0225	90.0	69-145	WG675811
tert-Butylbenzene	mg/l	.025	0.0223	89.2	76-131	WG675811
Tetrachloroethene	mg/l	.025	0.0214	85.5	69-131	WG675811
Toluene	mg/l	.025	0.0209	83.5	75-114	WG675811
trans-1,2-Dichloroethene	mg/l	.025	0.0195	78.1	63-127	WG675811
trans-1,3-Dichloropropene	mg/l	.025	0.0210	83.8	69-124	WG675811
Trichloroethene	mg/l	.025	0.0204	81.8	69-131	WG675811
Trichlorofluoromethane	mg/l	.025	0.0210	83.9	53-161	WG675811
Vinyl chloride	mg/l	.025	0.0197	78.8	55-142	WG675811
Xylenes, Total	mg/l	.075	0.0650	86.6	77-123	WG675811
4-Bromofluorobenzene				103.0	82-120	WG675811
Dibromofluoromethane				101.0	82-126	WG675811
Toluene-d8				106.0	92-112	WG675811

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0263	0.0255	105.	77-128	3.32	20	WG673939
1,1,1-Trichloroethane	mg/l	0.0235	0.0232	94.0	71-126	1.14	20	WG673939
1,1,2,2-Tetrachloroethane	mg/l	0.0246	0.0241	98.0	78-130	1.85	20	WG673939
1,1,2-Trichloroethane	mg/l	0.0263	0.0254	105.	81-121	3.55	20	WG673939
1,1,2-Trichlorotrifluoroethane	mg/l	0.0273	0.0273	109.	53-143	0.130	20	WG673939
1,1-Dichloroethane	mg/l	0.0249	0.0251	100.	73-123	0.480	20	WG673939
1,1-Dichloroethene	mg/l	0.0272	0.0275	109.	54-134	1.27	20	WG673939
1,1-Dichloropropene	mg/l	0.0238	0.0239	95.0	67-127	0.490	20	WG673939
1,2,3-Trichlorobenzene	mg/l	0.0267	0.0263	107.	77-130	1.43	20	WG673939
1,2,3-Trichloropropane	mg/l	0.0249	0.0246	100.	68-130	1.07	20	WG673939
1,2,3-Trimethylbenzene	mg/l	0.0242	0.0237	97.0	77-126	2.20	20	WG673939
1,2,4-Trichlorobenzene	mg/l	0.0269	0.0261	107.	76-127	2.69	20	WG673939
1,2,4-Trimethylbenzene	mg/l	0.0265	0.0257	106.	77-129	3.06	20	WG673939
1,2-Dibromo-3-Chloropropane	mg/l	0.0254	0.0259	102.	55-142	1.74	20	WG673939
1,2-Dibromoethane	mg/l	0.0261	0.0258	104.	78-124	1.15	20	WG673939
1,2-Dichlorobenzene	mg/l	0.0261	0.0253	104.	82-121	3.14	20	WG673939
1,2-Dichloroethane	mg/l	0.0231	0.0236	92.0	69-128	2.12	20	WG673939
1,2-Dichloropropane	mg/l	0.0261	0.0261	104.	77-121	0.190	20	WG673939
1,3,5-Trimethylbenzene	mg/l	0.0268	0.0259	107.	78-127	3.49	20	WG673939
1,3-Dichlorobenzene	mg/l	0.0265	0.0256	106.	77-127	3.41	20	WG673939
1,3-Dichloropropane	mg/l	0.0259	0.0256	104.	78-117	1.41	20	WG673939
1,4-Dichlorobenzene	mg/l	0.0259	0.0248	103.	79-117	4.02	20	WG673939
2,2-Dichloropropane	mg/l	0.0230	0.0222	92.0	63-130	3.24	20	WG673939

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
2-Butanone (MEK)	mg/l	0.125	0.127	100.	58-144	1.37	20	WG673939
2-Chloroethyl vinyl ether	mg/l	0.0818	0.0818	65.0	26-172	0.0500	22	WG673939
2-Chlorotoluene	mg/l	0.0252	0.0246	101.	78-123	2.35	20	WG673939
4-Chlorotoluene	mg/l	0.0255	0.0249	102.	78-122	2.51	20	WG673939
4-Methyl-2-pentanone (MIBK)	mg/l	0.136	0.132	109.	58-147	3.29	20	WG673939
Acetone	mg/l	0.118	0.120	94.0	49-153	1.85	21	WG673939
Acrolein	mg/l	0.197	0.207	158.	10-181	5.03	30	WG673939
Acrylonitrile	mg/l	0.122	0.124	98.0	53-153	1.65	20	WG673939
Benzene	mg/l	0.0248	0.0253	99.0	72-119	2.11	20	WG673939
Bromobenzene	mg/l	0.0254	0.0249	102.	76-121	2.02	20	WG673939
Bromodichloromethane	mg/l	0.0233	0.0233	93.0	75-127	0.0400	20	WG673939
Bromoform	mg/l	0.0273	0.0262	109.	61-136	4.19	20	WG673939
Bromomethane	mg/l	0.0318	0.0328	127.	42-172	3.20	20	WG673939
Carbon tetrachloride	mg/l	0.0231	0.0232	92.0	63-129	0.540	20	WG673939
Chlorobenzene	mg/l	0.0261	0.0257	104.	78-123	1.61	20	WG673939
Chlorodibromomethane	mg/l	0.0251	0.0250	100.	73-128	0.600	20	WG673939
Chloroethane	mg/l	0.0281	0.0278	112.	52-164	1.11	20	WG673939
Chloroform	mg/l	0.0240	0.0243	96.0	76-122	1.22	20	WG673939
Chloromethane	mg/l	0.0249	0.0244	100.	50-141	1.91	20	WG673939
cis-1,2-Dichloroethene	mg/l	0.0246	0.0247	98.0	75-121	0.590	20	WG673939
cis-1,3-Dichloropropene	mg/l	0.0261	0.0255	104.	74-124	2.52	20	WG673939
Di-isopropyl ether	mg/l	0.0263	0.0268	105.	66-129	1.86	20	WG673939
Dibromomethane	mg/l	0.0256	0.0258	102.	77-124	0.540	20	WG673939
Dichlorodifluoromethane	mg/l	0.0229	0.0220	92.0	33-173	4.03	20	WG673939
Ethylbenzene	mg/l	0.0264	0.0255	106.	77-124	3.48	20	WG673939
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0235	97.0	71-134	3.35	20	WG673939
Isopropylbenzene	mg/l	0.0285	0.0279	114.	74-126	2.34	20	WG673939
Methyl tert-butyl ether	mg/l	0.0262	0.0264	105.	67-127	0.940	20	WG673939
Methylene Chloride	mg/l	0.0228	0.0232	91.0	67-122	1.62	20	WG673939
n-Butylbenzene	mg/l	0.0254	0.0247	101.	74-130	2.79	20	WG673939
n-Propylbenzene	mg/l	0.0255	0.0249	102.	77-125	2.60	20	WG673939
Naphthalene	mg/l	0.0260	0.0253	104.	70-134	2.48	20	WG673939
p-Isopropyltoluene	mg/l	0.0278	0.0264	111.	77-132	5.06	20	WG673939
sec-Butylbenzene	mg/l	0.0267	0.0258	107.	77-130	3.41	20	WG673939
Styrene	mg/l	0.0283	0.0274	113.	69-145	3.16	20	WG673939
tert-Butylbenzene	mg/l	0.0268	0.0258	107.	76-131	3.60	20	WG673939
Tetrachloroethene	mg/l	0.0252	0.0249	101.	69-131	1.31	20	WG673939
Toluene	mg/l	0.0253	0.0253	101.	75-114	0.230	20	WG673939
trans-1,2-Dichloroethene	mg/l	0.0242	0.0241	97.0	63-127	0.320	20	WG673939
trans-1,3-Dichloropropene	mg/l	0.0259	0.0254	103.	69-124	1.88	20	WG673939
Trichloroethene	mg/l	0.0255	0.0247	102.	69-131	2.88	20	WG673939
Trichlorofluoromethane	mg/l	0.0258	0.0260	103.	53-161	0.770	20	WG673939
Vinyl chloride	mg/l	0.0255	0.0258	102.	55-142	1.14	20	WG673939
Xylenes, Total	mg/l	0.0803	0.0789	107.	77-123	1.82	20	WG673939
4-Bromofluorobenzene				98.95	82-120			WG673939
Dibromofluoromethane				99.78	82-126			WG673939
Toluene-d8				105.6	92-112			WG673939
Gasoline Range Organics-NWTPH	mg/l	4.83	4.34	88.0	66-123	10.7	20	WG673802
a,a,a-Trifluorotoluene(FID)				103.9	62-128			WG673802
Gasoline Range Organics-NWTPH	mg/l	4.62	4.59	84.0	66-123	0.670	20	WG673951
a,a,a-Trifluorotoluene(FID)				105.1	62-128			WG673951
Sulfate	mg/l	41.2	40.9	103.	90-110	0.731	20	WG673980

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1-Methylnaphthalene	mg/l	0.00204	0.00224	102.	71.2-137	9.42	20	WG673751
2-Chloronaphthalene	mg/l	0.00216	0.00239	108.	81.1-129	10.4	20	WG673751
2-Methylnaphthalene	mg/l	0.00205	0.00227	103.	69.8-134	9.81	20	WG673751
Acenaphthene	mg/l	0.00223	0.00246	111.	80.8-128	9.94	20	WG673751
Acenaphthylene	mg/l	0.00225	0.00249	112.	77.2-132	10.1	20	WG673751
Anthracene	mg/l	0.00240	0.00266	120.	78.4-136	10.3	20	WG673751
Benzo(a)anthracene	mg/l	0.00217	0.00242	108.	69.2-141	10.9	20	WG673751
Benzo(a)pyrene	mg/l	0.00226	0.00252	113.	71.1-135	10.8	20	WG673751
Benzo(b)fluoranthene	mg/l	0.00228	0.00243	114.	69.5-140	6.54	20	WG673751
Benzo(g,h,i)perylene	mg/l	0.00223	0.00261	111.	64.6-138	16.0	20	WG673751
Benzo(k)fluoranthene	mg/l	0.00212	0.00245	106.	69.3-144	14.5	20	WG673751
Chrysene	mg/l	0.00217	0.00233	109.	75.6-138	7.08	20	WG673751
Dibenz(a,h)anthracene	mg/l	0.00206	0.00247	103.	64.1-139	18.0	20	WG673751
Fluoranthene	mg/l	0.00241	0.00268	120.	78.6-135	10.8	20	WG673751
Fluorene	mg/l	0.00220	0.00243	110.	78.3-131	9.93	20	WG673751
Indeno(1,2,3-cd)pyrene	mg/l	0.00205	0.00243	102.	64.8-140	17.2	20	WG673751
Naphthalene	mg/l	0.00205	0.00225	102.	80.2-126	9.41	20	WG673751
Phenanthrene	mg/l	0.00208	0.00231	104.	79.6-130	10.2	20	WG673751
Pyrene	mg/l	0.00212	0.00233	106.	76.6-134	9.27	20	WG673751
2-Fluorobiphenyl				115.0	64.4-143			WG673751
Nitrobenzene-d5				124.0	61.3-162			WG673751
p-Terphenyl-d14				113.0	55.3-145			WG673751
2,4,5-T	mg/l	0.00396	0.00376	79.0	53.9-119	5.11	20	WG674015
2,4,5-TP (Silvex)	mg/l	0.00518	0.00484	104.	60.8-121	6.90	20	WG674015
2,4-D	mg/l	0.00413	0.00391	83.0	52.4-110	5.59	20	WG674015
2,4-DB	mg/l	0.00465	0.00440	93.0	33.9-123	5.50	20.7	WG674015
Dalapon	mg/l	0.00405	0.00396	81.0	41.8-105	2.18	20	WG674015
Dicamba	mg/l	0.00454	0.00426	91.0	61.9-114	6.42	20	WG674015
Dichloroprop	mg/l	0.00390	0.00363	78.0	63-129	6.95	20	WG674015
Dinoseb	mg/l	0.00297	0.00294	59.0	43.7-121	1.07	23.1	WG674015
MCPA	mg/l	0.398	0.376	80.0	10-184	5.89	38.1	WG674015
MCPP	mg/l	0.710	0.649	142.	55.3-188	8.95	20	WG674015
2,4-Dichlorophenyl Acetic Acid				88.10	23.3-142			WG674015
1-Methylnaphthalene	mg/l	0.00204	0.00215	102.	71.2-137	5.27	20	WG674560
2-Chloronaphthalene	mg/l	0.00199	0.00208	99.0	81.1-129	4.85	20	WG674560
2-Methylnaphthalene	mg/l	0.00202	0.00214	101.	69.8-134	5.57	20	WG674560
Acenaphthene	mg/l	0.00194	0.00204	97.0	80.8-128	5.03	20	WG674560
Acenaphthylene	mg/l	0.00205	0.00213	102.	77.2-132	3.75	20	WG674560
Anthracene	mg/l	0.00207	0.00215	104.	78.4-136	3.82	20	WG674560
Benzo(a)anthracene	mg/l	0.00195	0.00203	98.0	69.2-141	3.59	20	WG674560
Benzo(a)pyrene	mg/l	0.00192	0.00201	96.0	71.1-135	4.75	20	WG674560
Benzo(b)fluoranthene	mg/l	0.00188	0.00197	94.0	69.5-140	4.79	20	WG674560
Benzo(g,h,i)perylene	mg/l	0.00193	0.00203	96.0	64.6-138	5.50	20	WG674560
Benzo(k)fluoranthene	mg/l	0.00179	0.00189	90.0	69.3-144	5.42	20	WG674560
Chrysene	mg/l	0.00198	0.00206	99.0	75.6-138	4.04	20	WG674560
Dibenz(a,h)anthracene	mg/l	0.00176	0.00184	88.0	64.1-139	4.50	20	WG674560
Fluoranthene	mg/l	0.00213	0.00225	107.	78.6-135	5.18	20	WG674560
Fluorene	mg/l	0.00196	0.00205	98.0	78.3-131	4.44	20	WG674560
Indeno(1,2,3-cd)pyrene	mg/l	0.00185	0.00195	92.0	64.8-140	5.15	20	WG674560
Naphthalene	mg/l	0.00210	0.00223	105.	80.2-126	6.42	20	WG674560
Phenanthrene	mg/l	0.00185	0.00195	92.0	79.6-130	5.40	20	WG674560
Pyrene	mg/l	0.00200	0.00208	100.	76.6-134	3.92	20	WG674560
2-Fluorobiphenyl				108.0	64.4-143			WG674560
Nitrobenzene-d5				107.0	61.3-162			WG674560

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Quality Assurance Report
Level II

L648366

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Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
p-Terphenyl-d14				104.0	55.3-145			
Ammonia Nitrogen	mg/l	7.90	7.56	105.	90-110	4.40	20	WG674594
Nitrate-Nitrite	mg/l	5.32	5.32	106.	90-110	0	20	WG674858
Diesel Range Organics (DRO)	mg/l	0.835	0.848	111.	50-150	1.50	20	WG674795
Residual Range Organics (RRO)	mg/l	0.906	0.923	121.	50-150	1.80	20	WG674795
o-Terphenyl				112.0	50-150			WG674795
1,1,1,2-Tetrachloroethane	mg/l	0.0244	0.0215	97.0	77-128	12.4	20	WG675811
1,1,1-Trichloroethane	mg/l	0.0240	0.0205	96.0	71-126	15.4	20	WG675811
1,1,2,2-Tetrachloroethane	mg/l	0.0226	0.0198	90.0	78-130	13.3	20	WG675811
1,1,2-Trichloroethane	mg/l	0.0230	0.0210	92.0	81-121	9.09	20	WG675811
1,1,2-Trichlorotrifluoroethane	mg/l	0.0259	0.0222	104.	53-143	15.3	20	WG675811
1,1-Dichloroethane	mg/l	0.0232	0.0204	93.0	73-123	12.9	20	WG675811
1,1-Dichloroethene	mg/l	0.0228	0.0199	91.0	54-134	13.7	20	WG675811
1,1-Dichloropropene	mg/l	0.0230	0.0202	92.0	67-127	13.2	20	WG675811
1,2,3-Trichlorobenzene	mg/l	0.0253	0.0217	101.	77-130	15.3	20	WG675811
1,2,3-Trichloropropane	mg/l	0.0226	0.0203	90.0	68-130	10.5	20	WG675811
1,2,3-Trimethylbenzene	mg/l	0.0224	0.0200	90.0	77-126	11.8	20	WG675811
1,2,4-Trichlorobenzene	mg/l	0.0272	0.0234	109.	76-127	15.1	20	WG675811
1,2,4-Trimethylbenzene	mg/l	0.0243	0.0215	97.0	77-129	12.3	20	WG675811
1,2-Dibromo-3-Chloropropane	mg/l	0.0243	0.0207	97.0	55-142	15.8	20	WG675811
1,2-Dibromoethane	mg/l	0.0230	0.0211	92.0	78-124	8.60	20	WG675811
1,2-Dichlorobenzene	mg/l	0.0239	0.0215	96.0	82-121	10.8	20	WG675811
1,2-Dichloroethane	mg/l	0.0219	0.0198	88.0	69-128	10.4	20	WG675811
1,2-Dichloropropane	mg/l	0.0230	0.0207	92.0	77-121	10.4	20	WG675811
1,3,5-Trimethylbenzene	mg/l	0.0249	0.0219	99.0	78-127	12.7	20	WG675811
1,3-Dichlorobenzene	mg/l	0.0247	0.0218	99.0	77-127	12.4	20	WG675811
1,3-Dichloropropane	mg/l	0.0225	0.0207	90.0	78-117	8.71	20	WG675811
1,4-Dichlorobenzene	mg/l	0.0241	0.0218	96.0	79-117	10.2	20	WG675811
2,2-Dichloropropane	mg/l	0.0257	0.0208	103.	63-130	21.1*	20	WG675811
2-Butanone (MEK)	mg/l	0.119	0.107	96.0	58-144	11.4	20	WG675811
2-Chloroethyl vinyl ether	mg/l	0.111	0.103	88.0	26-172	7.62	22	WG675811
2-Chlorotoluene	mg/l	0.0241	0.0213	96.0	78-123	12.4	20	WG675811
4-Chlorotoluene	mg/l	0.0246	0.0218	98.0	78-122	12.1	20	WG675811
4-Methyl-2-pentanone (MIBK)	mg/l	0.121	0.108	97.0	58-147	11.7	20	WG675811
Acetone	mg/l	0.113	0.103	90.0	49-153	9.20	21	WG675811
Acrolein	mg/l	0.113	0.118	90.0	10-181	4.34	30	WG675811
Acrylonitrile	mg/l	0.109	0.0976	87.0	53-153	11.0	20	WG675811
Benzene	mg/l	0.0227	0.0202	91.0	72-119	11.5	20	WG675811
Bromobenzene	mg/l	0.0235	0.0208	94.0	76-121	11.9	20	WG675811
Bromodichloromethane	mg/l	0.0226	0.0200	90.0	75-127	12.1	20	WG675811
Bromoform	mg/l	0.0238	0.0212	95.0	61-136	12.0	20	WG675811
Bromomethane	mg/l	0.0245	0.0210	98.0	42-172	15.3	20	WG675811
Carbon tetrachloride	mg/l	0.0239	0.0206	95.0	63-129	14.6	20	WG675811
Chlorobenzene	mg/l	0.0236	0.0216	94.0	78-123	8.90	20	WG675811
Chlorodibromomethane	mg/l	0.0231	0.0207	92.0	73-128	11.0	20	WG675811
Chloroethane	mg/l	0.0242	0.0210	97.0	52-164	14.3	20	WG675811
Chloroform	mg/l	0.0235	0.0209	94.0	76-122	11.8	20	WG675811
Chloromethane	mg/l	0.0218	0.0190	87.0	50-141	13.4	20	WG675811
cis-1,2-Dichloroethene	mg/l	0.0228	0.0201	91.0	75-121	12.6	20	WG675811
cis-1,3-Dichloropropene	mg/l	0.0228	0.0209	91.0	74-124	8.69	20	WG675811
Di-isopropyl ether	mg/l	0.0230	0.0206	92.0	66-129	11.2	20	WG675811
Dibromomethane	mg/l	0.0235	0.0205	94.0	77-124	13.6	20	WG675811
Dichlorodifluoromethane	mg/l	0.0232	0.0202	93.0	33-173	14.1	20	WG675811

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Ethylbenzene	mg/l	0.0241	0.0217	96.0	77-124	10.6	20	WG675811
Hexachloro-1,3-butadiene	mg/l	0.0249	0.0211	100.	71-134	16.6	20	WG675811
Isopropylbenzene	mg/l	0.0269	0.0238	108.	74-126	12.2	20	WG675811
Methyl tert-butyl ether	mg/l	0.0228	0.0201	91.0	67-127	12.4	20	WG675811
Methylene Chloride	mg/l	0.0215	0.0189	86.0	67-122	13.0	20	WG675811
n-Butylbenzene	mg/l	0.0259	0.0231	104.	74-130	11.6	20	WG675811
n-Propylbenzene	mg/l	0.0248	0.0220	99.0	77-125	11.9	20	WG675811
Naphthalene	mg/l	0.0243	0.0205	97.0	70-134	17.1	20	WG675811
p-Isopropyltoluene	mg/l	0.0258	0.0228	103.	77-132	12.5	20	WG675811
sec-Butylbenzene	mg/l	0.0254	0.0223	101.	77-130	12.9	20	WG675811
Styrene	mg/l	0.0250	0.0225	100.	69-145	10.5	20	WG675811
tert-Butylbenzene	mg/l	0.0253	0.0223	101.	76-131	12.7	20	WG675811
Tetrachloroethene	mg/l	0.0239	0.0214	96.0	69-131	11.2	20	WG675811
Toluene	mg/l	0.0232	0.0209	93.0	75-114	10.4	20	WG675811
trans-1,2-Dichloroethene	mg/l	0.0223	0.0195	89.0	63-127	13.4	20	WG675811
trans-1,3-Dichloropropene	mg/l	0.0229	0.0210	92.0	69-124	9.02	20	WG675811
Trichloroethene	mg/l	0.0235	0.0204	94.0	69-131	13.8	20	WG675811
Trichlorofluoromethane	mg/l	0.0246	0.0210	98.0	53-161	16.1	20	WG675811
Vinyl chloride	mg/l	0.0231	0.0197	92.0	55-142	15.7	20	WG675811
Xylenes, Total	mg/l	0.0727	0.0650	97.0	77-123	11.2	20	WG675811
4-Bromofluorobenzene				102.0	82-120			WG675811
Dibromofluoromethane				103.0	82-126			WG675811
Toluene-d8				106.0	92-112			WG675811

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0246	0	.025	98.3	71-130	L648366-01	WG673939
1,1,1-Trichloroethane	mg/l	0.0226	0	.025	90.5	58-137	L648366-01	WG673939
1,1,2,2-Tetrachloroethane	mg/l	0.0240	0	.025	95.8	64-149	L648366-01	WG673939
1,1,2-Trichloroethane	mg/l	0.0241	0	.025	96.3	73-128	L648366-01	WG673939
1,1,2-Trichlorotrifluoroethane	mg/l	0.0264	0	.025	106.	36-159	L648366-01	WG673939
1,1-Dichloroethane	mg/l	0.0236	0	.025	94.4	58-133	L648366-01	WG673939
1,1-Dichloroethene	mg/l	0.0261	0	.025	104.	32-152	L648366-01	WG673939
1,1-Dichloropropene	mg/l	0.0227	0	.025	90.7	50-140	L648366-01	WG673939
1,2,3-Trichlorobenzene	mg/l	0.0252	0	.025	101.	68-135	L648366-01	WG673939
1,2,3-Trichloropropane	mg/l	0.0236	0	.025	94.6	74-137	L648366-01	WG673939
1,2,3-Trimethylbenzene	mg/l	0.0228	0	.025	91.1	67-133	L648366-01	WG673939
1,2,4-Trichlorobenzene	mg/l	0.0260	0	.025	104.	67-133	L648366-01	WG673939
1,2,4-Trimethylbenzene	mg/l	0.0249	0	.025	99.6	62-141	L648366-01	WG673939
1,2-Dibromo-3-Chloropropane	mg/l	0.0241	0	.025	96.4	55-148	L648366-01	WG673939
1,2-Dibromoethane	mg/l	0.0237	0	.025	95.0	71-129	L648366-01	WG673939
1,2-Dichlorobenzene	mg/l	0.0246	0	.025	98.5	75-125	L648366-01	WG673939
1,2-Dichloroethane	mg/l	0.0216	0	.025	86.6	59-135	L648366-01	WG673939
1,2-Dichloropropane	mg/l	0.0246	0	.025	98.5	68-126	L648366-01	WG673939
1,3,5-Trimethylbenzene	mg/l	0.0251	0	.025	100.	67-136	L648366-01	WG673939
1,3-Dichlorobenzene	mg/l	0.0244	0	.025	97.5	69-131	L648366-01	WG673939
1,3-Dichloropropane	mg/l	0.0238	0	.025	95.0	70-122	L648366-01	WG673939
1,4-Dichlorobenzene	mg/l	0.0242	0	.025	96.6	70-123	L648366-01	WG673939
2,2-Dichloropropane	mg/l	0.0233	0	.025	93.1	51-141	L648366-01	WG673939
2-Butanone (MEK)	mg/l	0.0926	0	.125	74.1	51-149	L648366-01	WG673939
2-Chloroethyl vinyl ether	mg/l	0.00588	0	.125	4.70*	10-161	L648366-01	WG673939
2-Chlorotoluene	mg/l	0.0234	0	.025	93.5	65-133	L648366-01	WG673939
4-Chlorotoluene	mg/l	0.0239	0	.025	95.7	67-129	L648366-01	WG673939
4-Methyl-2-pentanone (MIBK)	mg/l	0.129	0	.125	103.	53-154	L648366-01	WG673939
Acetone	mg/l	0.0616	0.00459	.125	45.6	34-146	L648366-01	WG673939
Acrolein	mg/l	0.170	0	.125	136.	10-189	L648366-01	WG673939
Acrylonitrile	mg/l	0.119	0	.125	94.9	49-162	L648366-01	WG673939
Benzene	mg/l	0.0235	0	.025	94.0	51-134	L648366-01	WG673939

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromobenzene	mg/l	0.0235	0	.025	94.0	64-130	L648366-01	WG673939
Bromodichloromethane	mg/l	0.0224	0	.025	89.5	67-132	L648366-01	WG673939
Bromoform	mg/l	0.0252	0	.025	101.	59-137	L648366-01	WG673939
Bromomethane	mg/l	0.0283	0	.025	113.	23-177	L648366-01	WG673939
Carbon tetrachloride	mg/l	0.0222	0	.025	88.7	49-140	L648366-01	WG673939
Chlorobenzene	mg/l	0.0242	0	.025	96.6	69-126	L648366-01	WG673939
Chlorodibromomethane	mg/l	0.0233	0	.025	93.1	68-130	L648366-01	WG673939
Chloroethane	mg/l	0.0259	0	.025	103.	32-177	L648366-01	WG673939
Chloroform	mg/l	0.0229	0	.025	91.8	64-130	L648366-01	WG673939
Chloromethane	mg/l	0.0223	0	.025	89.1	27-155	L648366-01	WG673939
cis-1,2-Dichloroethene	mg/l	0.0234	0	.025	93.5	54-137	L648366-01	WG673939
cis-1,3-Dichloropropene	mg/l	0.0240	0	.025	96.2	63-127	L648366-01	WG673939
Di-isopropyl ether	mg/l	0.0249	0	.025	99.7	58-133	L648366-01	WG673939
Dibromomethane	mg/l	0.0241	0	.025	96.2	68-131	L648366-01	WG673939
Dichlorodifluoromethane	mg/l	0.0226	0	.025	90.4	16-188	L648366-01	WG673939
Ethylbenzene	mg/l	0.0248	0	.025	99.0	64-135	L648366-01	WG673939
Hexachloro-1,3-butadiene	mg/l	0.0234	0	.025	93.8	64-140	L648366-01	WG673939
Isopropylbenzene	mg/l	0.0268	0	.025	107.	62-134	L648366-01	WG673939
Methyl tert-butyl ether	mg/l	0.0261	0	.025	104.	55-136	L648366-01	WG673939
Methylene Chloride	mg/l	0.0215	0	.025	85.9	52-130	L648366-01	WG673939
n-Butylbenzene	mg/l	0.0249	0	.025	99.7	62-142	L648366-01	WG673939
n-Propylbenzene	mg/l	0.0242	0	.025	96.8	62-137	L648366-01	WG673939
Naphthalene	mg/l	0.0241	0	.025	96.5	65-140	L648366-01	WG673939
p-Isopropyltoluene	mg/l	0.0261	0	.025	104.	64-142	L648366-01	WG673939
sec-Butylbenzene	mg/l	0.0251	0	.025	100.	67-139	L648366-01	WG673939
Styrene	mg/l	0.0259	0	.025	104.	58-152	L648366-01	WG673939
tert-Butylbenzene	mg/l	0.0249	0	.025	99.5	66-139	L648366-01	WG673939
Tetrachloroethene	mg/l	0.0232	0	.025	93.0	56-139	L648366-01	WG673939
Toluene	mg/l	0.0243	0	.025	97.2	61-126	L648366-01	WG673939
trans-1,2-Dichloroethene	mg/l	0.0226	0	.025	90.5	45-137	L648366-01	WG673939
trans-1,3-Dichloropropene	mg/l	0.0247	0	.025	99.0	59-130	L648366-01	WG673939
Trichloroethene	mg/l	0.0233	0	.025	93.3	40-155	L648366-01	WG673939
Trichlorofluoromethane	mg/l	0.0251	0	.025	100.	35-177	L648366-01	WG673939
Vinyl chloride	mg/l	0.0240	0	.025	96.0	32-159	L648366-01	WG673939
Xylenes, Total	mg/l	0.0753	0	.075	100.	64-133	L648366-01	WG673939
4-Bromofluorobenzene					96.96	82-120		WG673939
Dibromofluoromethane					100.4	82-126		WG673939
Toluene-d8					105.0	92-112		WG673939
Gasoline Range Organics-NWTPH	mg/l	4.22	0.0312	5.5	76.1	47.5-136	L648177-06	WG673802
a,a,a-Trifluorotoluene(FID)					102.8	62-128		WG673802
Gasoline Range Organics-NWTPH	mg/l	4.62	0.0518	5.5	83.1	47.5-136	L648366-06	WG673951
a,a,a-Trifluorotoluene(FID)					104.9	62-128		WG673951
Sulfate	mg/l	121.	76.0	50	90.0	80-120	L648194-03	WG673980
Mercury,Dissolved	mg/l	0.00317	0.0000466	.003	104.	80-120	L647973-01	WG673774
Barium,Dissolved	mg/l	1.78	0.700	1	108.	75-125	L648421-04	WG674235
Cadmium,Dissolved	mg/l	1.06	0.00560	1	105.	75-125	L648421-04	WG674235
Chromium,Dissolved	mg/l	1.13	0	1	113.	75-125	L648421-04	WG674235
Lead,Dissolved	mg/l	1.06	0.00227	1	106.	75-125	L648421-04	WG674235
Selenium,Dissolved	mg/l	1.11	0.0502	1	106.	75-125	L648421-04	WG674235

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Silver,Dissolved	mg/l	0.0570	0.00186	1	5.51*	75-125	L648421-04	WG674235
Arsenic,Dissolved	mg/l	1.02	0	.5	102.	75-125	L648421-04	WG674235
Ammonia Nitrogen	mg/l	5.51	0.290	5	104.	90-110	L648355-01	WG674594
Nitrate-Nitrite	mg/l	6.75	2.90	5	77.0*	90-110	L648366-01	WG674858
1,1,1,2-Tetrachloroethane	mg/l	0.0228	0	.025	91.2	71-130	L650203-02	WG675811
1,1,1-Trichloroethane	mg/l	0.0232	0	.025	92.7	58-137	L650203-02	WG675811
1,1,2,2-Tetrachloroethane	mg/l	0.0219	0	.025	87.5	64-149	L650203-02	WG675811
1,1,2-Trichloroethane	mg/l	0.0228	0	.025	91.1	73-128	L650203-02	WG675811
1,1,2-Trichlorotrifluoroethane	mg/l	0.0265	0	.025	106.	36-159	L650203-02	WG675811
1,1-Dichloroethane	mg/l	0.0235	0	.025	93.9	58-133	L650203-02	WG675811
1,1-Dichloroethene	mg/l	0.0247	0	.025	98.7	32-152	L650203-02	WG675811
1,1-Dichloropropene	mg/l	0.0233	0	.025	93.2	50-140	L650203-02	WG675811
1,2,3-Trichlorobenzene	mg/l	0.0212	0	.025	84.8	68-135	L650203-02	WG675811
1,2,3-Trichloropropane	mg/l	0.0218	0	.025	87.3	74-137	L650203-02	WG675811
1,2,3-Trimethylbenzene	mg/l	0.0207	0	.025	82.7	67-133	L650203-02	WG675811
1,2,4-Trichlorobenzene	mg/l	0.0224	0	.025	89.6	67-133	L650203-02	WG675811
1,2,4-Trimethylbenzene	mg/l	0.0219	0	.025	87.4	62-141	L650203-02	WG675811
1,2-Dibromo-3-Chloropropane	mg/l	0.0230	0	.025	92.2	55-148	L650203-02	WG675811
1,2-Dibromoethane	mg/l	0.0234	0	.025	93.7	71-129	L650203-02	WG675811
1,2-Dichlorobenzene	mg/l	0.0223	0	.025	89.1	75-125	L650203-02	WG675811
1,2-Dichloroethane	mg/l	0.0228	0	.025	91.2	59-135	L650203-02	WG675811
1,2-Dichloropropane	mg/l	0.0228	0	.025	91.4	68-126	L650203-02	WG675811
1,3,5-Trimethylbenzene	mg/l	0.0223	0	.025	89.3	67-136	L650203-02	WG675811
1,3-Dichlorobenzene	mg/l	0.0224	0	.025	89.6	69-131	L650203-02	WG675811
1,3-Dichloropropane	mg/l	0.0226	0	.025	90.2	70-122	L650203-02	WG675811
1,4-Dichlorobenzene	mg/l	0.0221	0	.025	88.5	70-123	L650203-02	WG675811
2,2-Dichloropropane	mg/l	0.0233	0	.025	93.4	51-141	L650203-02	WG675811
2-Butanone (MEK)	mg/l	0.0837	0.000765	.125	66.3	51-149	L650203-02	WG675811
2-Chloroethyl vinyl ether	mg/l	0.00133	0	.125	1.06*	10-161	L650203-02	WG675811
2-Chlorotoluene	mg/l	0.0220	0	.025	88.0	65-133	L650203-02	WG675811
4-Chlorotoluene	mg/l	0.0223	0	.025	89.2	67-129	L650203-02	WG675811
4-Methyl-2-pentanone (MIBK)	mg/l	0.117	0	.125	93.2	53-154	L650203-02	WG675811
Acetone	mg/l	0.0659	0.00539	.125	48.4	34-146	L650203-02	WG675811
Acrolein	mg/l	0.337	0	.125	269.*	10-189	L650203-02	WG675811
Acrylonitrile	mg/l	0.114	0	.125	91.5	49-162	L650203-02	WG675811
Benzene	mg/l	0.0232	0	.025	92.6	51-134	L650203-02	WG675811
Bromobenzene	mg/l	0.0222	0	.025	88.7	64-130	L650203-02	WG675811
Bromodichloromethane	mg/l	0.0309	0.00883	.025	88.1	67-132	L650203-02	WG675811
Bromoform	mg/l	0.0436	0.0190	.025	98.3	59-137	L650203-02	WG675811
Bromomethane	mg/l	0.0240	0	.025	96.1	23-177	L650203-02	WG675811
Carbon tetrachloride	mg/l	0.0235	0	.025	94.0	49-140	L650203-02	WG675811
Chlorobenzene	mg/l	0.0228	0	.025	91.4	69-126	L650203-02	WG675811
Chlorodibromomethane	mg/l	0.0363	0.0129	.025	93.5	68-130	L650203-02	WG675811
Chloroethane	mg/l	0.0240	0	.025	96.2	32-177	L650203-02	WG675811
Chloroform	mg/l	0.0334	0.0104	.025	92.1	64-130	L650203-02	WG675811
Chloromethane	mg/l	0.0227	0	.025	90.8	27-155	L650203-02	WG675811
cis-1,2-Dichloroethene	mg/l	0.0231	0	.025	92.6	54-137	L650203-02	WG675811
cis-1,3-Dichloropropene	mg/l	0.0228	0	.025	91.4	63-127	L650203-02	WG675811
Di-isopropyl ether	mg/l	0.0235	0	.025	94.1	58-133	L650203-02	WG675811
Dibromomethane	mg/l	0.0234	0	.025	93.6	68-131	L650203-02	WG675811
Dichlorodifluoromethane	mg/l	0.0232	0	.025	92.8	16-188	L650203-02	WG675811
Ethylbenzene	mg/l	0.0231	0	.025	92.3	64-135	L650203-02	WG675811
Hexachloro-1,3-butadiene	mg/l	0.0181	0	.025	72.4	64-140	L650203-02	WG675811

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Est. 1970

HDR - Boise, ID
Nancy Nething
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Isopropylbenzene	mg/l	0.0246	0	.025	98.4	62-134	L650203-02	WG675811
Methyl tert-butyl ether	mg/l	0.0245	0	.025	97.9	55-136	L650203-02	WG675811
Methylene Chloride	mg/l	0.0228	0	.025	91.3	52-130	L650203-02	WG675811
n-Butylbenzene	mg/l	0.0216	0	.025	86.6	62-142	L650203-02	WG675811
n-Propylbenzene	mg/l	0.0224	0	.025	89.6	62-137	L650203-02	WG675811
Naphthalene	mg/l	0.0221	0	.025	88.5	65-140	L650203-02	WG675811
p-Isopropyltoluene	mg/l	0.0223	0	.025	89.1	64-142	L650203-02	WG675811
sec-Butylbenzene	mg/l	0.0219	0	.025	87.4	67-139	L650203-02	WG675811
Styrene	mg/l	0.0233	0	.025	93.1	58-152	L650203-02	WG675811
tert-Butylbenzene	mg/l	0.0226	0	.025	90.3	66-139	L650203-02	WG675811
Tetrachloroethene	mg/l	0.0230	0	.025	92.1	56-139	L650203-02	WG675811
Toluene	mg/l	0.0228	0	.025	91.2	61-126	L650203-02	WG675811
trans-1,2-Dichloroethene	mg/l	0.0235	0	.025	94.1	45-137	L650203-02	WG675811
trans-1,3-Dichloropropene	mg/l	0.0229	0	.025	91.7	59-130	L650203-02	WG675811
Trichloroethene	mg/l	0.0229	0	.025	91.4	40-155	L650203-02	WG675811
Trichlorofluoromethane	mg/l	0.0234	0	.025	93.6	35-177	L650203-02	WG675811
Vinyl chloride	mg/l	0.0228	0	.025	91.2	32-159	L650203-02	WG675811
Xylenes, Total	mg/l	0.0685	0	.075	91.3	64-133	L650203-02	WG675811
4-Bromofluorobenzene					103.0	82-120		WG675811
Dibromofluoromethane					101.0	82-126		WG675811
Toluene-d8					105.0	92-112		WG675811

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0264	0.0246	105.	71-130	6.98	20	L648366-01	WG673939
1,1,1-Trichloroethane	mg/l	0.0239	0.0226	95.6	58-137	5.51	20	L648366-01	WG673939
1,1,2,2-Tetrachloroethane	mg/l	0.0270	0.0240	108.	64-149	11.9	20	L648366-01	WG673939
1,1,2-Trichloroethane	mg/l	0.0262	0.0241	105.	73-128	8.64	20	L648366-01	WG673939
1,1,2-Trichlorotrifluoroethane	mg/l	0.0282	0.0264	113.	36-159	6.51	21	L648366-01	WG673939
1,1-Dichloroethane	mg/l	0.0250	0.0236	99.9	58-133	5.64	20	L648366-01	WG673939
1,1-Dichloroethene	mg/l	0.0272	0.0261	109.	32-152	3.99	20	L648366-01	WG673939
1,1-Dichloropropene	mg/l	0.0241	0.0227	96.4	50-140	6.08	20	L648366-01	WG673939
1,2,3-Trichlorobenzene	mg/l	0.0270	0.0252	108.	68-135	6.81	20	L648366-01	WG673939
1,2,3-Trichloropropane	mg/l	0.0264	0.0236	105.	74-137	10.9	20	L648366-01	WG673939
1,2,3-Trimethylbenzene	mg/l	0.0245	0.0228	98.1	67-133	7.43	20	L648366-01	WG673939
1,2,4-Trichlorobenzene	mg/l	0.0284	0.0260	114.	67-133	8.92	20	L648366-01	WG673939
1,2,4-Trimethylbenzene	mg/l	0.0275	0.0249	110.	62-141	10.1	20	L648366-01	WG673939
1,2-Dibromo-3-Chloropropane	mg/l	0.0273	0.0241	109.	55-148	12.6	22	L648366-01	WG673939
1,2-Dibromoethane	mg/l	0.0262	0.0237	105.	71-129	9.70	20	L648366-01	WG673939
1,2-Dichlorobenzene	mg/l	0.0267	0.0246	107.	75-125	8.09	20	L648366-01	WG673939
1,2-Dichloroethane	mg/l	0.0230	0.0216	92.1	59-135	6.18	20	L648366-01	WG673939
1,2-Dichloropropane	mg/l	0.0263	0.0246	105.	68-126	6.62	20	L648366-01	WG673939
1,3,5-Trimethylbenzene	mg/l	0.0277	0.0251	111.	67-136	9.88	20	L648366-01	WG673939
1,3-Dichlorobenzene	mg/l	0.0273	0.0244	109.	69-131	11.1	20	L648366-01	WG673939
1,3-Dichloropropane	mg/l	0.0257	0.0238	103.	70-122	7.91	20	L648366-01	WG673939
1,4-Dichlorobenzene	mg/l	0.0260	0.0242	104.	70-123	7.37	20	L648366-01	WG673939
2,2-Dichloropropane	mg/l	0.0244	0.0233	97.6	51-141	4.79	20	L648366-01	WG673939
2-Butanone (MEK)	mg/l	0.101	0.0926	80.7	51-149	8.56	22	L648366-01	WG673939
2-Chloroethyl vinyl ether	mg/l	0.00325	0.00588	2.60*	10-161	57.6*	40	L648366-01	WG673939
2-Chlorotoluene	mg/l	0.0258	0.0234	103.	65-133	9.79	20	L648366-01	WG673939
4-Chlorotoluene	mg/l	0.0263	0.0239	105.	67-129	9.53	20	L648366-01	WG673939
4-Methyl-2-pentanone (MIBK)	mg/l	0.138	0.129	111.	53-154	6.86	21	L648366-01	WG673939
Acetone	mg/l	0.0654	0.0616	48.6	34-146	6.00	22	L648366-01	WG673939
Acrolein	mg/l	0.183	0.170	146.	10-189	6.99	30	L648366-01	WG673939
Acrylonitrile	mg/l	0.129	0.119	103.	49-162	8.53	20	L648366-01	WG673939
Benzene	mg/l	0.0244	0.0235	97.5	51-134	3.70	20	L648366-01	WG673939
Bromobenzene	mg/l	0.0257	0.0235	103.	64-130	9.13	20	L648366-01	WG673939
Bromodichloromethane	mg/l	0.0237	0.0224	94.6	67-132	5.55	20	L648366-01	WG673939

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Bromoform	mg/l	0.0275	0.0252	110.	59-137	8.76	20	L648366-01	WG673939
Bromomethane	mg/l	0.0292	0.0283	117.	23-177	3.16	21	L648366-01	WG673939
Carbon tetrachloride	mg/l	0.0236	0.0222	94.3	49-140	6.11	20	L648366-01	WG673939
Chlorobenzene	mg/l	0.0264	0.0242	106.	69-126	9.05	20	L648366-01	WG673939
Chlorodibromomethane	mg/l	0.0255	0.0233	102.	68-130	9.08	20	L648366-01	WG673939
Chloroethane	mg/l	0.0268	0.0259	107.	32-177	3.60	21	L648366-01	WG673939
Chloroform	mg/l	0.0245	0.0229	97.9	64-130	6.50	20	L648366-01	WG673939
Chloromethane	mg/l	0.0238	0.0223	95.0	27-155	6.43	20	L648366-01	WG673939
cis-1,2-Dichloroethene	mg/l	0.0248	0.0234	99.0	54-137	5.74	20	L648366-01	WG673939
cis-1,3-Dichloropropene	mg/l	0.0253	0.0240	101.	63-127	4.97	20	L648366-01	WG673939
Di-isopropyl ether	mg/l	0.0264	0.0249	106.	58-133	5.68	20	L648366-01	WG673939
Dibromomethane	mg/l	0.0261	0.0241	104.	68-131	8.05	20	L648366-01	WG673939
Dichlorodifluoromethane	mg/l	0.0237	0.0226	95.0	16-188	4.97	22	L648366-01	WG673939
Ethylbenzene	mg/l	0.0269	0.0248	107.	64-135	8.12	20	L648366-01	WG673939
Hexachloro-1,3-butadiene	mg/l	0.0250	0.0234	100.	64-140	6.46	20	L648366-01	WG673939
Isopropylbenzene	mg/l	0.0295	0.0268	118.	62-134	9.76	20	L648366-01	WG673939
Methyl tert-butyl ether	mg/l	0.0272	0.0261	109.	55-136	4.18	20	L648366-01	WG673939
Methylene Chloride	mg/l	0.0228	0.0215	91.1	52-130	5.88	20	L648366-01	WG673939
n-Butylbenzene	mg/l	0.0267	0.0249	107.	62-142	7.06	20	L648366-01	WG673939
n-Propylbenzene	mg/l	0.0267	0.0242	107.	62-137	9.83	20	L648366-01	WG673939
Naphthalene	mg/l	0.0267	0.0241	107.	65-140	10.1	20	L648366-01	WG673939
p-Isopropyltoluene	mg/l	0.0288	0.0261	115.	64-142	9.99	20	L648366-01	WG673939
sec-Butylbenzene	mg/l	0.0278	0.0251	111.	67-139	10.5	20	L648366-01	WG673939
Styrene	mg/l	0.0291	0.0259	116.	58-152	11.5	20	L648366-01	WG673939
tert-Butylbenzene	mg/l	0.0278	0.0249	111.	66-139	11.1	20	L648366-01	WG673939
Tetrachloroethene	mg/l	0.0254	0.0232	102.	56-139	9.04	20	L648366-01	WG673939
Toluene	mg/l	0.0250	0.0243	100.	61-126	2.95	20	L648366-01	WG673939
trans-1,2-Dichloroethene	mg/l	0.0239	0.0226	95.8	45-137	5.66	20	L648366-01	WG673939
trans-1,3-Dichloropropene	mg/l	0.0263	0.0247	105.	59-130	6.17	20	L648366-01	WG673939
Trichloroethene	mg/l	0.0250	0.0233	100.	40-155	7.04	20	L648366-01	WG673939
Trichlorofluoromethane	mg/l	0.0262	0.0251	105.	35-177	4.10	23	L648366-01	WG673939
Vinyl chloride	mg/l	0.0251	0.0240	100.	32-159	4.69	21	L648366-01	WG673939
Xylenes, Total	mg/l	0.0819	0.0753	109.	64-133	8.28	20	L648366-01	WG673939
4-Bromofluorobenzene				99.57	82-120				WG673939
Dibromofluoromethane				100.2	82-126				WG673939
Toluene-d8				103.7	92-112				WG673939
Gasoline Range Organics-NWTPH	mg/l	3.69	4.22	66.5	47.5-136	13.4	20	L648177-06	WG673802
a,a,a-Trifluorotoluene(FID)				101.9	62-128				WG673802
Gasoline Range Organics-NWTPH	mg/l	4.57	4.62	82.2	47.5-136	1.14	20	L648366-06	WG673951
a,a,a-Trifluorotoluene(FID)				105.9	62-128				WG673951
Sulfate	mg/l	121.	121.	90.0	80-120	0	20	L648194-03	WG673980
Mercury,Dissolved	mg/l	0.00315	0.00317	103.	80-120	0.857	20	L647973-01	WG673774
Arsenic,Dissolved	mg/l	1.01	1.02	101.	75-125	0.985	20	L648421-04	WG674235
Barium,Dissolved	mg/l	1.74	1.78	104.	75-125	2.27	20	L648421-04	WG674235
Cadmium,Dissolved	mg/l	1.04	1.06	103.	75-125	1.90	20	L648421-04	WG674235
Chromium,Dissolved	mg/l	1.11	1.13	111.	75-125	1.79	20	L648421-04	WG674235
Lead,Dissolved	mg/l	1.05	1.06	105.	75-125	0.948	20	L648421-04	WG674235
Selenium,Dissolved	mg/l	1.07	1.11	102.	75-125	3.67	20	L648421-04	WG674235
Silver,Dissolved	mg/l	0.104	0.0570	10.2*	75-125	58.4*	20	L648421-04	WG674235

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Quality Assurance Report
Level II

L648366

August 08, 2013

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Ammonia Nitrogen	mg/l	5.60	5.51	106.	90-110	1.62	20	L648355-01	WG674594
Nitrate-Nitrite	mg/l	6.90	6.75	80.0*	90-110	2.20	20	L648366-01	WG674858
1,1,1,2-Tetrachloroethane	mg/l	0.0235	0.0228	93.9	71-130	2.89	20	L650203-02	WG675811
1,1,1-Trichloroethane	mg/l	0.0238	0.0232	95.0	58-137	2.49	20	L650203-02	WG675811
1,1,2,2-Tetrachloroethane	mg/l	0.0220	0.0219	88.1	64-149	0.740	20	L650203-02	WG675811
1,1,2-Trichloroethane	mg/l	0.0231	0.0228	92.5	73-128	1.47	20	L650203-02	WG675811
1,1,2-Trichlorotrifluoroethane	mg/l	0.0274	0.0265	110.	36-159	3.46	21	L650203-02	WG675811
1,1-Dichloroethane	mg/l	0.0242	0.0235	96.7	58-133	2.88	20	L650203-02	WG675811
1,1-Dichloroethene	mg/l	0.0252	0.0247	101.	32-152	2.04	20	L650203-02	WG675811
1,1-Dichloropropene	mg/l	0.0241	0.0233	96.4	50-140	3.39	20	L650203-02	WG675811
1,2,3-Trichlorobenzene	mg/l	0.0220	0.0212	87.8	68-135	3.50	20	L650203-02	WG675811
1,2,3-Trichloropropane	mg/l	0.0221	0.0218	88.2	74-137	1.04	20	L650203-02	WG675811
1,2,3-Trimethylbenzene	mg/l	0.0215	0.0207	86.0	67-133	3.93	20	L650203-02	WG675811
1,2,4-Trichlorobenzene	mg/l	0.0231	0.0224	92.5	67-133	3.23	20	L650203-02	WG675811
1,2,4-Trimethylbenzene	mg/l	0.0223	0.0219	89.1	62-141	1.96	20	L650203-02	WG675811
1,2-Dibromo-3-Chloropropane	mg/l	0.0236	0.0230	94.2	55-148	2.23	22	L650203-02	WG675811
1,2-Dibromoethane	mg/l	0.0238	0.0234	95.3	71-129	1.68	20	L650203-02	WG675811
1,2-Dichlorobenzene	mg/l	0.0230	0.0223	92.0	75-125	3.28	20	L650203-02	WG675811
1,2-Dichloroethane	mg/l	0.0231	0.0228	92.3	59-135	1.18	20	L650203-02	WG675811
1,2-Dichloropropane	mg/l	0.0234	0.0228	93.6	68-126	2.35	20	L650203-02	WG675811
1,3,5-Trimethylbenzene	mg/l	0.0227	0.0223	90.6	67-136	1.41	20	L650203-02	WG675811
1,3-Dichlorobenzene	mg/l	0.0227	0.0224	90.6	69-131	1.11	20	L650203-02	WG675811
1,3-Dichloropropane	mg/l	0.0228	0.0226	91.0	70-122	0.890	20	L650203-02	WG675811
1,4-Dichlorobenzene	mg/l	0.0232	0.0221	92.8	70-123	4.85	20	L650203-02	WG675811
2,2-Dichloropropane	mg/l	0.0238	0.0233	95.0	51-141	1.79	20	L650203-02	WG675811
2-Butanone (MEK)	mg/l	0.0826	0.0837	65.5	51-149	1.31	22	L650203-02	WG675811
2-Chloroethyl vinyl ether	mg/l	0.000839	0.00133	0.671*	10-161	45.1*	40	L650203-02	WG675811
2-Chlorotoluene	mg/l	0.0224	0.0220	89.6	65-133	1.86	20	L650203-02	WG675811
4-Chlorotoluene	mg/l	0.0229	0.0223	91.5	67-129	2.56	20	L650203-02	WG675811
4-Methyl-2-pentanone (MIBK)	mg/l	0.115	0.117	92.1	53-154	1.17	21	L650203-02	WG675811
Acetone	mg/l	0.0653	0.0659	48.0	34-146	0.800	22	L650203-02	WG675811
Acrolein	mg/l	0.341	0.337	273.*	10-189	1.26	30	L650203-02	WG675811
Acrylonitrile	mg/l	0.115	0.114	92.0	49-162	0.510	20	L650203-02	WG675811
Benzene	mg/l	0.0237	0.0232	95.0	51-134	2.51	20	L650203-02	WG675811
Bromobenzene	mg/l	0.0228	0.0222	91.4	64-130	3.00	20	L650203-02	WG675811
Bromodichloromethane	mg/l	0.0312	0.0309	89.4	67-132	1.05	20	L650203-02	WG675811
Bromoform	mg/l	0.0438	0.0436	99.1	59-137	0.470	20	L650203-02	WG675811
Bromomethane	mg/l	0.0247	0.0240	98.8	23-177	2.78	21	L650203-02	WG675811
Carbon tetrachloride	mg/l	0.0239	0.0235	95.5	49-140	1.60	20	L650203-02	WG675811
Chlorobenzene	mg/l	0.0233	0.0228	93.1	69-126	1.93	20	L650203-02	WG675811
Chlorodibromomethane	mg/l	0.0365	0.0363	94.1	68-130	0.460	20	L650203-02	WG675811
Chloroethane	mg/l	0.0246	0.0240	98.5	32-177	2.41	21	L650203-02	WG675811
Chloroform	mg/l	0.0341	0.0334	94.8	64-130	2.02	20	L650203-02	WG675811
Chloromethane	mg/l	0.0231	0.0227	92.4	27-155	1.83	20	L650203-02	WG675811
cis-1,2-Dichloroethene	mg/l	0.0239	0.0231	95.5	54-137	3.12	20	L650203-02	WG675811
cis-1,3-Dichloropropene	mg/l	0.0231	0.0228	92.4	63-127	1.14	20	L650203-02	WG675811
Di-isopropyl ether	mg/l	0.0241	0.0235	96.4	58-133	2.45	20	L650203-02	WG675811
Dibromomethane	mg/l	0.0241	0.0234	96.3	68-131	2.84	20	L650203-02	WG675811
Dichlorodifluoromethane	mg/l	0.0235	0.0232	94.0	16-188	1.23	22	L650203-02	WG675811
Ethylbenzene	mg/l	0.0233	0.0231	93.1	64-135	0.850	20	L650203-02	WG675811
Hexachloro-1,3-butadiene	mg/l	0.0186	0.0181	74.5	64-140	2.79	20	L650203-02	WG675811
Isopropylbenzene	mg/l	0.0250	0.0246	100.	62-134	1.58	20	L650203-02	WG675811
Methyl tert-butyl ether	mg/l	0.0246	0.0245	98.4	55-136	0.570	20	L650203-02	WG675811
Methylene Chloride	mg/l	0.0236	0.0228	94.5	52-130	3.37	20	L650203-02	WG675811
n-Butylbenzene	mg/l	0.0226	0.0216	90.4	62-142	4.31	20	L650203-02	WG675811

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

HDR - Boise, ID
Nancy Nething
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Quality Assurance Report
Level II

L648366

August 08, 2013

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Propylbenzene	mg/l	0.0230	0.0224	91.9	62-137	2.47	20	L650203-02	WG675811
Naphthalene	mg/l	0.0226	0.0221	90.4	65-140	2.20	20	L650203-02	WG675811
p-Isopropyltoluene	mg/l	0.0225	0.0223	90.1	64-142	1.03	20	L650203-02	WG675811
sec-Butylbenzene	mg/l	0.0223	0.0219	89.1	67-139	1.89	20	L650203-02	WG675811
Styrene	mg/l	0.0237	0.0233	94.7	58-152	1.70	20	L650203-02	WG675811
tert-Butylbenzene	mg/l	0.0227	0.0226	90.9	66-139	0.750	20	L650203-02	WG675811
Tetrachloroethene	mg/l	0.0235	0.0230	94.0	56-139	2.02	20	L650203-02	WG675811
Toluene	mg/l	0.0232	0.0228	92.8	61-126	1.72	20	L650203-02	WG675811
trans-1,2-Dichloroethene	mg/l	0.0242	0.0235	96.6	45-137	2.66	20	L650203-02	WG675811
trans-1,3-Dichloropropene	mg/l	0.0235	0.0229	93.9	59-130	2.43	20	L650203-02	WG675811
Trichloroethene	mg/l	0.0232	0.0229	92.9	40-155	1.60	20	L650203-02	WG675811
Trichlorofluoromethane	mg/l	0.0239	0.0234	95.5	35-177	1.95	23	L650203-02	WG675811
Vinyl chloride	mg/l	0.0234	0.0228	93.8	32-159	2.77	21	L650203-02	WG675811
Xylenes, Total	mg/l	0.0698	0.0685	93.1	64-133	1.98	20	L650203-02	WG675811
4-Bromofluorobenzene				101.0	82-120				WG675811
Dibromofluoromethane				102.0	82-126				WG675811
Toluene-d8				105.0	92-112				WG675811

Serial Dilution

Batch number /Run number / Sample number cross reference

WG673939: R2758147: L648366-01 02 03 04 05 06 07 08
WG673802: R2758361: L648366-01 02 03 04 05
WG673951: R2759202: L648366-06 07 08
WG673980: R2759465: L648366-01 02 03 04 05 06 07 08
WG673751: R2760044 R2762203: L648366-01 02 03 04 05
WG673774: R2760700: L648366-01 02 03 04 05 06 07 08
WG674015: R2760762: L648366-01 02 03 04 05 06 07 08
WG674235: R2760902: L648366-01 02 03 04 05 06 07 08
WG674560: R2762365: L648366-06 07 08
WG674594: R2763121: L648366-01 02 03 04 05 06 07 08
WG674858: R2765740: L648366-01 02 03 04 05 06 07 08
WG674272: R2769782: L648366-01 02
WG674795: R2769783: L648366-03 04 05 06 07 08
WG675811: R2772220: L648366-09

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

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Boise, ID 83706

Quality Assurance Report
Level II

L648366

August 08, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address

HDR Engineering

ATTN: Nancy Nething
412 E. Parkcenter Blvd.
Boise, Idaho 83706

Alternate Billing

"HDRBID-SUNNYSIDE"

Report to: Nancy Nething

E-mail to: nancy.nething@hdrinc.com

Project Description: SUNNYSIDE, WA

PHONE: 208-387-7035
FAX:

Client Project No.

Lab Project #

Collected by: Dave Reynolds

Collected by(signature): Dave Reynolds

Packed on Ice N ___ Y ✓

Site/Facility ID# Simplot Sunnyside WA

P.O.#

Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%

Date Results Needed

Email?___No ___Yes
FAX?___No___Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	V8260 - (3) 40ml amb HCl	PAHSIMLVI - (3) 40ml amb No Pres	SV8151 - (2) 1L amb No Pres	NWTPHGX - (2) 40ml amb HCl	NWTPHDXLVI - (2) 40ml amb HCl	RCRA8 DISSOLVED - 500ml HDPE No Pres Field Filtered	Nitrate+Nitrite, Ammonia - 250ml HDPE H2SO4 <2	Sulfate - 125ml HDPE No Pres	Remarks/contaminant	Sample # (lab only)
MW-6		GW		7/23/13	1600	15	X	X	X	X	X	X	X	X		L648766-01
MW-7				7/23/13	1700	15	X	X	X	X	X	X	X	X		02
MW-1				7/24/13	0800	15	X	X	X	X	X	X	X	X		03
MW-2					0900	15	X	X	X	X	X	X	X	X		04
MW-3					1000	15	X	X	X	X	X	X	X	X		05
MW-4					1100	15	X	X	X	X	X	X	X	X		06
MW-5					1200	15	X	X	X	X	X	X	X	X		07
MW-8					1300	15	X	X	X	X	X	X	X	X		08
Trip Blank					—	2	X									09

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by: F109

ENVIRONMENTAL SCIENCE CORP
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Phone (800) 767-5859
FAX (615)758-5859

COCODE
HDRBID
Template/Prelogin

Shipped Via: Boise Service Center

*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks:

541347332611

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__ Other _	Condition	(lab use only)
Dave Reynolds (HDR)	7/24/13	1350		541347314452	*pH Adjusted @ 1109	MS
Relinquisher by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.0	Bottles Received: 122	
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/25/13	Time: 0730	pH Checked: <2 NCF:

APPENDIX D

Groundwater Sampling Validation Reports

April and July 2013

SIMPLOT GROWER SOLUTIONS
SUNNYSIDE, WASHINGTON SITE

DATA VALIDATION REPORT FOR APRIL 2013 GROUNDWATER SAMPLING EVENT

INTRODUCTION

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on April 4, 2013. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the July 2012 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan*, subsequent letter modifications, and recommendations from the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report*.

The data validation for groundwater samples considered the following elements:

- Sampling Procedures
- Holding Times
- Detection Limit
- Surrogate Spike Recoveries
- Laboratory Method Blank
- Laboratory Control Sample
- Trip Blank
- Laboratory Spikes and Spike Duplicates
- Duplicate Field Sample

SAMPLING PROCEDURES

Groundwater samples were collected from monitoring wells at the Simplot Grower Solutions site in Sunnyside, Washington on April 4, 2013. Each monitoring well was purged and sampled using a disposable bailer. Purged water was monitored for temperature, pH, and electrical conductivity. Purging continued until there was less than a 10 percent variance in parameter measurements after three consecutive readings or a minimum of three static well casing volumes had been removed.

Samples were labeled, sealed, placed in a cooler, and shipped to ESC Lab Sciences of Mt. Juliet, Tennessee.

ESC Lab Sciences analyzed samples for the following constituents:

- Sulfate – Method 9056
- Ammonia Nitrogen – Method 350.1
- Nitrate-Nitrite – Method 353.2
- RCRA Metals, Dissolved (except mercury) – Method 6010B
- Mercury, Dissolved – Method 7470A
- Gasoline Range Organics – Method NWTPHGX
- Diesel Range Organics – Method NWTPHDX
- Residual Range Organics – Method NWTPHDX
- Volatile Organics – Method 8260B
- Polynuclear Aromatic Hydrocarbons – Method 8270C-SIM
- Herbicides – Method 8151

HOLDING TIMES

A total of nine water samples were submitted to ESC Lab Sciences, including a trip blank. Holding times were met for all analytes.

DETECTION LIMIT

Detection limits are specified by the analytical methods. Dilution factors ranged as follows:

- Sulfate (Method 9056) – 1 to 10
- Ammonia Nitrogen (Method 350.1) – 1
- Nitrate-Nitrite (Method 353.2) – 1 to 10
- Mercury (Method 7470A) – 1
- Metals (Method 6010B) – 1
- Gasoline Range Organics (Method NWTPHGX) – 1
- Diesel and Residual Range Organics (Method NWTPHDX) – 1
- Volatile Organics (Method 8260B) – 1
- Polynuclear Aromatic Hydrocarbons (Method 8270C-SIM) – 1
- Herbicides (Method 8151) – 1

SURROGATE SPIKE RECOVERIES

Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. No surrogate recoveries exceeded control limits.

LABORATORY METHOD BLANK

No compounds were detected at or above the method reporting limits in the laboratory method blanks.

LABORATORY CONTROL SAMPLE

Percent recoveries of the laboratory control samples were reported within acceptance limits, with the following exception:

- The percent recovery for 1,3-dichlorobenzene was 76.7 for batch WG655248. Acceptance limits for this analyte were 77 to 127 percent.

In addition, relative percent differences for the laboratory control sample duplicates were within limits with the following exceptions:

- The relative percent difference for 2,4,5-T was 34.2 percent. The limit for this analyte was 20 percent.
- The relative percent difference for 2,4,5-TP (Silvex) was 30.1 percent. The limit for this analyte was 20 percent.

TRIP BLANK

A trip blank was included with the sample bottle shipment and was analyzed for volatile organics (Method 8260B). The trip blank was below detection limits for all constituents.

LABORATORY SPIKES AND SPIKE DUPLICATES

Matrix spikes and matrix spike duplicates were performed on random laboratory samples. The following recoveries were outside limits:

- The matrix spike percent recovery for dissolved cadmium (batch WG655827) was 68.7. Limits for this analyte were 75 to 125 percent. The relative percent difference for the matrix spike duplicate of this analyte was 21.0 percent. The limit was 20 percent.
- The matrix spike percent recovery for dissolved lead (batch WG655827) was 6.68 percent. Limits for this analyte were 75 to 125 percent. The matrix spike duplicate percent recovery was 9.48 percent. Limits for this analyte were 75 to 125 percent. The relative percent difference for the matrix spike duplicate was 24.1 percent. The limit was 20 percent.
- The matrix spike percent recovery for dissolved silver (batch WG655827) was 70.0 percent. Limits for this analyte were 75 to 125 percent. The relative percent difference for the matrix spike duplicate for this analyte was 20.2 percent. The limit was 20 percent.
- The matrix spike percent recovery for dissolved chromium (batch WG655827) was 55.5 percent. The matrix spike duplicate percent recovery was 48.0 percent. Limits for this analyte were 75 to 125 percent.
- The matrix spike duplicate relative percent difference for 2-chloroethyl vinyl ether was 119 percent for batch WG654975 and 122 percent for batch WG655248. The limit for this analyte was 40 percent. In addition, the matrix spike duplicate's percent recovery for this analyte was 8.88 percent. The limits were 10 to 161 percent.

- The matrix spike duplicate percent recovery for nitrate-nitrite (batch WG655984) was 89.8 percent. The limits for this analyte were 90 to 110 percent.

DUPLICATE FIELD SAMPLE

A duplicate sample was secured from monitoring well MW-4 (Duplicate: MW-8). The results of the duplicate are presented in Table 1.

Table 1. Relative Percent Difference (RPD) of Detected Compounds for Duplicate Sample from MW-4 (April 4, 2013)

Detected Compound	MW-4 (mg/L)	DUPLICATE (mg/L)	RPD
1,2-Dichloropropane	0.0054	0.0054	0.0%
Ammonia Nitrogen	<0.10	0.14	N/A
Arsenic (Dissolved)	0.024	0.021	13.3%
Barium (Dissolved)	0.038	0.037	2.7%
Nitrate-Nitrogen	6.7	5.4	21.5%
Sulfate	140	140	0.0%

RPD = [MW-4 – MW-8]/[mean(MW-4,MW-8)] X 100

SIMPLOT GROWER SOLUTIONS
SUNNYSIDE, WASHINGTON SITE

DATA VALIDATION REPORT FOR JULY 2013 GROUNDWATER SAMPLING EVENT

INTRODUCTION

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on July 24, 2013. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the July 2012 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan*, subsequent letter modifications, and recommendations from the *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report*.

The data validation for groundwater samples considered the following elements:

- Sampling Procedures
- Holding Times
- Detection Limit
- Surrogate Spike Recoveries
- Laboratory Method Blank
- Laboratory Control Sample
- Trip Blank
- Laboratory Spikes and Spike Duplicates
- Duplicate Field Sample

SAMPLING PROCEDURES

Groundwater samples were collected from monitoring wells at the Simplot Grower Solutions site in Sunnyside, Washington on July 24, 2013. Each monitoring well was purged and sampled using a disposable bailer. Purged water was monitored for temperature, pH, and electrical conductivity. Purging continued until there was less than a 10 percent variance in parameter measurements after three consecutive readings or a minimum of three static well casing volumes had been removed.

Samples were labeled, sealed, placed in a cooler, and shipped to ESC Lab Sciences of Mt. Juliet, Tennessee.

ESC Lab Sciences analyzed samples for the following constituents:

- Sulfate – Method 9056
- Ammonia Nitrogen – Method 350.1
- Nitrate-Nitrite – Method 353.2
- RCRA Metals, Dissolved (except mercury) – Method 6010B
- Mercury, Dissolved – Method 7470A
- Gasoline Range Organics – Method NWTPHGX
- Diesel Range Organics – Method NWTPHDX
- Residual Range Organics – Method NWTPHDX
- Volatile Organics – Method 8260B
- Polynuclear Aromatic Hydrocarbons – Method 8270C-SIM
- Herbicides – Method 8151

HOLDING TIMES

A total of nine water samples were submitted to ESC Lab Sciences, including a trip blank. Holding times were met for analytes with the following exception:

- Diesel range organics and residual range organics (Method NWTPHDX) were analyzed on August 2, 2013, nine days after sample collection. The holding time for this method is seven days.

DETECTION LIMIT

Detection limits are specified by the analytical methods. Dilution factors ranged as follows:

- Sulfate (Method 9056) – 1 to 10
- Ammonia Nitrogen (Method 350.1) – 1
- Nitrate-Nitrite (Method 353.2) – 1 to 10
- Mercury (Method 7470A) – 1
- Metals (Method 6010B) – 1
- Gasoline Range Organics (Method NWTPHGX) – 1
- Diesel and Residual Range Organics (Method NWTPHDX) – 1
- Volatile Organics (Method 8260B) – 1
- Polynuclear Aromatic Hydrocarbons (Method 8270C-SIM) – 1
- Herbicides (Method 8151) – 1

SURROGATE SPIKE RECOVERIES

Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. No surrogate recoveries exceeded control limits.

LABORATORY METHOD BLANK

No compounds were detected at or above the method reporting limits in the laboratory method blanks.

LABORATORY CONTROL SAMPLE

Percent recoveries of the laboratory control samples were reported within acceptance limits.

In addition, relative percent differences for the laboratory control sample duplicates were within limits with the following exception:

- The relative percent difference for 2,2-dichloropropane was 21.1 percent. The limit for this analyte was 20 percent.

TRIP BLANK

A trip blank was included with the sample bottle shipment and was analyzed for volatile organics (Method 8260B). The trip blank was below detection limits for all constituents.

LABORATORY SPIKES AND SPIKE DUPLICATES

Matrix spikes and matrix spike duplicates were performed on random laboratory samples. The following recoveries were outside limits:

- The matrix spike percent recoveries for 2-chloroethyl vinyl ether were 4.70 for batch WG673939 and 1.06 percent for batch WG675811. Limits for this analyte were 10 to 161 percent. The matrix spike duplicate percent recoveries were 2.60 for batch WG673939 and 0.671 for batch WG675811. The relative percent differences for the matrix spike duplicates of this analyte were 57.6 percent for batch WG673939 and 45.1 percent for batch WG675811. The limit was 40 percent.
- The matrix spike percent recovery for acrolein (batch WG675811) was 269 percent. The matrix spike duplicate percent recovery was 273 percent. Limits for this analyte were 10 to 189 percent.
- The matrix spike percent recovery for dissolved silver (batch WG674235) was 5.51 percent. The matrix spike duplicate percent recovery was 10.2 percent. Limits for this analyte were 75 to 125 percent. The relative percent difference for the matrix spike duplicate for this analyte was 58.4 percent. The limit was 20 percent.
- The matrix spike percent recovery for nitrate-nitrite (batch WG674858) was 77.0 percent. The matrix spike duplicate percent recovery was 80.0 percent. The limits for this analyte were 90 to 110 percent.

DUPLICATE FIELD SAMPLE

A duplicate sample was secured from monitoring well MW-5 (Duplicate: MW-8). The results of the duplicate are presented in Table 1.

Table 1. Relative Percent Difference (RPD) of Detected Compounds for Duplicate Sample from MW-5 (July 24, 2013)

Detected Compound	MW-5 (mg/L)	DUPLICATE (mg/L)	RPD
1,2-Dichloroethane	0.0040	0.0047	16.1%
Ammonia Nitrogen	0.10	0.15	40.0%
Arsenic (Dissolved)	0.027	0.025	7.7%
Barium (Dissolved)	0.040	0.039	2.5%
Cadmium (Dissolved)	0.0067	0.0071	5.8%
Lead (Dissolved)	0.0053	<0.0050	N/A
Nitrate-Nitrogen	51	52	1.9%
Selenium (Dissolved)	0.028	0.036	25.0%
Sulfate	340	330	3.0%

RPD = [MW-5 – MW-8]/[mean(MW-5,MW-8)] X 100

APPENDIX E

Regulatory Groundwater Values for Selected Constituents

Simplot Grower Solutions, Sunnyside, Washington

Summary of Compounds Detected in Groundwater

Compound	Federal MCL (mg/L)	State MCL (mg/L)	MTCA Groundwater, Method A, Table Value (mg/L)	MTCA Groundwater, Method B, Standard Formula Value, Carcinogen (mg/L)	MTCA Groundwater, Method B, Standard Formula Value, Non-carcinogen (mg/L)
1,2,3-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A
1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A
1,2-Dichloroethane	0.005	0.005	0.005	0.0004808	0.16
1,2-Dichloropropane	0.005	0.005	N/A	N/A	N/A
1,3,5-Trimethylbenzene	N/A	N/A	N/A	N/A	0.08
1-Methylnaphthalene	N/A	N/A	N/A	N/A	N/A
2-Chlorotoluene	N/A	N/A	N/A	N/A	0.16
2-Methylnaphthalene	N/A	N/A	N/A	N/A	N/A
2,4-D	0.07	0.07	N/A	N/A	0.16
Acrolein	N/A	N/A	N/A	N/A	0.004
Ammonia-Nitrogen	N/A	N/A	N/A	N/A	N/A
Arsenic	0.01	0.01	0.005	0.00005833	0.0048
Barium	2	2	N/A	N/A	3.2
Benzene	0.005	0.005	0.005	0.0007955	0.032
Cadmium	0.005	0.005	0.005	N/A	0.016
Chlorobenzene	0.1	0.1	N/A	N/A	0.16
Dicamba	N/A	N/A	N/A	N/A	0.48
Diesel Range Organics	N/A	N/A	0.5	N/A	N/A
Dinoseb	0.007	0.007	N/A	N/A	N/A
Ethylbenzene	0.7	0.7	N/A	N/A	0.8
Fluorene	N/A	N/A	N/A	N/A	0.64
Gasoline Range Organics	N/A	N/A	0.8	N/A	N/A
Isopropylbenzene	N/A	N/A	N/A	N/A	0.8
Lead	0.015	0.015	0.015	N/A	N/A
Naphthalene	N/A	N/A	0.16	N/A	0.16
Nitrate-Nitrogen	10	10	N/A	N/A	N/A
Phenanthrene	N/A	N/A	N/A	N/A	N/A
n-Propylbenzene	N/A	N/A	N/A	N/A	0.8
Pyrene	N/A	N/A	N/A	N/A	0.48
Residual Range Organics	N/A	N/A	N/A	N/A	N/A
Selenium	0.05	0.05	N/A	N/A	0.08
Sulfate	N/A	N/A	N/A	N/A	N/A
Trichloroethene	0.005	0.005	0.005	N/A	N/A
Xylenes, Total	10	10	1	N/A	1.6

MCL = Drinking Water Maximum Contaminant Level
N/A = Not Applicable