

2011 Monitoring Well Sampling Report

Simplot Grower Solutions

South 300 1st Street
Sunnyside, Washington 98944

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1.0 Introduction

Groundwater monitoring wells were constructed at the Simplot Grower Solutions site at 300 South 1st Street in Sunnyside, Washington, in March 2011. The purpose of this *2011 Monitoring Well Sampling Report* is to describe the four quarters of sampling conducted at these wells in 2011.

1.1 Background

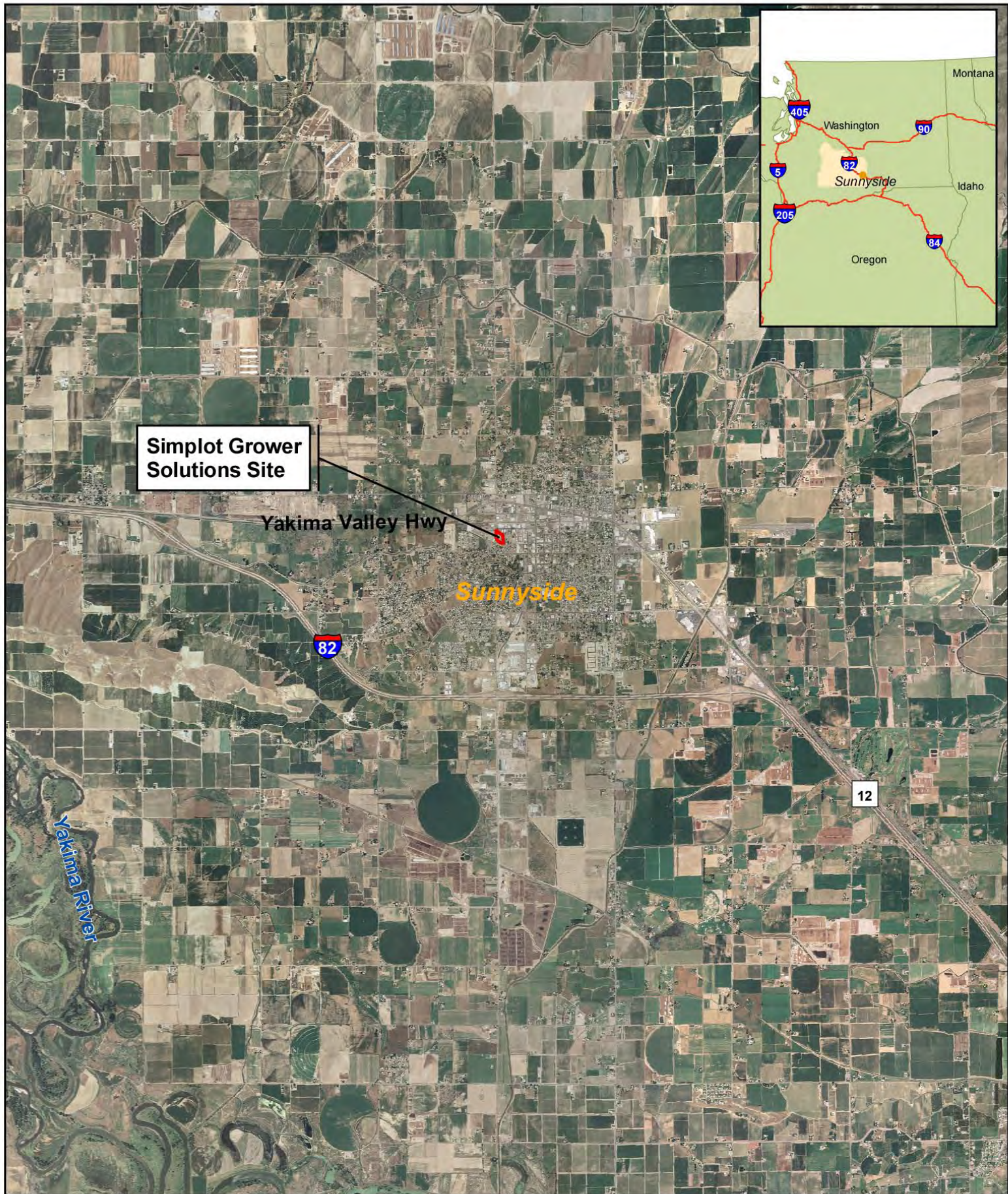
On October 1, 2008, Simplot received an “Early Notice Letter” from the Washington Department of Ecology (Ecology) regarding the potential release of hazardous substances from Simplot’s Grower Solutions facility at 300 South 1st Street, located in the City of Sunnyside (City), Washington. Ecology encouraged Simplot to enter into a voluntary cleanup arrangement to address potential site contamination. Ecology’s findings were based on information provided by Stantec Consulting Corporation, a consulting firm contracted with Chevron Environmental Management Company (CEMC) and Atlantic Richfield Company (ARCO, now known as BP). Stantec is conducting investigation and remediation activities at the Bee-Jay Scales site, located at 116 North 1st Street, which is one block north of the Simplot facility (**Figures 1 and 2**).

In response to the Early Notice Letter and a follow-up meeting with Ecology on March 19, 2009, Simplot entered into Ecology’s Voluntary Cleanup Program. Simplot developed and submitted a *Preliminary Investigation Work Plan* (Work Plan) to Ecology in May 2009 (HDR 2009a). Ecology approved the Work Plan on July 7, 2009. HDR Engineering (HDR) conducted preliminary site investigation activities on September 23 and 24, 2009. Field activities and sample results are summarized in the December 2009 document, *Preliminary Site Investigation Report* (HDR 2009b). HDR recommended the construction of on-site groundwater monitoring wells, the collection of four quarterly groundwater samples to further assess groundwater quality, and the establishment of groundwater flow characteristics.

In its June 4, 2010 letter, Ecology responded to the December 2009 report by stating,

“Ecology agrees with HDR that monitoring wells need to be installed on the property and then sampled for a minimum of four quarters. Ecology requires a “minimum” of four wells at the site, with three being installed downgradient. Simplot may want to install more wells for a better idea of upgradient and downgradient conditions, but also to better locate possible “hotspot” contributing areas.”

Simplot developed and submitted a *Monitoring Well Construction and Sampling Work Plan* to Ecology in July 2010 (HDR 2010) and updated the plan in December 2010. The Work Plan was approved by Ecology in December 2010. Five groundwater wells were constructed in March 2011, as summarized in the *Monitoring Well Construction and Sampling Report* (HDR 2011). Four quarters of monitoring well sampling followed construction of the monitoring wells. This report summarizes the quarterly well sampling efforts as carried out per the approved December 2010 Work Plan.



Simplot Grower Solutions Site

Yakima Valley Hwy

Sunnyside

82

12

Yakima River

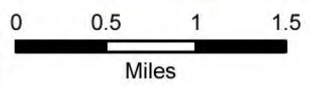


Figure 1: Vicinity Map
Simplot Grower Solutions, Sunnyside, WA



Imagery: 2006 1 Meter NAIP
 Source: University of Washington

Map Date: Tuesday, April 21, 2009
 Q:\Simplot\Sunnyside\map_docs\SiteMap.mxd

HDR ONE COMPANY
Many Solutions™



Bee-Jay Scales

Valley Processing

**Simplot Grower Solutions
300 S. 1st St.
Sunnyside, WA**

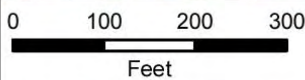


Figure 2: Site Map
Simplot Grower Solutions, Sunnyside, WA



1.2 Simplot Grower Solutions Facility

Simplot Grower Solutions (formerly known as Simplot Soilbuilders) 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) and offers customized fertilizer blending, application services, and consulting. The facility was mostly closed down in 2011 and included removal of buildings and tanks. All that remains at the site is the shop (building closest to South 1st Street in **Figure 3**) and several fertilizer tanks in new secondary containment structures.

Based on HDR's site visit and interviews with on-site personnel, the only building structures that have been onsite were an office/warehouse building and a shop, which is consistent with historic aerial photographs. Simplot used above-ground storage tanks for liquid fertilizer storage. These tanks have secondary containment to prevent a release into the environment. There was an unlined equipment rinse area located on the eastern end of the site, just south of the storage tanks. This area was gravel and rinsate entered into the gravel without containment. Simplot stopped this practice of rinsing equipment into the gravel in the 1990s. The shop building is used to repair and maintain equipment and has no floor drains. There are no known bulk fuel tanks on-site. Prior to March 2011, there were no known wells on-site. Potable water is provided by the City. The presence of a septic drainfield is unknown; though sewer services are provided by the City.

1.3 General Area Background

Land use in the general area (**Figure 2**) has included agricultural warehouses, lumber yards, coal storage, and railroad transportation starting in the early 1900s. An agricultural distribution facility was operated at the current Bee-Jay Scales site from the early 1960s to 1986. The site's former owners are currently under an Agreed Order with Ecology for remedial action. The Bee-Jay Scales site is currently owned and operated by Bee-Jay Scales, Inc. (tractor trailer repair) and Hickenbottom & Sons, Inc. (fruit warehousing).

Based on work by Stantec at the Bee-Jay Scales site, and confirmed by on-site monitoring as described in later sections of this report, groundwater flow direction is toward the southeast or east. The Bee-Jay Scales site is north of the Simplot facility, and given the southeast or east groundwater flow direction, is hydraulically crossgradient.

1.4 Area Setting

The Simplot site and the City are located in a relatively flat valley that rises in topography to Snipes Mountain to the southwest and hilly areas to the north. The elevation of the Simplot site is approximately 740 feet above 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.

According to the National Oceanic and Atmospheric Administration, from 1950 to 1999, the City received an average of approximately 6.7 inches of precipitation per year. The maximum average monthly precipitation occurs in December at 1.00 inch. The driest month is July with an average precipitation of 0.19 inches.

1.4.1 Soils

According to the Natural Resources Conservation Service, 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. These soils have 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.

Borings drilled for well installation in March 2011 revealed that site lithology includes predominantly dark brown silty sand (Unified Soil Classification System). Subsurface conditions on-site were comprised of silty sand for the entire boring depth, up to 20.5 feet. The soil was generally moist for the depth of the borehole. Depth to water measured on March 17, 2011, ranged from 6.73 to 8.46 feet below ground surface (bgs).

1.4.2 Groundwater Conditions

HDR conducted a well log search within a quarter-mile radius of the Simplot site to gauge groundwater conditions in the area, including depth to groundwater and soil lithology. Seven wells were found within the quarter-mile of the Simplot site – three east of the site, one northwest of the site, and three southeast of the site. Static groundwater level in these wells were reported at a range from 6 feet northwest of the site to 8 and 12 feet east and southeast of the site, respectively. This is consistent with shallow groundwater discovered at the Simplot site during investigative activities.

2.0 2011 Site Investigation Activities

This section presents data objectives, needs, field activities, and sampling results for the 2011 site investigation.

2.1 Data Objectives and Needs

The December 2010 Work Plan established objectives for the construction of five on-site groundwater monitoring wells and the initiation of sampling these wells on a quarterly basis to further assess the nature and extent of contaminants. Groundwater monitoring wells were installed to provide information on groundwater flow direction, seasonal variations of direction and gradient, and an indication of groundwater quality both up and downgradient of the facility. Groundwater samples were analyzed for chemicals of concern using appropriate U.S. Environmental Protection Agency (EPA) or state methodology by a qualified analytical laboratory.

2.2 Regulatory Setting - Model Toxics Control Act

The Model Toxics Control Act (MTCA) Cleanup Regulation, Washington Administrative Code (WAC) chapter 173-340, sets forth the requirements and procedures to develop soil and groundwater cleanup standards. Cleanup levels must be based on the reasonable maximum exposure expected to occur under both current and future site conditions. MTCA provides Methods A, B, and C for establishment of cleanup levels.

Method A provides tables of cleanup levels that are protective of human health for 25 to 30 of the most common hazardous substances found in soil and groundwater. Method A is designed for cleanups that are relatively straight-forward or involve only a few hazardous substances. Method B may be used at any site and is the most common method for setting cleanup levels

when sites are contaminated with substances not listed under Method A. Method C may be used when Method A or B cleanup levels are lower than technically possible or lower than area background concentrations.

The establishment of groundwater cleanup levels depends on the classification of groundwater under the regulation as either potable or non-potable. The groundwater beneath the site is expected to be classified as potable.

2.3 On-Site Investigation Activities

Site investigation activities included the installation of five groundwater monitoring wells, well development, well surveying, and four rounds of quarterly groundwater sampling. Wells were installed and soil samples collected on March 15 and 16, 2011. Groundwater sampling was conducted on March 17, June 30, September 15, and December 16, 2011.

2.3.1 Well Locations

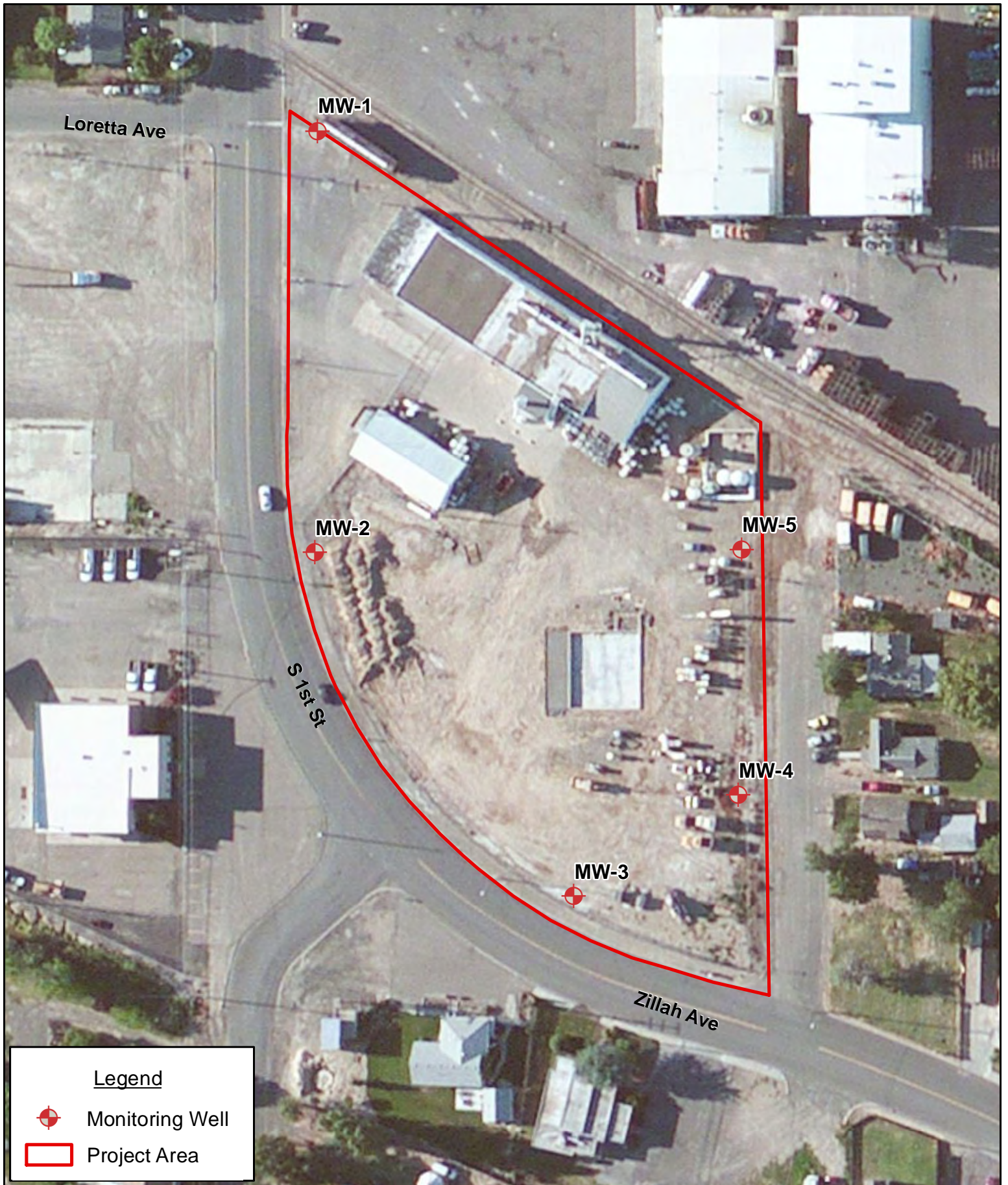
Based on the Bee-Jay Scales site investigation, groundwater flow was anticipated to be toward the east to southeast. One objective of installing the monitoring wells was to assess groundwater flow direction and seasonal changes over four quarters. Because of the uncertainty in groundwater flow direction, five monitoring wells were installed. Constructed well locations are presented in **Figure 3** and are generally the same as proposed in the Work Plan. The location of MW-1 moved slightly to the northeast compared to the location proposed in the Work Plan to avoid underground utilities.

2.3.2 Monitoring Well Drilling and Construction



The hollow stem augers had an 8-inch outside-diameter and were drilled down to the total depth of each well boring. The anticipated depth to water in the site vicinity was 5 to 14 feet bgs. Water levels measured from the completed wells on March 17, 2011 ranged from 6.73 to 8.46 feet bgs. The wells were drilled to a depth of approximately 15 to 20 feet bgs, or approximately 9 to 12 feet beyond the depth to static water. Well construction details are summarized in **Table 1**. Top of casing elevations were surveyed by Permit Surveying.

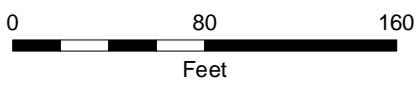
Table 1. Well Construction Details

Monitoring Well	Top PVC Elevation (ft above msl)	Depth of Well (ft bgs)	Screen Depth (ft bgs)
MW-1	745.76	18.0	7.5-17.5
MW-2	745.34	15.5	5.0-15.0
MW-3	745.58	20.5	5.0-20.0
MW-4	744.95	20.5	5.0-20.0
MW-5	745.15	20.5	5.0-20.0



Legend

-  Monitoring Well
-  Project Area



**Figure 3: Constructed Well Locations
 Simplot Grower Solutions, Sunnyside, WA**

2.4 Groundwater Sampling

Groundwater monitoring wells were sampled quarterly for one year. The first sampling occurred after well development, and the remaining three events occurred at 3-month intervals. Field sampling activities followed the *Standard Operating Procedure for Groundwater Sampling* that was included in Appendix A of the Work Plan (HDR 2010).

Quarterly samples were collected on the following dates:

- March 17, 2011
- June 30, 2011
- September 15, 2011
- December 16, 2011

Depth to groundwater was measured at each monitoring well and is presented in **Table 2**. Groundwater elevations from the sampling events are presented in **Figures 4** through **7**. Groundwater flow direction is southeast, which is consistent with the Bee-Jay Scales site investigation results. The average gradient measured across the site in 2011 was approximately 0.006 feet per foot.

Table 2. 2011 Groundwater Elevation Measurements

Well	Ref. Elev. ¹	3/17/2011		6/30/2011		9/15/2011		12/16/2011	
		Depth (ft)	Elev. (ft)	Depth (ft)	Elev. (ft)	Depth (ft)	Elev. (ft)	Depth (ft)	Elev. (ft)
MW-1	745.76	8.93	736.83	9.17	736.59	9.01	736.75	9.21	736.55
MW-2	745.34	9.31	736.03	9.58	735.76	9.32	736.02	9.54	735.80
MW-3	745.58	10.93	734.65	11.28	734.30	11.03	734.55	11.16	734.42
MW-4	744.95	10.89	734.06	11.20	733.75	10.99	733.96	11.08	733.87
MW-5	745.15	10.54	734.61	10.81	734.34	10.67	734.48	10.77	734.38

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

Based on the observed southeasterly groundwater flow throughout 2011, the wells constructed onsite are deemed up, down, or sidegradient as follows:

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

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 ten percent) or when at least three wellbore volumes had been purged. Sample bottles were preserved according to analyses to be performed as summarized in **Table**

3. Sampling information forms for each well are provided in Appendix A.

Samples were sent to ESC Lab Sciences in Mt. Juliet, Tennessee. ESC Lab Sciences is certified in the State of Washington for analysis of air, drinking water, Resource Conservation and Recovery Act (RCRA), underground storage tanks, and wastewater (Certificate #C1915). Sample parameters were chosen based on the findings in the *Preliminary Site Investigation Report* (HDR 2009b) and comments provided by Ecology to the December 2009 preliminary investigation report. Samples were analyzed for parameters as summarized in **Table 3**.

Table 3. 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 8270sim	4°C	7 days
Chlorinated Herbicides (full list)	EPA 8151A	4°C	7 days
Total Petroleum Hydrocarbon (TPH)	NWTPHGX NWTPHDX	4°C, pH < 2 with HCl	7 days
RCRA Metals ¹ (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver)	EPA 6010B	4°C, pH < 2 with HNO ₃	6 months 28 days Hg
Nitrate+Nitrite-N	EPA 353.2 or EPA 300.0	4°C	28 days
Ammonia-N	SM20 4500 NH3 D or 350.1	4°C, pH < 2 H ₂ SO ₄	28 days

¹ Samples for RCRA metals were filtered in the field.

Table 4 summarizes Quality Assurance/Quality Control (QA/QC) field samples that were collected for each quarterly groundwater sampling event.

Table 4. 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 4**, ESC Lab Sciences followed appropriate laboratory QA/QC procedures as dictated by the EPA method and the laboratory's Standard Operating Procedures (SOPs). Groundwater data validation reports for each quarter are presented in Appendix B.

Table 5 presents groundwater sampling results from the 2011 groundwater sampling events. The laboratory reports are included in Appendix A. Post plots of nitrate-nitrogen and ammonia-nitrogen are provided in **Figures 8** through **11**. **Table 6** provides a summary of comparison values for compounds detected in groundwater. **Table 7** summarizes those compounds whose comparison values were exceeded in the quarterly 2011 groundwater samples. **Table 8** compares the concentration value exceedances between regulatory thresholds and the wells.



Loretta Ave

736.83

736.75

736.50

736.25

736.00

735.50

735.25

735.00

736.03

735.75

734.75

734.61

S 1st St

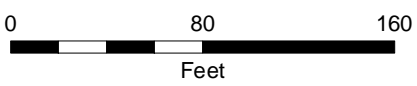
734.50

734.25

734.06

734.65

Zillah Ave





Loretta Ave

736.59

736.5

736.25

736

735.75

735.25

735

734.75

735.76

735.5

734.5

734.34

S 1st St

734.25

734

733.75

734.3

Zillah Ave



Loretta Ave

736.75

736.5

736.25

736

735.5

735.25

735

736.02

735.75

734.75

734.48

S 1st St

734.5

734

733.96

734.55

734.25

Zillah Ave



Loretta Ave

736.55

736.5

736.25

736

735.75

735.25

735

735.8

735.5

734.75

734.5

734.38

S 1st St

734.25

734

733.87

734.42

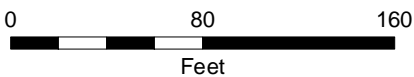
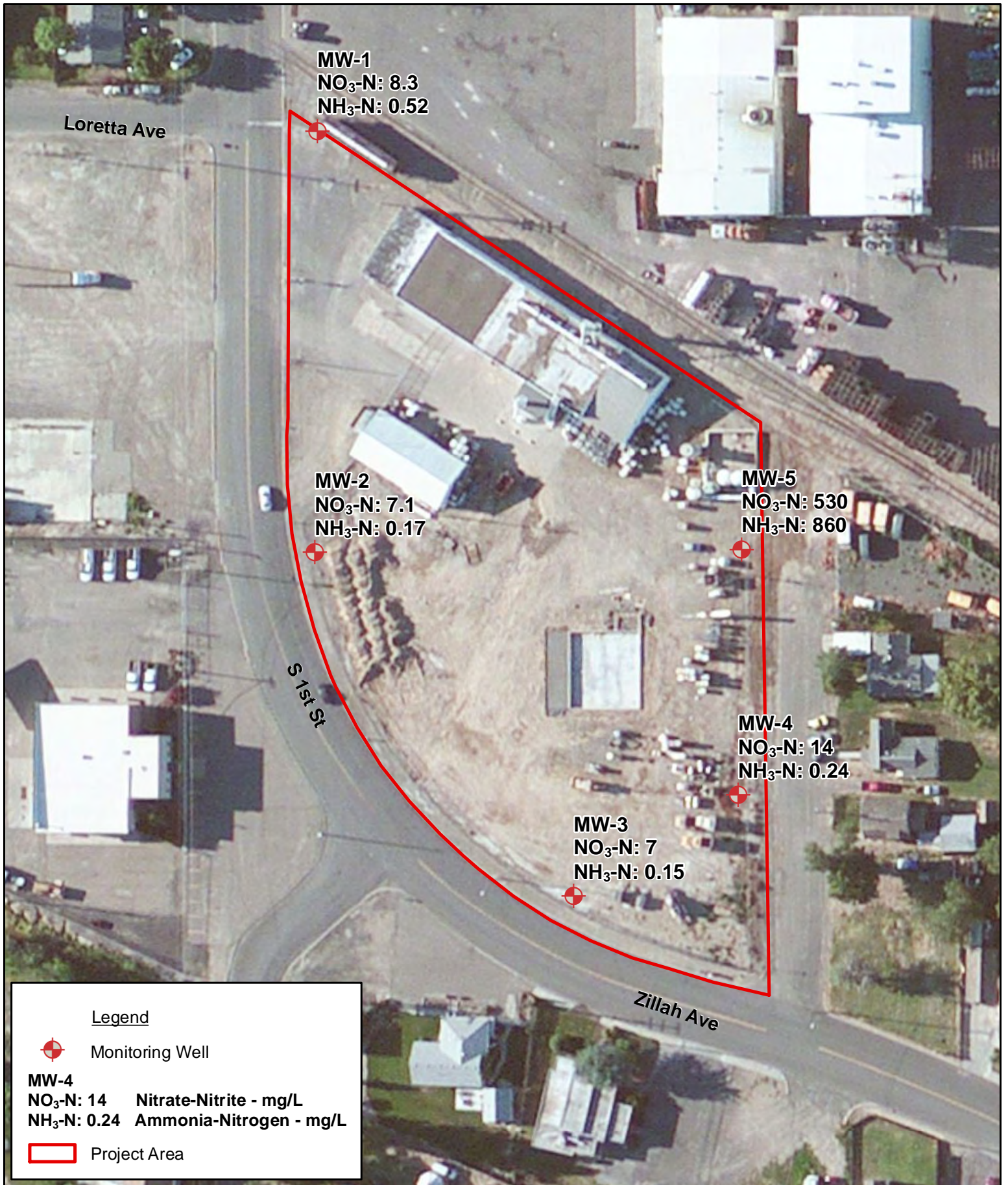
Zillah Ave

Table 5. Summary of Compounds Detected in Groundwater

Detected Compounds	March 2011 Result (mg/L)	June 2011 Result (mg/L)	September 2011 Result (mg/L)	December 2011 Result (mg/L)
MW-1				
Ammonia-Nitrogen	0.52	0.77	0.49	0.66
Arsenic (Dissolved)	<0.02	0.049	0.038	0.036
Barium (Dissolved)	0.065	0.12	0.053	0.034
Cadmium (Dissolved)	<0.005	0.0055	<0.005	<0.005
Lead (Dissolved)	0.011	<0.005	<0.005	<0.005
Nitrate-Nitrite	8.3	7.8	6.4	5.6
Residual Range Organics - NWTPH	<0.25	<0.25	0.44	<0.25
Selenium (Dissolved)	<0.02	0.038	<0.02	<0.02
Trichloroethene	0.0033	<0.001	<0.001	<0.001
MW-2				
Ammonia-Nitrogen	0.17	<0.10	0.22	0.18
Arsenic (Dissolved)	0.058	0.081	0.11	0.083
Barium (Dissolved)	0.037	0.091	0.049	0.037
Nitrate-Nitrite	7.1	5.8	6.2	5.1
Trichloroethene	0.0016	<0.001	<0.001	<0.001
MW-3				
Ammonia-Nitrogen	0.15	<0.10	<0.10	<0.10
Arsenic (Dissolved)	0.027	0.062	0.038	0.062
Barium (Dissolved)	0.072	0.053	0.046	0.038
Lead (Dissolved)	0.027	<0.005	<0.005	<0.005
Nitrate-Nitrite	7.0	8.5	11	9.3
Selenium (Dissolved)	0.036	0.095	<0.02	0.021
Trichloroethene	0.001	<0.001	<0.001	<0.001
MW-4				
1,2-Dichloropropane	0.014	0.016	0.0056	0.0040
Ammonia-Nitrogen	0.24	<0.10	0.11	0.40
Arsenic (Dissolved)	<0.02	0.04	0.028	0.031
Barium (Dissolved)	0.054	0.043	0.11	0.041
Lead (Dissolved)	0.012	<0.005	0.0062	<0.005
Nitrate-Nitrite	14	9.6	8.4	7.8
Selenium (Dissolved)	<0.02	0.039	<0.02	<0.02

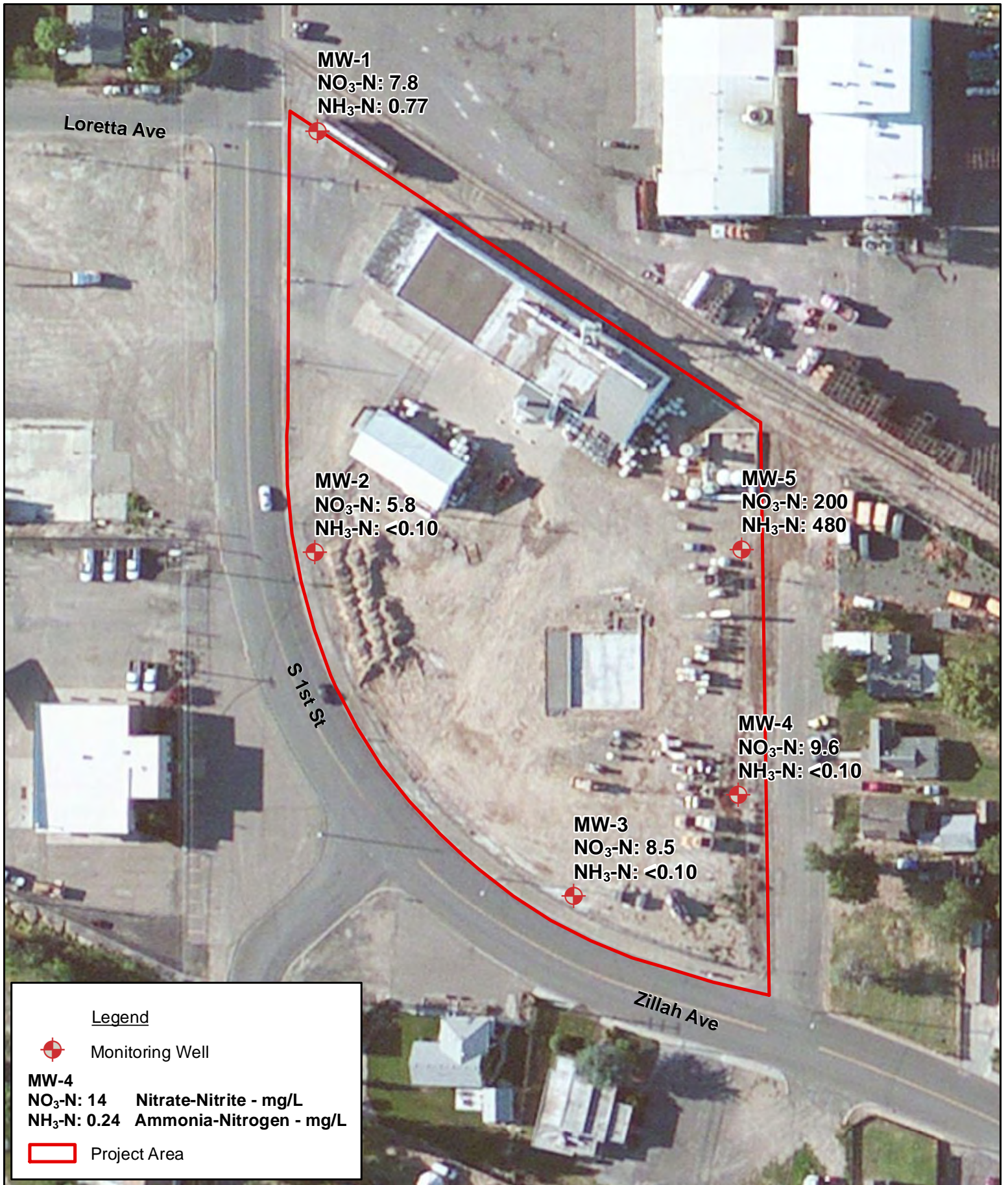
Detected Compounds	March 2011 Result (mg/L)	June 2011 Result (mg/L)	September 2011 Result (mg/L)	December 2011 Result (mg/L)
MW-5				
1,2,3-Trimethylbenzene	0.024	0.02	0.012	0.021
1,2,4-Trimethylbenzene	0.082	0.068	0.048	0.084
1,2-Dichloroethane	0.18	0.11	0.082	0.18
1,2-Dichloropropane	0.012	0.0091	0.0052	0.0093
1,3,5-Trimethylbenzene	0.024	0.021	0.015	0.024
1-Methylnaphthalene	0.0044	0.003	0.0026	0.0039
2-Chlorotoluene	<0.001	<0.001	<0.001	0.0030
2-Methylnaphthalene	0.0061	0.004	0.0034	0.0048
2,4-D	<0.008	<0.008	0.030	0.036
Acrolein	<0.05	<0.05	<0.05	0.068
Ammonia-Nitrogen	860	480	850	370
Arsenic (Dissolved)	0.074	0.18	0.16	0.23
Barium (Dissolved)	0.12	0.04	0.038	0.054
Benzene	0.18	0.16	0.077	0.14
Cadmium (Dissolved)	<0.005	0.0061	<0.005	<0.005
Chlorobenzene	0.0056	0.0055	0.0035	0.0042
Dicamba	<0.002	0.0086	0.0091	<0.01
Diesel Range Organics	1.5	1.4	0.61	2.0
Dinoseb	0.0088	0.0094	0.0098	<0.01
Ethylbenzene	<0.001	<0.001	0.0011	0.0011
Fluorene	<0.00005	<0.00005	<0.00005	0.000055
Gasoline Range Organics - NWTPH	1.5	1.5	0.86	1.8
Isopropylbenzene	<0.001	<0.001	0.0024	0.0032
Lead (Dissolved)	0.0074	<0.005	<0.005	<0.005
Naphthalene	0.026	0.016	0.017*	0.028*
Nitrate-Nitrite	530	200	310	290
Phenanthrene	<0.00005	<0.00005	<0.00005	0.00026
n-Propylbenzene	0.0068	0.0072	0.0050	0.0071
Pyrene	<0.00005	<0.00005	<0.00005	0.000053
Residual Range Organics - NWTPH	<0.25	<0.25	<0.25	0.26
Xylenes, Total	0.25	0.20	0.14	0.20

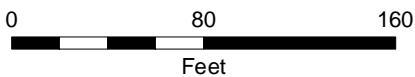
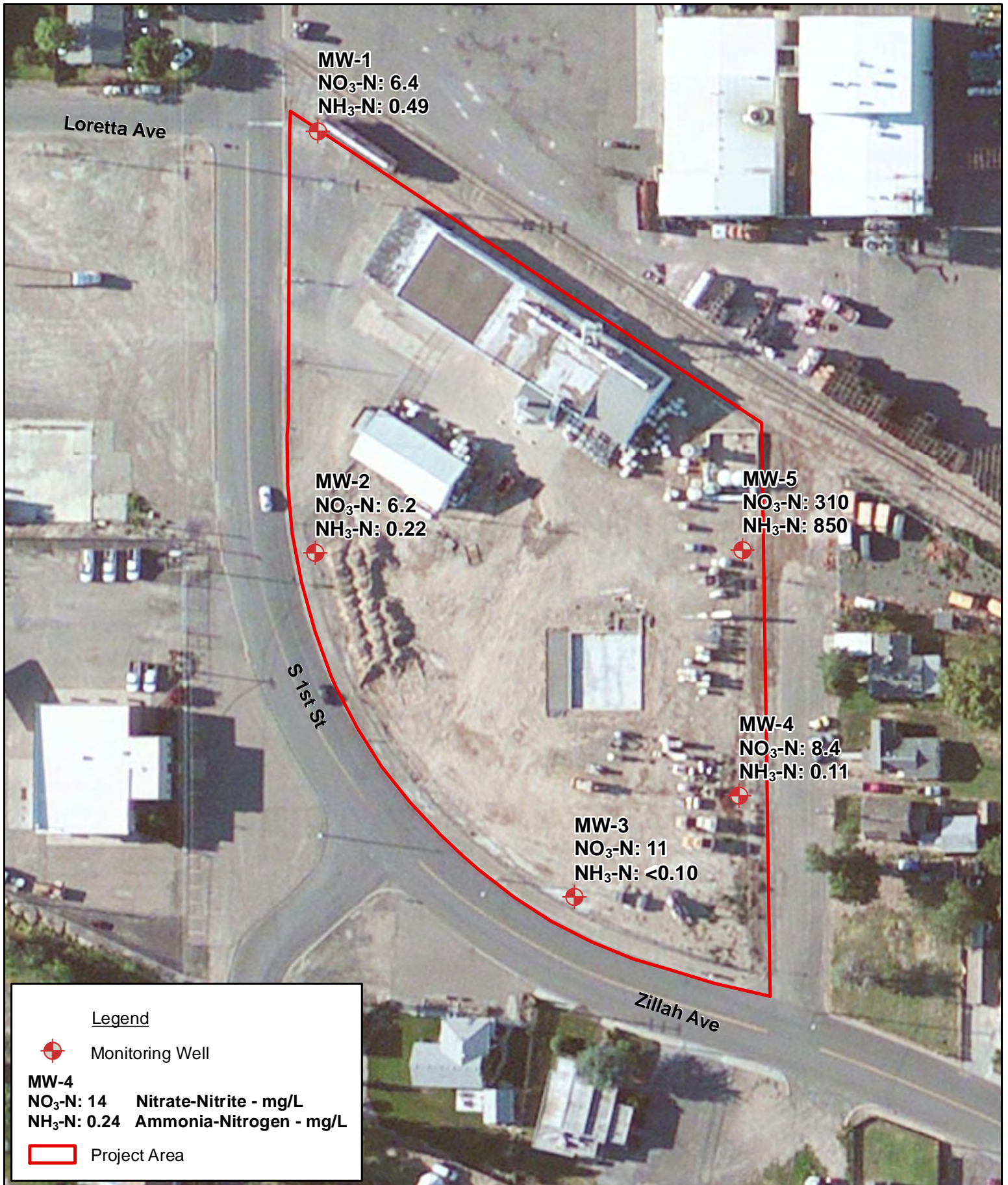
*In September and December 2011, naphthalene was detected in MW-5 by both Methods 8260B and 8270C. In each case, the value obtained from Method 8260B was higher and is reported in this table



**Figure 8: March 2011 Post Plot
Nitrogen and Ammonia
Simplot Grower Solutions, Sunnyside, WA**







**Figure 10: September 2011 Post Plot
 Nitrogen and Ammonia
 Simplot Grower Solutions, Sunnyside, WA**

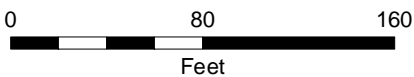
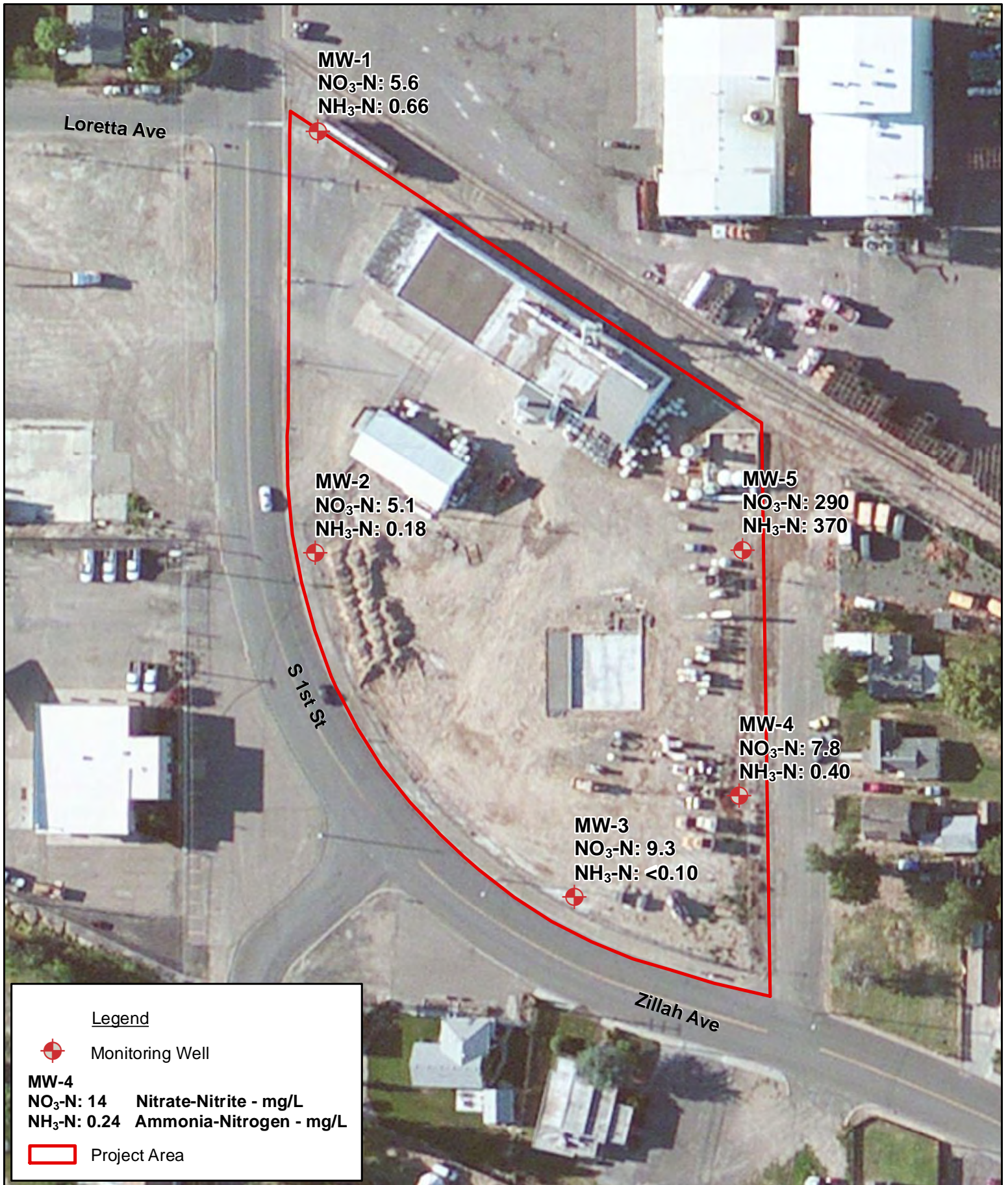


Figure 11: December 2011 Post Plot Nitrogen and Ammonia Simplot Grower Solutions, Sunnyside, WA

Table 6. Summary of Comparison Values for 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 – NWTPH	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 – NWTPH	N/A	N/A	N/A	N/A	N/A
Selenium	0.05	0.05	N/A	N/A	0.08
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

Table 7. Summary of Comparison Values Exceeded by Compounds Detected in Groundwater in 2011

Compound	March 2011		June 2011		September 2011		December 2011	
	Comparison Value(s) Exceeded	By Well(s)	Comparison Value(s) Exceeded	By Well(s)	Comparison Value(s) Exceeded	By Well(s)	Comparison Value(s) Exceeded	By Well(s)
1,2-Dichloroethane	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C)	MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C)	MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-5
1,2-Dichloropropane	Federal MCL State MCL	MW-4 MW-5	Federal MCL State MCL	MW-4 MW-5	Federal MCL State MCL	MW-4 MW-5	Federal MCL State MCL	MW-5
Acrolein	See Note B		See Note B		See Note B		MTCA Method B (NC)	MW-5
Arsenic	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-2 MW-3 MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-1 MW-2 MW-3 MW-4 MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-1 MW-2 MW-3 MW-4 MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-1 MW-2 MW-3 MW-4 MW-5
Benzene	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-5	Federal MCL State MCL MTCA Method A MTCA Method B (C) MTCA Method B (NC)	MW-5
Cadmium	No values exceeded		Federal MCL State MCL MTCA Method A	MW-1 MW-5	No values exceeded		No values exceeded	
Diesel Range Organics	MTCA Method A	MW-5	MTCA Method A	MW-5	MTCA Method A	MW-5	MTCA Method A	MW-5
Dinoseb	Federal MCL State MCL	MW-5	Federal MCL State MCL	MW-5	Federal MCL State MCL	MW-5	See Note A	
Gasoline Range Organics	MTCA Method A	MW-5	MTCA Method A	MW-5	MTCA Method A	MW-5	MTCA Method A	MW-5
Lead	Federal MCL State MCL MTCA Method A	MW-3	No values exceeded		No values exceeded		No values exceeded	
Nitrate-Nitrogen	Federal MCL State MCL	MW-4 MW-5	Federal MCL State MCL	MW-5	Federal MCL State MCL	MW-3 MW-5	Federal MCL State MCL	MW-5
Selenium	No values exceeded		Federal MCL State MCL MTCA Method B (NC)	MW-3	No values exceeded		No values exceeded	

^A Due to dilution, the laboratory detection limit for Dinoseb in December 2011 was higher than the Federal and State MCL; potential exceedance of these standards is undetermined

^B The laboratory detection limit for Acrolein in March, June, and September 2011 was higher than the MTCA Method B (NC); potential exceedance of this standard is undetermined

Table 8. Ranges of Compounds Detected in Groundwater that Exceeded Comparison Values in 2011

Compound	Comparison Value(s) Exceeded	mg/L	By Well(s)	Range (mg/L)
1,2-Dichloroethane	Federal MCL	0.005	MW-5	0.082 – 0.18
	State MCL	0.005		
	MTCA Method A	0.005		
	MTCA Method B (C)	0.0004808		
	MTCA Method B (NC)	0.16		
1,2-Dichloropropane	Federal MCL	0.005	MW-4	0.0040 – 0.016
	State MCL	0.005	MW-5	0.0052 – 0.012
Acrolein ^B	MTCA Method B (NC)	0.004	MW-5	0.068
Arsenic	Federal MCL	0.01	MW-1	<0.02 – 0.049
	State MCL	0.01	MW-2	0.058 – 0.11
	MTCA Method A	0.005	MW-3	0.027 – 0.062
	MTCA Method B (C)	0.00005833	MW-4	<0.02 – 0.04
	MTCA Method B (NC)	0.0048	MW-5	0.074 – 0.23
Benzene	Federal MCL	0.005	MW-5	0.077 – 0.18
	State MCL	0.005		
	MTCA Method A	0.005		
	MTCA Method B (C)	0.0007955		
	MTCA Method B (NC)	0.032		
Cadmium	Federal MCL	0.005	MW-1	<0.005 – 0.0055
	State MCL	0.005	MW-5	<0.005 – 0.0061
	MTCA Method A	0.005		
Diesel Range Organics	MTCA Method A	0.5	MW-5	0.61 – 2.0
Dinoseb ^A	Federal MCL	0.007	MW-5	0.0088 – 0.0098
	State MCL	0.007		
Gasoline Range Organics	MTCA Method A	0.8	MW-5	0.86 – 1.8
Lead	Federal MCL	0.015	MW-3	<0.005 – 0.027
	State MCL	0.015		
	MTCA Method A	0.015		
Nitrate-Nitrogen	Federal MCL	10	MW-3	7.0 – 11
	State MCL	10	MW-4 MW-5	7.8 – 14 200 – 530
Selenium	Federal MCL	0.05	MW-3	<0.02 – 0.095
	State MCL	0.05		
	MTCA Method B (NC)	0.08		

^A Due to dilution, the laboratory detection limit for Dinoseb in December 2011 was higher than the Federal and State MCL; potential exceedance of these standards is undetermined

^B The laboratory detection limit for Acrolein in March, June, and September 2011 was higher than the MTCA Method B (NC); potential exceedance of this standard is undetermined

3.0 Conclusions and Recommendations

Per the *Monitoring Well Construction and Sampling Work Plan* (HDR 2010) approved by Ecology in December 2010, four quarterly samples were collected in March, June, September, and December 2011 following monitoring well installation and development in March 2011. Groundwater sample results are summarized in Section 2.4 of this report. A summary of comparison values (MCL and MTCA) exceeded by compounds detected in groundwater is provided in **Tables 7 and 8**.

Well MW-5 showed exceedances to the comparison values for multiple compounds including petroleum related constituents, the pesticide 1,2-dichloropropane, and nitrate-nitrogen. In addition, MW-5 was elevated in ammonium-nitrogen compared to other wells.

Because MW-5 is elevated in several constituents, the assessment of off-site groundwater conditions is warranted. Simplot proposed to construct two off-site monitoring wells downgradient of the site. A separate Work Plan will be developed that describes well location and construction.

4.0 References

- HDR Engineering. 2010. *Monitoring Well Construction and Sampling Work Plan*. July 2010. Revised December 2010.
- HDR Engineering. 2009a. *Preliminary Site Investigation Work Plan*. May 2009.
- HDR Engineering. 2009b. *Preliminary Site Investigation Report*. December 2009.
- Secor. *Phase III Remedial Investigation Work Plan for the Bee-Jay Scales Site*. February 10, 2006.
- Stantec. *Third Quarter 2008 Groundwater Monitoring and Sampling Report*. November 7 2008.
- U.S. Environmental Protection Agency. *Management of Remediation Waste Under RCRA*. EPA530-F-98-026. October 1998.
- U.S. Environmental Protection Agency. *SW-846 Online*. Waste – Hazardous Waste – Test Methods website. Last updated March 23, 2009.
<http://www.epa.gov/osw/hazard/testmethods/sw846/online/index.htm> Viewed April 15, 2009.
- Washington State Department of Ecology. *Natural Background Soil Metals Concentrations in Washington State*. Publication #94-115. October 1994.

APPENDIX A
Groundwater Sampling Field Forms and Laboratory Reports

Groundwater Sampling Information

Sample ID: MW-1			Date: 3/17/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 8.93'			Measuring Point: TPVC		
Well Depth: 19.34'			Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.06		2 inch = 0.17	3 inch = 0.66	
One Casing Volume (gallons): 1.77			Three Casing Volumes (gallons): 5.3		
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. 0838	-----	-----	-----	-----	0
1. 0841	8.2	12.0	1.134 ms	Dk. Br. silty	1
2. 0844	8.1	13.4	1.172		2
3. 0846	8.1	12.9	1.353		3
4. 0848	8.1	13.0	1.308		4
5. 0850	8.1	12.9	1.352		5
6. 0852	8.1	13.0	1.427		6
7.					Total 7
8.					
9.					
10.					
Sample Time: 0930			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-2		Date: 3/17/2011			
Project: Simplot Grower Solutions		Project No: 97156			
Location: Sunnyside WA					
Depth to Water: 9.31		Measuring Point: TPVC			
Well Depth: 17.73		Measuring Point: TPVC			
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 1.43		Three Casing Volumes (gallons): 4.29			
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. 1000	-----	-----	-----	-----	0
1. 1004	9.2	12.7	0.905 ms	Dk. Br. Silty	1
2. 1006	9.1	13.0	0.973		2
3. 1008	9.0	13.1	0.981		3
4. 1010	9.0	13.7	0.991		4
5. 1014	8.9	13.1	0.971		5
6. 1016	9.0	13.2	0.976		6
7.					Total 7
8.					
9.					
10.					
Sample 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 – N		Ammonium – N			
Cl. Herbicides (8151A)		8 RCRA Metal (dissolved)			
Duplicate:		MS/MD:			
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-3		Date: 3/17/2011			
Project: Simplot Grower Solutions		Project No: 97156			
Location: Sunnyside WA					
Depth to Water: 10.93		Measuring Point: TPVC			
Well Depth: 23.07		Measuring Point: TPVC			
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 2.06		Three Casing Volumes (gallons): 6.19			
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. 1118	-----	-----	-----	-----	0
1. 1120	8.0	13.7	2.163 ms	Dk. Br. Silty	1
2. 1126	8.0	14.3	2.184		2
3. 1128	8.0	14.6	2.216		3
4. 1130	8.0	14.5	2.202		4
5. 1132	8.0	14.5	2.221		5
6. 1134	8.0	14.5	2.220		6
7.					Total 7
8.					
9.					
10.					
Sample Time: 1230			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 – N		Ammonium – N			
Cl. Herbicides (8151A)		8 RCRA Metal (dissolved)			
Duplicate:		MS/MD:			
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-4		Date: 3/17/2011			
Project: Simplot Grower Solutions		Project No: 97156			
Location: Sunnyside WA					
Depth to Water: 10.89		Measuring Point: TPVC			
Well Depth: 22.71		Measuring Point: TPVC			
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 2.01		Three Casing Volumes (gallons): 6.03			
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. 1233	-----	-----	-----	-----	0
1. 1235	8.5	13.9	1.147 ms	Dk. Br. Silty	1
2. 1237	8.3	13.4	1.192		2
3. 1239	8.3	13.7	1.192		3
4. 1241	8.3	13.8	1.185		4
5. 1242	8.4	14.1	1.173		5
6. 1247	8.3	14.0	1.217		6
7.					Total 7
8.					
9.					
10.					
Sample Time: 1400		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 – N		Ammonium – N			
Cl. Herbicides (8151A)		8 RCRA Metal (dissolved)			
Duplicate:		MS/MD:			
Comments:					
Signature: D. Reynolds		Company: HDR			

Groundwater Sampling Information

Sample ID: MW-5		Date: 3/17/2011			
Project: Simplot Grower Solutions		Project No: 97156			
Location: Sunnyside WA					
Depth to Water: 10.54		Measuring Point: TPVC			
Well Depth: 22.53		Measuring Point: TPVC			
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 2.04		Three Casing Volumes (gallons): 6.12			
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. 1350	-----	-----	-----	-----	0
1. 1352	9.3	13.2	7.41 ms	Dk. Br. Silty	1
2. 1354	9.3	13.2	8.24		2
3. 1356	9.3	13.4	8.47		3
4. 1359	9.3	13.2	9.37		4
5. 1402	9.3	13.6	9.45		5
6. 1405	9.3	13.3	9.50		6
7.					Total 7
8.					
9.					
10.					
Sample Time: 1530			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate: MW-6 @ 1700			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-1			Date: 6/30/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 9.17			Measuring Point: TPVC		
Well Depth: 19.34			Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 1.73			Three Casing Volumes (gallons): 5.18		
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. 0835	-----	-----	-----	-----	0
1. 0842	7.4	15.3	1.082 ms	Dk. Br. Silty	2
2. 0844	7.5	15.2	1.164	Dk. Br. Silty	3
3. 0846	7.4	15.0	1.103	Dk. Br. Silty	4
4. 0850	7.4	15.2	1.233	Dk. Br. Silty	5
5. 0852	7.4	15.2	1.273	Dk. Br. Silty	6
6. 0854	7.4	15.1	1.323	Dk. Br. Silty	7
7.					
8.					
9.					
10.					
Sample Time: 0800 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-2			Date: 6/30/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 9.58			Measuring Point: TPVC		
Well Depth: 17.73			Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 1.39			Three Casing Volumes (gallons): 4.16		
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. 1021	-----	-----	-----	-----	0
1. 1025	7.5	14.9	1.021 ms	Dk. Br. Silty	2
2. 1027	7.5	14.6	1.012	Dk. Br. Silty	3
3. 1029	7.6	14.6	0.992	Dk. Br. Silty	4
4. 1031	7.5	14.6	0.996	Dk. Br. Silty	5
5. 1033	7.6	14.6	0.999	Dk. Br. Silty	6
6. 1035	7.6	14.5	0.991	Dk. Br. Silty	7
7.					
8.					
9.					
10.					
Sample Time: 1000 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-3			Date: 6/30/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 11.28			Measuring Point: TPVC		
Well Depth: 23.07			Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 2.00			Three Casing Volumes (gallons): 6.01		
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. 1123	-----	-----	-----	-----	0
1. 1127	7.2	15.0	2.341 ms	Dk. Br. Silty	2
2. 1129	7.2	14.8	2.342	Dk. Br. Silty	3
3. 1131	7.2	15.1	2.337	Dk. Br. Silty	4
4. 1133	7.2	14.8	2.330	Dk. Br. Silty	5
5. 1135	7.2	15.0	2.320	Dk. Br. Silty	6
6. 1137	7.2	14.9	2.322	Dk. Br. Silty	7
7.					
8.					
9.					
10.					
Sample Time: 1200 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-4			Date: 6/30/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 11.20			Measuring Point: TPVC		
Well Depth: 22.71			Measuring Point: TPVC		
Casing Diameter: 2 inch		Factor: 1 inch = 0.06	2 inch = 0.17		3 inch = 0.66
One Casing Volume (gallons): 1.96			Three Casing Volumes (gallons): 5.87		
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. 1246	-----	-----	-----	-----	0
1. 1250	7.5	14.8	1.041 ms	Dk. Br. Silty	2
2. 1252	7.4	14.6	1.057	Dk. Br. Silty	3
3. 1254	7.4	14.7	1.068	Dk. Br. Silty	4
4. 1257	7.4	14.5	1.081	Dk. Br. Silty	5
5. 1259	7.4	14.4	1.086	Dk. Br. Silty	6
6. 1301	7.5	14.4	1.087	Dk. Br. Silty	7
7.					
8.					
9.					
10.					
Sample Time: 1400 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-5		Date: 6/30/2011			
Project: Simplot Grower Solutions		Project No: 97156			
Location: Sunnyside WA					
Depth to Water: 10.81		Measuring Point: TPVC			
Well Depth: 22.53		Measuring Point: TPVC			
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 1.99		Three Casing Volumes (gallons):5.98			
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. 1346	-----	-----	-----	-----	0
1. 1350	8.2	14.9	5.91 ms	Dk. Br. Silty	2
2. 1353	8.2	14.5	6.70	Dk. Br. Silty	3
3. 1355	8.2	14.4	6.83	Dk. Br. Silty	4
4. 1359	8.2	14.2	7.18	Dk. Br. Silty	5
5. 1401	8.2	14.5	7.40	Dk. Br. Silty	6
6. 1403	8.2	14.4	7.45	Dk. Br. Silty	7
7.					
8.					
9.					
10.					
Sample Time: 1600 (Preassigned)			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 – N		Ammonium – N			
Cl. Herbicides (8151A)		8 RCRA Metal (dissolved)			
Duplicate: MW-6 @ 1800		MS/MD:			
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-1			Date: 9/15/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 9.01			Measuring Point: TPVC		
Well Depth: 19.34			Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 1.76			Three Casing Volumes (gallons): 5.27		
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. 0715	-----	-----	-----	-----	0
1. 0719	7.3	18.3	1.065 ms	Dk. Br. Cl.	2
2. 0721	7.3	18.1	1.147	Dk. Br. Cl.	3
3. 0723	7.3	17.7	1.102	Dk. Br. Cl.	4
4. 0725	7.3	18.2	1.160	Dk. Br. Cl.	5
5. 0728	7.3	18.1	1.226	Dk. Br. Cl.	6
6. 0729	7.3	18.2	1.235	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 0800 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-2			Date: 9/15/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 9.32			Measuring Point: TPVC		
Well Depth: 17.73			Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66		
One Casing Volume (gallons): 1.43			Three Casing Volumes (gallons): 4.29		
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. 0819	7.6	16.8	1.019 ms	Dk. Br. Cl.	2
2. 0821	7.6	17.2	1.039	Dk. Br. Cl.	3
3. 0823	7.6	17.1	1.036	Dk. Br. Cl.	4
4. 0825	7.6	16.9	1.025	Dk. Br. Cl.	5
5. 0827	7.6	17.0	1.030	Dk. Br. Cl.	6
6. 0829	7.6	16.8	1.022	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1000 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-3			Date: 9/15/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 11.03			Measuring Point: TPVC		
Well Depth: 23.07			Measuring Point: TPVC		
Casing Diameter: 2 inch		Factor: 1 inch = 0.06		2 inch = 0.17	3 inch = 0.66
One Casing Volume (gallons): 2.05			Three Casing Volumes (gallons): 6.14		
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. 0936	-----	-----	-----	-----	0
1. 0940	7.2	16.8	2.365 ms	Dk. Br. Cl.	2
2. 0942	7.2	16.9	2.404	Dk. Br. Cl.	3
3. 0944	7.2	16.6	2.391	Dk. Br. Cl.	4
4. 0946	7.2	17.0	2.423	Dk. Br. Cl.	5
5. 0948	7.2	16.6	2.399	Dk. Br. Cl.	6
6. 0950	7.2	16.5	2.396	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1200 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-4			Date: 9/15/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 10.99			Measuring Point: TPVC		
Well Depth: 22.71			Measuring Point: TPVC		
Casing Diameter: 2 inch		Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66	
One Casing Volume (gallons): 1.99			Three Casing Volumes (gallons): 5.98		
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. 1040	-----	-----	-----	-----	0
1. 1044	7.5	16.3	0.967 ms	Dk. Br. Cl.	2
2. 1046	7.5	16.2	0.987	Dk. Br. Cl.	3
3. 1048	7.5	16.0	0.985	Dk. Br. Cl.	4
4. 1050	7.5	16.1	1.002	Dk. Br. Cl.	5
5. 1052	7.4	16.2	1.006	Dk. Br. Cl.	6
6. 1054	7.4	16.1	0.997	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1400 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-5			Date: 9/15/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 10.67			Measuring Point: TPVC		
Well Depth: 22.53			Measuring Point: TPVC		
Casing Diameter: 2 inch		Factor: 1 inch = 0.06	2 inch = 0.17	3 inch = 0.66	
One Casing Volume (gallons): 2.02			Three Casing Volumes (gallons): 6.05		
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. 1197	-----	-----	-----	-----	0
1. 1201	8.1	16.9	6.12 ms	Dk. Br. Cl.	2
2. 1203	8.1	16.5	6.23	Dk. Br. Cl.	3
3. 1205	8.1	16.5	6.41	Dk. Br. Cl.	4
4. 1207	8.1	16.4	6.49	Dk. Br. Cl.	5
5. 1211	8.1	16.4	7.05	Dk. Br. Cl.	6
6. 1213	8.1	16.4	7.14	Dk. Br. Cl.	7
7. 1215	8.1	16.4	7.16	Dk. Br. Cl.	8
8.					
9.					
10.					
Sample Time: 1600 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate: MW-6 @ 1800			MS/MD:		
Comments:					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-1			Date: 12/16/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 9.21			Measuring Point: TPVC		
Well Depth: 19.34		Water Ht. 10.13		Measuring Point: TPVC	
Casing Diameter: 2 inch		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.65
One Casing Volume (gallons): 1.62			Three Casing Volumes (gallons): 4.86		
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. 0839	-----	-----	-----	-----	0
1. 0842	7.3	14.7	0.918 ms	Dk. Br. Cl.	2
2. 0844	7.4	15.7	0.971	Dk. Br. Cl.	3
3. 0846	7.4	15.1	1.003	Dk. Br. Cl.	4
4. 0848	7.4	15.4	0.970	Dk. Br. Cl.	5
5. 0850	7.4	15.8	1.060	Dk. Br. Cl.	6
6. 0852	7.4	15.6	1.080	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 0900 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
RCRA metals sample were filtered in the field.					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-2			Date: 12/16/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 9.54			Measuring Point: TPVC		
Well Depth: 17.73		Water Ht. 8.19	Measuring Point: TPVC		
Casing Diameter: 2 inch		Factor: 1 inch = 0.04	2 inch = 0.16	4 inch = 0.65	
One Casing Volume (gallons): 1.31			Three Casing Volumes (gallons): 3.93		
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. 0950	-----	-----	-----	-----	0
1. 0954	7.7	14.3	0.937 ms	Dk. Br. Cl.	2
2. 0956	7.7	14.2	0.953	Dk. Br. Cl.	3
3. 0958	7.7	14.5	0.958	Dk. Br. Cl.	4
4. 1000	7.7	14.7	0.950	Dk. Br. Cl.	5
5. 1002	7.7	14.8	0.946	Dk. Br. Cl.	6
6. 1004	7.7	14.5	0.944	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1030 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
RCRA metals sample were filtered in the field.					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-3			Date: 12/16/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 11.16			Measuring Point: TPVC		
Well Depth: 23.07		Water Ht. 11.91		Measuring Point: TPVC	
Casing Diameter: 2 inch		Factor: 1 inch = 0.04		2 inch = 0.16 4 inch = 0.65	
One Casing Volume (gallons): 1.91			Three Casing Volumes (gallons): 5.72		
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. 1105	-----	-----	-----	-----	0
1. 1108	7.3	14.3	2.078 ms	Dk. Br. Cl.	2
2. 1110	7.3	15.2	2.217	Dk. Br. Cl.	3
3. 1112	7.3	15.3	2.234	Dk. Br. Cl.	4
4. 1114	7.3	15.0	2.225	Dk. Br. Cl.	5
5. 1116	7.3	15.0	2.220	Dk. Br. Cl.	6
6. 1118	7.3	14.8	2.222	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1200 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
RCRA metals sample were filtered in the field.					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-4			Date: 12/16/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 11.08			Measuring Point: TPVC		
Well Depth: 22.71		Water Ht. 11.63		Measuring Point: TPVC	
Casing Diameter: 2 inch		Factor: 1 inch = 0.04		2 inch = 0.16 4 inch = 0.65	
One Casing Volume (gallons): 1.86			Three Casing Volumes (gallons): 5.58		
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. 1226	-----	-----	-----	-----	0
1. 1230	7.6	14.0	0.853 ms	Dk. Br. Cl.	2
2. 1232	7.6	14.8	0.912	Dk. Br. Cl.	3
3. 1234	7.6	14.7	0.936	Dk. Br. Cl.	4
4. 1236	7.6	14.7	0.944	Dk. Br. Cl.	5
5. 1238	7.6	14.7	0.956	Dk. Br. Cl.	6
6. 1240	7.6	14.6	0.957	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1330 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate:			MS/MD:		
Comments:					
RCRA metals sample were filtered in the field.					
Signature: D. Reynolds			Company: HDR		

Groundwater Sampling Information

Sample ID: MW-5			Date: 12/16/2011		
Project: Simplot Grower Solutions			Project No: 97156		
Location: Sunnyside WA					
Depth to Water: 10.77			Measuring Point: TPVC		
Well Depth: 22.53		Water Ht. 11.76		Measuring Point: TPVC	
Casing Diameter: 2 inch		Factor: 1 inch = 0.04		2 inch = 0.16 4 inch = 0.65	
One Casing Volume (gallons): 1.88			Three Casing Volumes (gallons): 5.64		
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. 1357	-----	-----	-----	-----	0
1. 1400	8.3	14.4	8.13 ms	Dk. Br. Cl.	2
2. 1402	8.3	14.5	8.48	Dk. Br. Cl.	3
3. 1404	8.3	14.8	8.46	Dk. Br. Cl.	4
4. 1406	8.2	14.9	8.81	Dk. Br. Cl.	5
5. 1408	8.2	14.9	8.58	Dk. Br. Cl.	6
6. 1410	8.2	14.9	8.83	Dk. Br. Cl.	7
7.					
8.					
9.					
10.					
Sample Time: 1500 (Preassigned)			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 – N			Ammonium – N		
Cl. Herbicides (8151A)			8 RCRA Metal (dissolved)		
Duplicate: MW-6 @ 1630			MS/MD:		
Comments:					
RCRA metals sample were filtered in the field.					
Signature: D. Reynolds			Company: HDR		



12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Report Summary

Monday March 28, 2011

Report Number: L507163

Samples Received: 03/19/11

Client Project: 97156

Description: Simplot- 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:

Jared Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-1-8.5
 Collected By : D. Reynolds
 Collection Date : 03/15/11 09:45

ESC Sample # : L507163-01
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	33.	1.3	mg/kg	9056	03/22/11	1
Ammonia Nitrogen	50.	6.4	mg/kg	350.1	03/25/11	1
Total Solids	78.		%	2540G	03/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.64	mg/kg	NWTPHGX	03/21/11	5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	102.		% Rec.	NWTPHGX	03/21/11	5
Volatile Organics						
Acetone	BDL	0.32	mg/kg	8260B	03/21/11	5
Acrylonitrile	BDL	0.064	mg/kg	8260B	03/21/11	5
Benzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromodichloromethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromoform	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromomethane	BDL	0.032	mg/kg	8260B	03/21/11	5
n-Butylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
sec-Butylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
tert-Butylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Carbon tetrachloride	BDL	0.0064	mg/kg	8260B	03/21/11	5
Chlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Chlorodibromomethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Chloroethane	BDL	0.032	mg/kg	8260B	03/21/11	5
2-Chloroethyl vinyl ether	BDL	0.32	mg/kg	8260B	03/21/11	5
Chloroform	BDL	0.032	mg/kg	8260B	03/21/11	5
Chloromethane	BDL	0.016	mg/kg	8260B	03/21/11	5
2-Chlorotoluene	BDL	0.0064	mg/kg	8260B	03/21/11	5
4-Chlorotoluene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.032	mg/kg	8260B	03/21/11	5
1,2-Dibromoethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Dibromomethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,3-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,4-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Dichlorodifluoromethane	BDL	0.032	mg/kg	8260B	03/21/11	5
1,1-Dichloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dichloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1-Dichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
cis-1,2-Dichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
trans-1,2-Dichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dichloropropane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1-Dichloropropene	BDL	0.0064	mg/kg	8260B	03/21/11	5

Results listed are dry weight basis.
 BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-1-8.5
Collected By : D. Reynolds
Collection Date : 03/15/11 09:45

ESC Sample # : L507163-01
Site ID : SUNNYSIDE, WA
Project # : 97156

Table with 7 columns: Parameter, Dry Result, Det. Limit, Units, Method, Date, Dil. Lists various chemical parameters and their detection results.

Polynuclear Aromatic Hydrocarbons

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-1-8.5
 Collected By : D. Reynolds
 Collection Date : 03/15/11 09:45

ESC Sample # : L507163-01
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Chrysene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Fluorene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Pyrene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	86.7		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	88.1		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	53.9		% Rec.	8270C-SIM	03/23/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-2-6.5
 Collected By : D. Reynolds
 Collection Date : 03/15/11 12:00

ESC Sample # : L507163-02
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	18.	1.3	mg/kg	9056	03/22/11	1
Ammonia Nitrogen	BDL	6.4	mg/kg	350.1	03/25/11	1
Total Solids	78.		%	2540G	03/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.64	mg/kg	NWTPHGX	03/21/11	5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	100.		% Rec.	NWTPHGX	03/21/11	5
Volatile Organics						
Acetone	BDL	0.32	mg/kg	8260B	03/21/11	5
Acrylonitrile	BDL	0.064	mg/kg	8260B	03/21/11	5
Benzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromodichloromethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromoform	BDL	0.0064	mg/kg	8260B	03/21/11	5
Bromomethane	BDL	0.032	mg/kg	8260B	03/21/11	5
n-Butylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
sec-Butylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
tert-Butylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Carbon tetrachloride	BDL	0.0064	mg/kg	8260B	03/21/11	5
Chlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Chlorodibromomethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Chloroethane	BDL	0.032	mg/kg	8260B	03/21/11	5
2-Chloroethyl vinyl ether	BDL	0.32	mg/kg	8260B	03/21/11	5
Chloroform	BDL	0.032	mg/kg	8260B	03/21/11	5
Chloromethane	BDL	0.016	mg/kg	8260B	03/21/11	5
2-Chlorotoluene	BDL	0.0064	mg/kg	8260B	03/21/11	5
4-Chlorotoluene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.032	mg/kg	8260B	03/21/11	5
1,2-Dibromoethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Dibromomethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,3-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,4-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Dichlorodifluoromethane	BDL	0.032	mg/kg	8260B	03/21/11	5
1,1-Dichloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dichloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1-Dichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
cis-1,2-Dichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
trans-1,2-Dichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2-Dichloropropane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1-Dichloropropene	BDL	0.0064	mg/kg	8260B	03/21/11	5

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Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-2-6.5
 Collected By : D. Reynolds
 Collection Date : 03/15/11 12:00

ESC Sample # : L507163-02
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,3-Dichloropropane	BDL	0.0064	mg/kg	8260B	03/21/11	5
cis-1,3-Dichloropropene	BDL	0.0064	mg/kg	8260B	03/21/11	5
trans-1,3-Dichloropropene	BDL	0.0064	mg/kg	8260B	03/21/11	5
2,2-Dichloropropane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Di-isopropyl ether	BDL	0.0064	mg/kg	8260B	03/21/11	5
Ethylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Hexachloro-1,3-butadiene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Isopropylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
p-Isopropyltoluene	BDL	0.0064	mg/kg	8260B	03/21/11	5
2-Butanone (MEK)	BDL	0.064	mg/kg	8260B	03/21/11	5
Methylene Chloride	BDL	0.032	mg/kg	8260B	03/21/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.064	mg/kg	8260B	03/21/11	5
Methyl tert-butyl ether	BDL	0.0064	mg/kg	8260B	03/21/11	5
Naphthalene	BDL	0.032	mg/kg	8260B	03/21/11	5
n-Propylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Styrene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0064	mg/kg	8260B	03/21/11	5
Tetrachloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Toluene	BDL	0.032	mg/kg	8260B	03/21/11	5
1,2,3-Trichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2,4-Trichlorobenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1,1-Trichloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,1,2-Trichloroethane	BDL	0.0064	mg/kg	8260B	03/21/11	5
Trichloroethene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Trichlorofluoromethane	BDL	0.032	mg/kg	8260B	03/21/11	5
1,2,3-Trichloropropane	BDL	0.016	mg/kg	8260B	03/21/11	5
1,2,4-Trimethylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,2,3-Trimethylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
1,3,5-Trimethylbenzene	BDL	0.0064	mg/kg	8260B	03/21/11	5
Vinyl chloride	BDL	0.0064	mg/kg	8260B	03/21/11	5
Xylenes, Total	BDL	0.019	mg/kg	8260B	03/21/11	5
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	03/21/11	5
Dibromofluoromethane	99.3		% Rec.	8260B	03/21/11	5
4-Bromofluorobenzene	102.		% Rec.	8260B	03/21/11	5
Diesel Range Organics (DRO)	BDL	5.2	mg/kg	NWTPHDX	03/23/11	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	03/23/11	1
Surrogate Recovery						
o-Terphenyl	81.7		% Rec.	NWTPHDX	03/23/11	1

Polynuclear Aromatic Hydrocarbons

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-2-6.5
 Collected By : D. Reynolds
 Collection Date : 03/15/11 12:00

ESC Sample # : L507163-02
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Acenaphthene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Acenaphthylene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Benzo(a)anthracene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Benzo(a)pyrene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Benzo(b)fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Benzo(g,h,i)perylene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Benzo(k)fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Chrysene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Dibenz(a,h)anthracene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Fluorene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Naphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Phenanthrene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Pyrene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
1-Methylnaphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
2-Methylnaphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
2-Chloronaphthalene	BDL	0.0077	mg/kg	8270C-SIM	03/24/11	1
Surrogate Recovery						
Nitrobenzene-d5	83.3		% Rec.	8270C-SIM	03/24/11	1
2-Fluorobiphenyl	81.5		% Rec.	8270C-SIM	03/24/11	1
p-Terphenyl-d14	59.0		% Rec.	8270C-SIM	03/24/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-3-7
Collected By : D. Reynolds
Collection Date : 03/15/11 14:00

ESC Sample # : L507163-03
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	8.1	1.4	mg/kg	9056	03/22/11	1
Ammonia Nitrogen	BDL	7.0	mg/kg	350.1	03/25/11	1
Total Solids	71.		%	2540G	03/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.70	mg/kg	NWTPHGX	03/21/11	5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	106.		% Rec.	NWTPHGX	03/21/11	5
Volatile Organics						
Acetone	BDL	0.35	mg/kg	8260B	03/21/11	5
Acrylonitrile	BDL	0.070	mg/kg	8260B	03/21/11	5
Benzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Bromobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Bromodichloromethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
Bromoform	BDL	0.0070	mg/kg	8260B	03/21/11	5
Bromomethane	BDL	0.035	mg/kg	8260B	03/21/11	5
n-Butylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
sec-Butylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
tert-Butylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Carbon tetrachloride	BDL	0.0070	mg/kg	8260B	03/21/11	5
Chlorobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Chlorodibromomethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
Chloroethane	BDL	0.035	mg/kg	8260B	03/21/11	5
2-Chloroethyl vinyl ether	BDL	0.35	mg/kg	8260B	03/21/11	5
Chloroform	BDL	0.035	mg/kg	8260B	03/21/11	5
Chloromethane	BDL	0.018	mg/kg	8260B	03/21/11	5
2-Chlorotoluene	BDL	0.0070	mg/kg	8260B	03/21/11	5
4-Chlorotoluene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.035	mg/kg	8260B	03/21/11	5
1,2-Dibromoethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
Dibromomethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,2-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,3-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,4-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Dichlorodifluoromethane	BDL	0.035	mg/kg	8260B	03/21/11	5
1,1-Dichloroethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,2-Dichloroethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1-Dichloroethene	BDL	0.0070	mg/kg	8260B	03/21/11	5
cis-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	03/21/11	5
trans-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1-Dichloropropene	BDL	0.0070	mg/kg	8260B	03/21/11	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L507163-03 (SV8270PAHSIM) - Diluted due to analyst error--too much I.S. injected



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Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-3-7
 Collected By : D. Reynolds
 Collection Date : 03/15/11 14:00

ESC Sample # : L507163-03
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,3-Dichloropropane	BDL	0.0070	mg/kg	8260B	03/21/11	5
cis-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	03/21/11	5
trans-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	03/21/11	5
2,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	03/21/11	5
Di-isopropyl ether	BDL	0.0070	mg/kg	8260B	03/21/11	5
Ethylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Hexachloro-1,3-butadiene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Isopropylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
p-Isopropyltoluene	BDL	0.0070	mg/kg	8260B	03/21/11	5
2-Butanone (MEK)	BDL	0.070	mg/kg	8260B	03/21/11	5
Methylene Chloride	BDL	0.035	mg/kg	8260B	03/21/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.070	mg/kg	8260B	03/21/11	5
Methyl tert-butyl ether	BDL	0.0070	mg/kg	8260B	03/21/11	5
Naphthalene	BDL	0.035	mg/kg	8260B	03/21/11	5
n-Propylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Styrene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0070	mg/kg	8260B	03/21/11	5
Tetrachloroethene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Toluene	BDL	0.035	mg/kg	8260B	03/21/11	5
1,2,3-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,2,4-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1,1-Trichloroethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,1,2-Trichloroethane	BDL	0.0070	mg/kg	8260B	03/21/11	5
Trichloroethene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Trichlorofluoromethane	BDL	0.035	mg/kg	8260B	03/21/11	5
1,2,3-Trichloropropane	BDL	0.018	mg/kg	8260B	03/21/11	5
1,2,4-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,2,3-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
1,3,5-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	03/21/11	5
Vinyl chloride	BDL	0.0070	mg/kg	8260B	03/21/11	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	03/21/11	5
Surrogate Recovery						
Toluene-d8	99.7		% Rec.	8260B	03/21/11	5
Dibromofluoromethane	102.		% Rec.	8260B	03/21/11	5
4-Bromofluorobenzene	98.8		% Rec.	8260B	03/21/11	5
Diesel Range Organics (DRO)	BDL	5.6	mg/kg	NWTPHDX	03/23/11	1
Residual Range Organics (RRO)	BDL	14.	mg/kg	NWTPHDX	03/23/11	1
Surrogate Recovery						
o-Terphenyl	82.7		% Rec.	NWTPHDX	03/23/11	1

Polynuclear Aromatic Hydrocarbons

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-3-7
Collected By : D. Reynolds
Collection Date : 03/15/11 14:00

ESC Sample # : L507163-03
Site ID : SUNNYSIDE, WA
Project # : 97156

Table with 7 columns: Parameter, Dry Result, Det. Limit, Units, Method, Date, Dil. Lists various chemical compounds and their detection results.

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 03/28/11 16:44 Printed: 03/28/11 16:59

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Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-4-7
Collected By : D. Reynolds
Collection Date : 03/15/11 15:30

ESC Sample # : L507163-04
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	120	2.9	mg/kg	9056	03/22/11	2
Ammonia Nitrogen	BDL	7.2	mg/kg	350.1	03/25/11	1
Total Solids	69.		%	2540G	03/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.72	mg/kg	NWTPHGX	03/21/11	5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	98.4		% Rec.	NWTPHGX	03/21/11	5
Volatile Organics						
Acetone	BDL	0.36	mg/kg	8260B	03/21/11	5
Acrylonitrile	BDL	0.072	mg/kg	8260B	03/21/11	5
Benzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Bromobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Bromodichloromethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
Bromoform	BDL	0.0072	mg/kg	8260B	03/21/11	5
Bromomethane	BDL	0.036	mg/kg	8260B	03/21/11	5
n-Butylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
sec-Butylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
tert-Butylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Carbon tetrachloride	BDL	0.0072	mg/kg	8260B	03/21/11	5
Chlorobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Chlorodibromomethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
Chloroethane	BDL	0.036	mg/kg	8260B	03/21/11	5
2-Chloroethyl vinyl ether	BDL	0.36	mg/kg	8260B	03/21/11	5
Chloroform	BDL	0.036	mg/kg	8260B	03/21/11	5
Chloromethane	BDL	0.018	mg/kg	8260B	03/21/11	5
2-Chlorotoluene	BDL	0.0072	mg/kg	8260B	03/21/11	5
4-Chlorotoluene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.036	mg/kg	8260B	03/21/11	5
1,2-Dibromoethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
Dibromomethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,2-Dichlorobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,3-Dichlorobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,4-Dichlorobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Dichlorodifluoromethane	BDL	0.036	mg/kg	8260B	03/21/11	5
1,1-Dichloroethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,2-Dichloroethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1-Dichloroethene	BDL	0.0072	mg/kg	8260B	03/21/11	5
cis-1,2-Dichloroethene	BDL	0.0072	mg/kg	8260B	03/21/11	5
trans-1,2-Dichloroethene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,2-Dichloropropane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1-Dichloropropene	BDL	0.0072	mg/kg	8260B	03/21/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-4-7
 Collected By : D. Reynolds
 Collection Date : 03/15/11 15:30

ESC Sample # : L507163-04
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,3-Dichloropropane	BDL	0.0072	mg/kg	8260B	03/21/11	5
cis-1,3-Dichloropropene	BDL	0.0072	mg/kg	8260B	03/21/11	5
trans-1,3-Dichloropropene	BDL	0.0072	mg/kg	8260B	03/21/11	5
2,2-Dichloropropane	BDL	0.0072	mg/kg	8260B	03/21/11	5
Di-isopropyl ether	BDL	0.0072	mg/kg	8260B	03/21/11	5
Ethylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Hexachloro-1,3-butadiene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Isopropylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
p-Isopropyltoluene	BDL	0.0072	mg/kg	8260B	03/21/11	5
2-Butanone (MEK)	BDL	0.072	mg/kg	8260B	03/21/11	5
Methylene Chloride	BDL	0.036	mg/kg	8260B	03/21/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.072	mg/kg	8260B	03/21/11	5
Methyl tert-butyl ether	BDL	0.0072	mg/kg	8260B	03/21/11	5
Naphthalene	BDL	0.036	mg/kg	8260B	03/21/11	5
n-Propylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Styrene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0072	mg/kg	8260B	03/21/11	5
Tetrachloroethene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Toluene	BDL	0.036	mg/kg	8260B	03/21/11	5
1,2,3-Trichlorobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,2,4-Trichlorobenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1,1-Trichloroethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,1,2-Trichloroethane	BDL	0.0072	mg/kg	8260B	03/21/11	5
Trichloroethene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Trichlorofluoromethane	BDL	0.036	mg/kg	8260B	03/21/11	5
1,2,3-Trichloropropane	BDL	0.018	mg/kg	8260B	03/21/11	5
1,2,4-Trimethylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,2,3-Trimethylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
1,3,5-Trimethylbenzene	BDL	0.0072	mg/kg	8260B	03/21/11	5
Vinyl chloride	BDL	0.0072	mg/kg	8260B	03/21/11	5
Xylenes, Total	BDL	0.022	mg/kg	8260B	03/21/11	5
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	8260B	03/21/11	5
Dibromofluoromethane	100.		% Rec.	8260B	03/21/11	5
4-Bromofluorobenzene	102.		% Rec.	8260B	03/21/11	5
Diesel Range Organics (DRO)	BDL	5.8	mg/kg	NWTPHDX	03/23/11	1
Residual Range Organics (RRO)	BDL	14.	mg/kg	NWTPHDX	03/23/11	1
Surrogate Recovery						
o-Terphenyl	76.4		% Rec.	NWTPHDX	03/23/11	1

Polynuclear Aromatic Hydrocarbons

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-4-7
 Collected By : D. Reynolds
 Collection Date : 03/15/11 15:30

ESC Sample # : L507163-04
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Chrysene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Fluorene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Pyrene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.0087	mg/kg	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	77.2		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	79.8		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	55.7		% Rec.	8270C-SIM	03/23/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-5-7
Collected By : D. Reynolds
Collection Date : 03/16/11 09:00

ESC Sample # : L507163-05
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	550	13.	mg/kg	9056	03/22/11	10
Ammonia Nitrogen	2000	13.	mg/kg	350.1	03/25/11	2
Total Solids	76.		%	2540G	03/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.66	mg/kg	NWTPHGX	03/21/11	5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	03/21/11	5
Volatile Organics						
Acetone	BDL	0.33	mg/kg	8260B	03/21/11	5
Acrylonitrile	BDL	0.066	mg/kg	8260B	03/21/11	5
Benzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Bromobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Bromodichloromethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
Bromoform	BDL	0.0066	mg/kg	8260B	03/21/11	5
Bromomethane	BDL	0.033	mg/kg	8260B	03/21/11	5
n-Butylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
sec-Butylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
tert-Butylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Carbon tetrachloride	BDL	0.0066	mg/kg	8260B	03/21/11	5
Chlorobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Chlorodibromomethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
Chloroethane	BDL	0.033	mg/kg	8260B	03/21/11	5
2-Chloroethyl vinyl ether	BDL	0.33	mg/kg	8260B	03/21/11	5
Chloroform	BDL	0.033	mg/kg	8260B	03/21/11	5
Chloromethane	BDL	0.016	mg/kg	8260B	03/21/11	5
2-Chlorotoluene	0.010	0.0066	mg/kg	8260B	03/21/11	5
4-Chlorotoluene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.033	mg/kg	8260B	03/21/11	5
1,2-Dibromoethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
Dibromomethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,2-Dichlorobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,3-Dichlorobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,4-Dichlorobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Dichlorodifluoromethane	BDL	0.033	mg/kg	8260B	03/21/11	5
1,1-Dichloroethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,2-Dichloroethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1-Dichloroethene	BDL	0.0066	mg/kg	8260B	03/21/11	5
cis-1,2-Dichloroethene	BDL	0.0066	mg/kg	8260B	03/21/11	5
trans-1,2-Dichloroethene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,2-Dichloropropane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1-Dichloropropene	BDL	0.0066	mg/kg	8260B	03/21/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-5-7
 Collected By : D. Reynolds
 Collection Date : 03/16/11 09:00

ESC Sample # : L507163-05
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,3-Dichloropropane	BDL	0.0066	mg/kg	8260B	03/21/11	5
cis-1,3-Dichloropropene	BDL	0.0066	mg/kg	8260B	03/21/11	5
trans-1,3-Dichloropropene	BDL	0.0066	mg/kg	8260B	03/21/11	5
2,2-Dichloropropane	BDL	0.0066	mg/kg	8260B	03/21/11	5
Di-isopropyl ether	BDL	0.0066	mg/kg	8260B	03/21/11	5
Ethylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Hexachloro-1,3-butadiene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Isopropylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
p-Isopropyltoluene	BDL	0.0066	mg/kg	8260B	03/21/11	5
2-Butanone (MEK)	BDL	0.066	mg/kg	8260B	03/21/11	5
Methylene Chloride	BDL	0.033	mg/kg	8260B	03/21/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.066	mg/kg	8260B	03/21/11	5
Methyl tert-butyl ether	BDL	0.0066	mg/kg	8260B	03/21/11	5
Naphthalene	BDL	0.033	mg/kg	8260B	03/21/11	5
n-Propylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Styrene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0066	mg/kg	8260B	03/21/11	5
Tetrachloroethene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Toluene	BDL	0.033	mg/kg	8260B	03/21/11	5
1,2,3-Trichlorobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,2,4-Trichlorobenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1,1-Trichloroethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,1,2-Trichloroethane	BDL	0.0066	mg/kg	8260B	03/21/11	5
Trichloroethene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Trichlorofluoromethane	BDL	0.033	mg/kg	8260B	03/21/11	5
1,2,3-Trichloropropane	BDL	0.016	mg/kg	8260B	03/21/11	5
1,2,4-Trimethylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,2,3-Trimethylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
1,3,5-Trimethylbenzene	BDL	0.0066	mg/kg	8260B	03/21/11	5
Vinyl chloride	BDL	0.0066	mg/kg	8260B	03/21/11	5
Xylenes, Total	BDL	0.020	mg/kg	8260B	03/21/11	5
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	03/21/11	5
Dibromofluoromethane	101.		% Rec.	8260B	03/21/11	5
4-Bromofluorobenzene	101.		% Rec.	8260B	03/21/11	5
Diesel Range Organics (DRO)	11.	5.3	mg/kg	NWTPHDX	03/23/11	1
Residual Range Organics (RRO)	19.	13.	mg/kg	NWTPHDX	03/23/11	1
Surrogate Recovery						
o-Terphenyl	78.4		% Rec.	NWTPHDX	03/23/11	1

Polynuclear Aromatic Hydrocarbons

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-5-7
 Collected By : D. Reynolds
 Collection Date : 03/16/11 09:00

ESC Sample # : L507163-05
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Chrysene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Fluorene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Pyrene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.0079	mg/kg	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	63.7		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	67.1		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	47.5		% Rec.	8270C-SIM	03/23/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L507163-06

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-SC

Project : 97156

Collected By : D. Reynolds
Collection Date : 03/16/11 12:00

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	03/23/11 0742	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	03/23/11 2154	MMH	1
Arsenic	BDL	0.050	mg/l	5.0	6010B	03/23/11 2146	ESC	1
Barium	0.37	0.15	mg/l	100	6010B	03/23/11 2146	ESC	1
Cadmium	BDL	0.050	mg/l	1.0	6010B	03/23/11 2146	ESC	1
Chromium	BDL	0.050	mg/l	5.0	6010B	03/23/11 2146	ESC	1
Lead	BDL	0.050	mg/l	5.0	6010B	03/23/11 2146	ESC	1
Selenium	BDL	0.050	mg/l	1.0	6010B	03/23/11 2146	ESC	1
Silver	BDL	0.050	mg/l	5.0	6010B	03/23/11 2146	ESC	1
TCLP ZHE Extraction	-				1311	03/22/11 0740	LJN	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	03/22/11 1650	JAH	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	03/22/11 1650	JAH	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	03/22/11 1650	JAH	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	03/22/11 1650	JAH	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	03/22/11 1650	JAH	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	03/22/11 1650	JAH	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	03/22/11 1650	JAH	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	03/22/11 1650	JAH	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	03/22/11 1650	JAH	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	03/22/11 1650	JAH	1
Surrogate Recovery								
Toluene-d8	110.		% Rec.	114.	8260B	03/22/11 1650	JAH	1
Dibromofluoromethane	116.		% Rec.	125.	8260B	03/22/11 1650	JAH	1
a,a,a-Trifluorotoluene	110.		% Rec.	114.	8260B	03/22/11 1650	JAH	1
4-Bromofluorobenzene	103.		% Rec.	128.	8260B	03/22/11 1650	JAH	1
TCLP Pesticides								
Chlordane	BDL	0.0050	mg/l	0.030	8081A	03/26/11 1718	ADF	1
Endrin	BDL	0.0050	mg/l	0.020	8081A	03/26/11 1718	ADF	1
Heptachlor	BDL	0.0050	mg/l	0.0080	8081A	03/26/11 1718	ADF	1
Lindane	BDL	0.0050	mg/l	0.40	8081A	03/26/11 1718	ADF	1
Methoxychlor	BDL	0.0050	mg/l	10.	8081A	03/26/11 1718	ADF	1
Toxaphene	BDL	0.010	mg/l	0.50	8081A	03/26/11 1718	ADF	1
Surrogate Recovery								
Decachlorobiphenyl	85.4		% Rec.	123.	8081A	03/26/11 1718	ADF	1
Tetrachloro-m-xylene	85.4		% Rec.	114.	8081A	03/26/11 1718	ADF	1
TCLP Herbicides								
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	1.0	8151A	03/25/11 0042	KLM	1



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L507163-06

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-SC

Project : 97156

Collected By : D. Reynolds
Collection Date : 03/16/11 12:00

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
2,4-D	BDL	0.0020	mg/l	10.	8151A	03/25/11 0042	KLM	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	96.6		% Rec.		8151A	03/25/11 0042	KLM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	03/25/11 1458	JAB	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	03/25/11 1458	JAB	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	03/25/11 1458	JAB	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	03/25/11 1458	JAB	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	03/25/11 1458	JAB	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	03/25/11 1458	JAB	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	03/25/11 1458	JAB	1
3&4-Methyl Phenol	BDL	0.10	mg/l	400	8270C	03/25/11 1458	JAB	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	03/25/11 1458	JAB	1
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	03/25/11 1458	JAB	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	03/25/11 1458	JAB	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	03/25/11 1458	JAB	1
Surrogate Recovery								
2-Fluorophenol	42.1		% Rec.	87.0	8270C	03/25/11 1458	JAB	1
Phenol-d5	37.5		% Rec.	67.0	8270C	03/25/11 1458	JAB	1
Nitrobenzene-d5	83.5		% Rec.	120.	8270C	03/25/11 1458	JAB	1
2-Fluorobiphenyl	100.		% Rec.	122.	8270C	03/25/11 1458	JAB	1
2,4,6-Tribromophenol	108.		% Rec.	148.	8270C	03/25/11 1458	JAB	1
p-Terphenyl-d14	142.		% Rec.	149.	8270C	03/25/11 1458	JAB	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit(EQL)

Limit - Maximum Contaminant Level as established by the US EPA

Note:

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-1
 Collected By : D. Reynolds
 Collection Date : 03/17/11 09:30

ESC Sample # : L507163-07
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.52	0.10	mg/l	350.1	03/25/11	1
Nitrate-Nitrite	8.3	0.10	mg/l	353.2	03/25/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	03/24/11	1
Arsenic, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Barium, Dissolved	0.065	0.0050	mg/l	6010B	03/25/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Lead, Dissolved	0.011	0.0050	mg/l	6010B	03/25/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	03/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	103.		% Rec.	NWTPHGX	03/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	03/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	03/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	03/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	03/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	03/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	03/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	03/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-1
 Collected By : D. Reynolds
 Collection Date : 03/17/11 09:30

ESC Sample # : L507163-07
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	03/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	03/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	03/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichloroethene	0.0033	0.0010	mg/l	8260B	03/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	03/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	03/22/11	1
Surrogate Recovery						
Toluene-d8	98.1		% Rec.	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-07

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-1

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	110.		% Rec.	8260B	03/22/11	1
4-Bromofluorobenzene	90.7		% Rec.	8260B	03/22/11	1
Diesel Range Organics (DRO)	BDL	0.13	mg/l	NWTPHDX	03/23/11	1.3
Residual Range Organics (RRO)	BDL	0.32	mg/l	NWTPHDX	03/23/11	1.3
Surrogate Recovery						
o-Terphenyl	91.8		% Rec.	NWTPHDX	03/23/11	1.3
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	112.		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	91.5		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	95.7		% Rec.	8270C-SIM	03/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	03/24/11	1
Dalapon	BDL	0.20	mg/l	8151	03/24/11	1
2,4-DB	BDL	0.0020	mg/l	8151	03/24/11	1
Dicamba	BDL	0.0020	mg/l	8151	03/24/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	03/24/11	1
Dinoseb	BDL	0.0020	mg/l	8151	03/24/11	1
MCPA	BDL	0.10	mg/l	8151	03/24/11	1
MCPP	BDL	0.10	mg/l	8151	03/24/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	03/24/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	03/24/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-1
Collected By : D. Reynolds
Collection Date : 03/17/11 09:30

ESC Sample # : L507163-07
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	11.0		% Rec.	8151	03/24/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-08

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-2

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 11:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.17	0.10	mg/l	350.1	03/25/11	1
Nitrate-Nitrite	7.1	0.10	mg/l	353.2	03/25/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	03/24/11	1
Arsenic, Dissolved	0.058	0.020	mg/l	6010B	03/25/11	1
Barium, Dissolved	0.037	0.0050	mg/l	6010B	03/25/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	03/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	03/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	03/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	03/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	03/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	03/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	03/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	03/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	03/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-08

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-2

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 11:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	03/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	03/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	03/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichloroethene	0.0016	0.0010	mg/l	8260B	03/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	03/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	03/22/11	1
Surrogate Recovery						
Toluene-d8	98.2		% Rec.	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-08

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-2

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 11:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	112.		% Rec.	8260B	03/22/11	1
4-Bromofluorobenzene	89.8		% Rec.	8260B	03/22/11	1
Diesel Range Organics (DRO)	BDL	0.13	mg/l	NWTPHDX	03/23/11	1.3
Residual Range Organics (RRO)	BDL	0.32	mg/l	NWTPHDX	03/23/11	1.3
Surrogate Recovery						
o-Terphenyl	95.3		% Rec.	NWTPHDX	03/23/11	1.3
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	106.		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	89.0		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	90.4		% Rec.	8270C-SIM	03/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	03/24/11	1
Dalapon	BDL	0.20	mg/l	8151	03/24/11	1
2,4-DB	BDL	0.0020	mg/l	8151	03/24/11	1
Dicamba	BDL	0.0020	mg/l	8151	03/24/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	03/24/11	1
Dinoseb	BDL	0.0020	mg/l	8151	03/24/11	1
MCPA	BDL	0.10	mg/l	8151	03/24/11	1
MCPP	BDL	0.10	mg/l	8151	03/24/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	03/24/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	03/24/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-2
Collected By : D. Reynolds
Collection Date : 03/17/11 11:00

ESC Sample # : L507163-08
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	7.62		% Rec.	8151	03/24/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-09

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-3

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.15	0.10	mg/l	350.1	03/25/11	1
Nitrate-Nitrite	7.0	0.10	mg/l	353.2	03/25/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	03/24/11	1
Arsenic, Dissolved	0.027	0.020	mg/l	6010B	03/25/11	1
Barium, Dissolved	0.072	0.0050	mg/l	6010B	03/25/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Lead, Dissolved	0.027	0.0050	mg/l	6010B	03/25/11	1
Selenium, Dissolved	0.036	0.020	mg/l	6010B	03/25/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	03/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	03/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	03/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	03/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	03/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	03/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	03/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	03/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	03/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-09

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-3

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	03/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	03/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	03/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichloroethene	0.0010	0.0010	mg/l	8260B	03/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	03/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	03/22/11	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-09

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-3

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	112.		% Rec.	8260B	03/22/11	1
4-Bromofluorobenzene	90.2		% Rec.	8260B	03/22/11	1
Diesel Range Organics (DRO)	BDL	0.13	mg/l	NWTPHDX	03/23/11	1.3
Residual Range Organics (RRO)	BDL	0.32	mg/l	NWTPHDX	03/23/11	1.3
Surrogate Recovery						
o-Terphenyl	90.7		% Rec.	NWTPHDX	03/23/11	1.3
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	110.		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	89.5		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	88.6		% Rec.	8270C-SIM	03/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	03/24/11	1
Dalapon	BDL	0.20	mg/l	8151	03/24/11	1
2,4-DB	BDL	0.0020	mg/l	8151	03/24/11	1
Dicamba	BDL	0.0020	mg/l	8151	03/24/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	03/24/11	1
Dinoseb	BDL	0.0020	mg/l	8151	03/24/11	1
MCPA	BDL	0.10	mg/l	8151	03/24/11	1
MCPP	BDL	0.10	mg/l	8151	03/24/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	03/24/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	03/24/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-3
Collected By : D. Reynolds
Collection Date : 03/17/11 12:30

ESC Sample # : L507163-09
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	8.68		% Rec.	8151	03/24/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-10

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-4

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.24	0.10	mg/l	350.1	03/25/11	1
Nitrate-Nitrite	14.	0.20	mg/l	353.2	03/25/11	2
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	03/24/11	1
Arsenic, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Barium, Dissolved	0.054	0.0050	mg/l	6010B	03/25/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Lead, Dissolved	0.012	0.0050	mg/l	6010B	03/25/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	03/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	105.		% Rec.	NWTPHGX	03/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	03/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	03/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	03/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	03/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	03/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	03/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	03/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	03/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-4
 Collected By : D. Reynolds
 Collection Date : 03/17/11 14:00

ESC Sample # : L507163-10
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2-Dichloropropane	0.014	0.0010	mg/l	8260B	03/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	03/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	03/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	03/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	03/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	03/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	03/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	03/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	03/22/11	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	03/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-10

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-4

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	111.		% Rec.	8260B	03/22/11	1
4-Bromofluorobenzene	87.8		% Rec.	8260B	03/22/11	1
Diesel Range Organics (DRO)	BDL	0.13	mg/l	NWTPHDX	03/23/11	1.3
Residual Range Organics (RRO)	BDL	0.32	mg/l	NWTPHDX	03/23/11	1.3
Surrogate Recovery						
o-Terphenyl	90.3		% Rec.	NWTPHDX	03/23/11	1.3
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	101.		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	84.1		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	81.6		% Rec.	8270C-SIM	03/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	03/24/11	1
Dalapon	BDL	0.20	mg/l	8151	03/24/11	1
2,4-DB	BDL	0.0020	mg/l	8151	03/24/11	1
Dicamba	BDL	0.0020	mg/l	8151	03/24/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	03/24/11	1
Dinoseb	BDL	0.0020	mg/l	8151	03/24/11	1
MCPA	BDL	0.10	mg/l	8151	03/24/11	1
MCPP	BDL	0.10	mg/l	8151	03/24/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	03/24/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	03/24/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-4
Collected By : D. Reynolds
Collection Date : 03/17/11 14:00

ESC Sample # : L507163-10
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	7.50		% Rec.	8151	03/24/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-5
 Collected By : D. Reynolds
 Collection Date : 03/17/11 15:30

ESC Sample # : L507163-11
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	860	10.	mg/l	350.1	03/25/11	100
Nitrate-Nitrite	530	10.	mg/l	353.2	03/25/11	100
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	03/24/11	1
Arsenic, Dissolved	0.074	0.020	mg/l	6010B	03/25/11	1
Barium, Dissolved	0.12	0.0050	mg/l	6010B	03/25/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Lead, Dissolved	0.0074	0.0050	mg/l	6010B	03/25/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Gasoline Range Organics-NWTPH	1.5	0.10	mg/l	NWTPHGX	03/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	97.4		% Rec.	NWTPHGX	03/22/11	1
Volatile Organics						
Acetone	BDL	0.25	mg/l	8260B	03/22/11	5
Acrolein	BDL	0.25	mg/l	8260B	03/22/11	5
Acrylonitrile	BDL	0.050	mg/l	8260B	03/22/11	5
Benzene	0.18	0.0050	mg/l	8260B	03/22/11	5
Bromobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Bromodichloromethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Bromoform	BDL	0.0050	mg/l	8260B	03/22/11	5
Bromomethane	BDL	0.025	mg/l	8260B	03/22/11	5
n-Butylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
sec-Butylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
tert-Butylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Carbon tetrachloride	BDL	0.0050	mg/l	8260B	03/22/11	5
Chlorobenzene	0.0056	0.0050	mg/l	8260B	03/22/11	5
Chlorodibromomethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Chloroethane	BDL	0.025	mg/l	8260B	03/22/11	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/l	8260B	03/22/11	5
Chloroform	BDL	0.025	mg/l	8260B	03/22/11	5
Chloromethane	BDL	0.012	mg/l	8260B	03/22/11	5
2-Chlorotoluene	BDL	0.0050	mg/l	8260B	03/22/11	5
4-Chlorotoluene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/l	8260B	03/22/11	5
1,2-Dibromoethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Dibromomethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,3-Dichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-5
 Collected By : D. Reynolds
 Collection Date : 03/17/11 15:30

ESC Sample # : L507163-11
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Dichlorodifluoromethane	BDL	0.025	mg/l	8260B	03/22/11	5
1,1-Dichloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dichloroethane	0.18	0.0050	mg/l	8260B	03/22/11	5
1,1-Dichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dichloropropane	0.012	0.0050	mg/l	8260B	03/22/11	5
1,1-Dichloropropene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,3-Dichloropropane	BDL	0.0050	mg/l	8260B	03/22/11	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	03/22/11	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	03/22/11	5
2,2-Dichloropropane	BDL	0.0050	mg/l	8260B	03/22/11	5
Di-isopropyl ether	BDL	0.0050	mg/l	8260B	03/22/11	5
Ethylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/l	8260B	03/22/11	5
Isopropylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
p-Isopropyltoluene	BDL	0.0050	mg/l	8260B	03/22/11	5
2-Butanone (MEK)	BDL	0.050	mg/l	8260B	03/22/11	5
Methylene Chloride	BDL	0.025	mg/l	8260B	03/22/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/l	8260B	03/22/11	5
Methyl tert-butyl ether	BDL	0.0050	mg/l	8260B	03/22/11	5
Naphthalene	BDL	0.025	mg/l	8260B	03/22/11	5
n-Propylbenzene	0.0068	0.0050	mg/l	8260B	03/22/11	5
Styrene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/l	8260B	03/22/11	5
Tetrachloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
Toluene	BDL	0.025	mg/l	8260B	03/22/11	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,1-Trichloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,2-Trichloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Trichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
Trichlorofluoromethane	BDL	0.025	mg/l	8260B	03/22/11	5
1,2,3-Trichloropropane	BDL	0.012	mg/l	8260B	03/22/11	5
1,2,4-Trimethylbenzene	0.082	0.0050	mg/l	8260B	03/22/11	5
1,2,3-Trimethylbenzene	0.024	0.0050	mg/l	8260B	03/22/11	5
1,3,5-Trimethylbenzene	0.024	0.0050	mg/l	8260B	03/22/11	5
Vinyl chloride	BDL	0.0050	mg/l	8260B	03/22/11	5
Xylenes, Total	0.25	0.015	mg/l	8260B	03/22/11	5
Surrogate Recovery						
Toluene-d8	96.2		% Rec.	8260B	03/22/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-11

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-5

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 15:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	101.		% Rec.	8260B	03/22/11	5
4-Bromofluorobenzene	95.2		% Rec.	8260B	03/22/11	5
Diesel Range Organics (DRO)	1.5	0.13	mg/l	NWTPHDX	03/23/11	1.3
Residual Range Organics (RRO)	BDL	0.32	mg/l	NWTPHDX	03/23/11	1.3
Surrogate Recovery						
o-Terphenyl	392.		% Rec.	NWTPHDX	03/23/11	1.3
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Naphthalene	0.026	0.00025	mg/l	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
1-Methylnaphthalene	0.0044	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Methylnaphthalene	0.0061	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	116.		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	84.8		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	87.7		% Rec.	8270C-SIM	03/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	03/25/11	1
Dalapon	BDL	0.20	mg/l	8151	03/25/11	1
2,4-DB	BDL	0.0020	mg/l	8151	03/25/11	1
Dicamba	BDL	0.0020	mg/l	8151	03/25/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	03/25/11	1
Dinoseb	0.0088	0.0020	mg/l	8151	03/25/11	1
MCPA	BDL	0.10	mg/l	8151	03/25/11	1
MCPP	BDL	0.10	mg/l	8151	03/25/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	03/25/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	03/25/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-5
Collected By : D. Reynolds
Collection Date : 03/17/11 15:30

ESC Sample # : L507163-11
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	14.6		% Rec.	8151	03/25/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-12

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-6

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 17:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	750	10.	mg/l	350.1	03/25/11	100
Nitrate-Nitrite	640	10.	mg/l	353.2	03/25/11	100
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	03/24/11	1
Arsenic, Dissolved	0.077	0.020	mg/l	6010B	03/25/11	1
Barium, Dissolved	0.13	0.0050	mg/l	6010B	03/25/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	03/25/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Lead, Dissolved	0.013	0.0050	mg/l	6010B	03/25/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	03/25/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	03/25/11	1
Gasoline Range Organics-NWTPH	1.3	0.10	mg/l	NWTPHGX	03/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	102.		% Rec.	NWTPHGX	03/22/11	1
Volatile Organics						
Acetone	BDL	0.25	mg/l	8260B	03/22/11	5
Acrolein	BDL	0.25	mg/l	8260B	03/22/11	5
Acrylonitrile	BDL	0.050	mg/l	8260B	03/22/11	5
Benzene	0.19	0.0050	mg/l	8260B	03/22/11	5
Bromobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Bromodichloromethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Bromoform	BDL	0.0050	mg/l	8260B	03/22/11	5
Bromomethane	BDL	0.025	mg/l	8260B	03/22/11	5
n-Butylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
sec-Butylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
tert-Butylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Carbon tetrachloride	BDL	0.0050	mg/l	8260B	03/22/11	5
Chlorobenzene	0.0055	0.0050	mg/l	8260B	03/22/11	5
Chlorodibromomethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Chloroethane	BDL	0.025	mg/l	8260B	03/22/11	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/l	8260B	03/22/11	5
Chloroform	BDL	0.025	mg/l	8260B	03/22/11	5
Chloromethane	BDL	0.012	mg/l	8260B	03/22/11	5
2-Chlorotoluene	BDL	0.0050	mg/l	8260B	03/22/11	5
4-Chlorotoluene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/l	8260B	03/22/11	5
1,2-Dibromoethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Dibromomethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,3-Dichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : MW-6
 Collected By : D. Reynolds
 Collection Date : 03/17/11 17:00

ESC Sample # : L507163-12
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Dichlorodifluoromethane	BDL	0.025	mg/l	8260B	03/22/11	5
1,1-Dichloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dichloroethane	0.18	0.0050	mg/l	8260B	03/22/11	5
1,1-Dichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2-Dichloropropane	0.014	0.0050	mg/l	8260B	03/22/11	5
1,1-Dichloropropene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,3-Dichloropropane	BDL	0.0050	mg/l	8260B	03/22/11	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	03/22/11	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	03/22/11	5
2,2-Dichloropropane	BDL	0.0050	mg/l	8260B	03/22/11	5
Di-isopropyl ether	BDL	0.0050	mg/l	8260B	03/22/11	5
Ethylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/l	8260B	03/22/11	5
Isopropylbenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
p-Isopropyltoluene	BDL	0.0050	mg/l	8260B	03/22/11	5
2-Butanone (MEK)	BDL	0.050	mg/l	8260B	03/22/11	5
Methylene Chloride	BDL	0.025	mg/l	8260B	03/22/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/l	8260B	03/22/11	5
Methyl tert-butyl ether	BDL	0.0050	mg/l	8260B	03/22/11	5
Naphthalene	BDL	0.025	mg/l	8260B	03/22/11	5
n-Propylbenzene	0.0068	0.0050	mg/l	8260B	03/22/11	5
Styrene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/l	8260B	03/22/11	5
Tetrachloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
Toluene	BDL	0.025	mg/l	8260B	03/22/11	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,1-Trichloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
1,1,2-Trichloroethane	BDL	0.0050	mg/l	8260B	03/22/11	5
Trichloroethene	BDL	0.0050	mg/l	8260B	03/22/11	5
Trichlorofluoromethane	BDL	0.025	mg/l	8260B	03/22/11	5
1,2,3-Trichloropropane	BDL	0.012	mg/l	8260B	03/22/11	5
1,2,4-Trimethylbenzene	0.081	0.0050	mg/l	8260B	03/22/11	5
1,2,3-Trimethylbenzene	0.024	0.0050	mg/l	8260B	03/22/11	5
1,3,5-Trimethylbenzene	0.023	0.0050	mg/l	8260B	03/22/11	5
Vinyl chloride	BDL	0.0050	mg/l	8260B	03/22/11	5
Xylenes, Total	0.25	0.015	mg/l	8260B	03/22/11	5
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	03/22/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L507163-12

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : MW-6

Project # : 97156

Collected By : D. Reynolds
 Collection Date : 03/17/11 17:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	101.		% Rec.	8260B	03/22/11	5
4-Bromofluorobenzene	93.9		% Rec.	8260B	03/22/11	5
Diesel Range Organics (DRO)	1.5	0.13	mg/l	NWTPHDX	03/23/11	1.3
Residual Range Organics (RRO)	BDL	0.32	mg/l	NWTPHDX	03/23/11	1.3
Surrogate Recovery						
o-Terphenyl	342.		% Rec.	NWTPHDX	03/23/11	1.3
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Naphthalene	0.023	0.00025	mg/l	8270C-SIM	03/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	03/23/11	1
1-Methylnaphthalene	0.0040	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Methylnaphthalene	0.0054	0.00025	mg/l	8270C-SIM	03/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	03/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	109.		% Rec.	8270C-SIM	03/23/11	1
2-Fluorobiphenyl	77.8		% Rec.	8270C-SIM	03/23/11	1
p-Terphenyl-d14	68.5		% Rec.	8270C-SIM	03/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	03/25/11	1
Dalapon	BDL	0.20	mg/l	8151	03/25/11	1
2,4-DB	BDL	0.0020	mg/l	8151	03/25/11	1
Dicamba	BDL	0.0020	mg/l	8151	03/25/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	03/25/11	1
Dinoseb	0.0072	0.0020	mg/l	8151	03/25/11	1
MCPA	BDL	0.10	mg/l	8151	03/25/11	1
MCPP	BDL	0.10	mg/l	8151	03/25/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	03/25/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	03/25/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA
Sample ID : MW-6
Collected By : D. Reynolds
Collection Date : 03/17/11 17:00

ESC Sample # : L507163-12
Site ID : SUNNYSIDE, WA
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	10.3		% Rec.	8151	03/25/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

March 28, 2011

Dale Reynolds
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L507163-13

Date Received : March 19, 2011
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : TRIP BLANK

Project # : 97156

Collected By : D. Reynolds
Collection Date : 03/17/11 00:00

Table with 7 columns: Parameter, Result, Det. Limit, Units, Method, Date, Dil. Rows include Volatile Organics, Acetone, Acrolein, Acrylonitrile, Benzene, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chlorodibromomethane, Chloroethane, 2-Chloroethyl vinyl ether, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,1-Dichloropropene, 1,3-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 2,2-Dichloropropane, Di-isopropyl ether, Ethylbenzene, Hexachloro-1,3-butadiene, Isopropylbenzene, p-Isopropyltoluene.

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Dale Reynolds
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

March 28, 2011

Date Received : March 19, 2011
 Description : Simplot- Sunnyside, WA
 Sample ID : TRIP BLANK
 Collected By : D. Reynolds
 Collection Date : 03/17/11 00:00

ESC Sample # : L507163-13
 Site ID : SUNNYSIDE, WA
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	03/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	03/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	03/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	03/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	03/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	03/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	03/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	03/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	03/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	03/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	03/22/11	1
Surrogate Recovery						
Toluene-d8	98.2		% Rec.	8260B	03/22/11	1
Dibromofluoromethane	107.		% Rec.	8260B	03/22/11	1
4-Bromofluorobenzene	86.1		% Rec.	8260B	03/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L507163-01	WG526933	SAMP	Anthracene	R1623969	J4
L507163-02	WG526933	SAMP	Anthracene	R1623969	J4
L507163-03	WG526933	SAMP	Anthracene	R1623969	J40
	WG526933	SAMP	Acenaphthene	R1623969	O
	WG526933	SAMP	Acenaphthylene	R1623969	O
	WG526933	SAMP	Benzo(a)anthracene	R1623969	O
	WG526933	SAMP	Benzo(a)pyrene	R1623969	O
	WG526933	SAMP	Benzo(b)fluoranthene	R1623969	O
	WG526933	SAMP	Benzo(g,h,i)perylene	R1623969	O
	WG526933	SAMP	Benzo(k)fluoranthene	R1623969	O
	WG526933	SAMP	Chrysene	R1623969	O
	WG526933	SAMP	Dibenz(a,h)anthracene	R1623969	O
	WG526933	SAMP	Fluoranthene	R1623969	O
	WG526933	SAMP	Fluorene	R1623969	O
	WG526933	SAMP	Indeno(1,2,3-cd)pyrene	R1623969	O
	WG526933	SAMP	Naphthalene	R1623969	O
	WG526933	SAMP	Phenanthrene	R1623969	O
	WG526933	SAMP	Pyrene	R1623969	O
	WG526933	SAMP	1-Methylnaphthalene	R1623969	O
	WG526933	SAMP	2-Methylnaphthalene	R1623969	O
	WG526933	SAMP	2-Chloronaphthalene	R1623969	O
L507163-04	WG526933	SAMP	Anthracene	R1623969	J4
L507163-05	WG526933	SAMP	Anthracene	R1623969	J4
	WG527224	SAMP	Residual Range Organics (RRO)	R1622709	J6
L507163-06	WG527143	SAMP	2-Butanone (MEK)	R1621449	J3
L507163-07	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4
	WG527451	SAMP	2,4-D	R1625151	L3
	WG527451	SAMP	Dalapon	R1625151	L3
	WG527451	SAMP	2,4-DB	R1625151	L3
	WG527451	SAMP	Dicamba	R1625151	L3
	WG527451	SAMP	Dichloroprop	R1625151	L3
	WG527451	SAMP	Dinoseb	R1625151	L3
	WG527451	SAMP	MCPA	R1625151	L3
	WG527451	SAMP	MCPP	R1625151	L3
	WG527451	SAMP	2,4,5-T	R1625151	L3
	WG527451	SAMP	2,4,5-TP (Silvex)	R1625151	L3
	WG527451	SAMP	2,4-Dichlorophenyl Acetic Acid	R1625151	J2
L507163-08	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4
	WG527451	SAMP	2,4-D	R1625151	L2
	WG527451	SAMP	Dalapon	R1625151	L2
	WG527451	SAMP	2,4-DB	R1625151	L2
	WG527451	SAMP	Dicamba	R1625151	L2
	WG527451	SAMP	Dichloroprop	R1625151	L2
	WG527451	SAMP	Dinoseb	R1625151	L2
	WG527451	SAMP	MCPA	R1625151	L2
	WG527451	SAMP	MCPP	R1625151	L2
	WG527451	SAMP	2,4,5-T	R1625151	L2
	WG527451	SAMP	2,4,5-TP (Silvex)	R1625151	L2
	WG527451	SAMP	2,4-Dichlorophenyl Acetic Acid	R1625151	J2
L507163-09	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4
	WG527451	SAMP	2,4-D	R1625151	L2
	WG527451	SAMP	Dalapon	R1625151	L2
	WG527451	SAMP	2,4-DB	R1625151	L2
	WG527451	SAMP	Dicamba	R1625151	L2
	WG527451	SAMP	Dichloroprop	R1625151	L2
	WG527451	SAMP	Dinoseb	R1625151	L2
	WG527451	SAMP	MCPA	R1625151	L2
	WG527451	SAMP	MCPP	R1625151	L2
	WG527451	SAMP	2,4,5-T	R1625151	L2
	WG527451	SAMP	2,4,5-TP (Silvex)	R1625151	L2
	WG527451	SAMP	2,4-Dichlorophenyl Acetic Acid	R1625151	J2
L507163-10	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4
	WG527451	SAMP	2,4-D	R1625151	L2
	WG527451	SAMP	Dalapon	R1625151	L2
	WG527451	SAMP	2,4-DB	R1625151	L2
	WG527451	SAMP	Dicamba	R1625151	L2
	WG527451	SAMP	Dichloroprop	R1625151	L2
	WG527451	SAMP	Dinoseb	R1625151	L2
	WG527451	SAMP	MCPA	R1625151	L2
	WG527451	SAMP	MCPP	R1625151	L2
	WG527451	SAMP	2,4,5-T	R1625151	L2
	WG527451	SAMP	2,4,5-TP (Silvex)	R1625151	L2
	WG527451	SAMP	2,4-Dichlorophenyl Acetic Acid	R1625151	J2
L507163-11	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4
	WG527312	SAMP	Naphthalene	R1623573	E
	WG527226	SAMP	Diesel Range Organics (DRO)	R1623281	L3
	WG527226	SAMP	Residual Range Organics (RRO)	R1623281	L3
	WG527226	SAMP	o-Terphenyl	R1623281	J1
	WG527451	SAMP	2,4-D	R1625151	L3
	WG527451	SAMP	Dalapon	R1625151	L3
	WG527451	SAMP	2,4-DB	R1625151	L3
	WG527451	SAMP	Dicamba	R1625151	L3
	WG527451	SAMP	Dichloroprop	R1625151	L3
	WG527451	SAMP	Dinoseb	R1625151	L3
	WG527451	SAMP	MCPA	R1625151	L3
	WG527451	SAMP	MCPP	R1625151	L3
	WG527451	SAMP	2,4,5-T	R1625151	L3
	WG527451	SAMP	2,4,5-TP (Silvex)	R1625151	L3
	WG527451	SAMP	2,4-Dichlorophenyl Acetic Acid	R1625151	J2
L507163-12	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4
	WG527312	SAMP	Naphthalene	R1623573	E
	WG527312	SAMP	p-Terphenyl-d14	R1623573	J2
	WG527226	SAMP	Diesel Range Organics (DRO)	R1623281	L3
	WG527226	SAMP	Residual Range Organics (RRO)	R1623281	L3
	WG527226	SAMP	o-Terphenyl	R1623281	J1
	WG527451	SAMP	2,4-D	R1625151	L3
	WG527451	SAMP	Dalapon	R1625151	L3
	WG527451	SAMP	2,4-DB	R1625151	L3
	WG527451	SAMP	Dicamba	R1625151	L3
	WG527451	SAMP	Dichloroprop	R1625151	L3
	WG527451	SAMP	Dinoseb	R1625151	L3
	WG527451	SAMP	MCPA	R1625151	L3
	WG527451	SAMP	MCPP	R1625151	L3
	WG527451	SAMP	2,4,5-T	R1625151	L3
	WG527451	SAMP	2,4,5-TP (Silvex)	R1625151	L3
	WG527451	SAMP	2,4-Dichlorophenyl Acetic Acid	R1625151	J2
L507163-13	WG527090	SAMP	Acetone	R1622189	J4
	WG527090	SAMP	Acrylonitrile	R1622189	J4
	WG527090	SAMP	4-Methyl-2-pentanone (MIBK)	R1622189	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
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.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
L2	(ESC) The associated surrogate compound falls below 10%. The data should be used with caution. A re-extraction was not possible due to limited sample volume.
L3	(ESC) Sample reanalysis could not be performed due to lack of additional volume.

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 Difference.
- Surrogate** - Organic compounds that are similar in chemical composition, extraction, and chromatography 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.



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HDR - Boise, ID
 Dale Reynolds
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

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 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Gasoline Range Organics-NWTPH	< .1	mg/kg			WG526955	03/21/11 02:21
a,a,a-Trifluorotoluene(FID)		% Rec.	100.3	59-128	WG526955	03/21/11 02:21
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,1,1-Trichloroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,1,2-Trichloroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,1-Dichloroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,1-Dichloroethene	< .001	mg/kg			WG526895	03/21/11 00:26
1,1-Dichloropropene	< .001	mg/kg			WG526895	03/21/11 00:26
1,2,3-Trichlorobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,2,3-Trichloropropene	< .0025	mg/kg			WG526895	03/21/11 00:26
1,2,3-Trimethylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,2,4-Trichlorobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,2,4-Trimethylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,2-Dibromo-3-Chloropropene	< .005	mg/kg			WG526895	03/21/11 00:26
1,2-Dibromoethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,2-Dichlorobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,2-Dichloroethane	< .001	mg/kg			WG526895	03/21/11 00:26
1,2-Dichloropropene	< .001	mg/kg			WG526895	03/21/11 00:26
1,3,5-Trimethylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,3-Dichlorobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
1,3-Dichloropropene	< .001	mg/kg			WG526895	03/21/11 00:26
1,4-Dichlorobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
2,2-Dichloropropene	< .001	mg/kg			WG526895	03/21/11 00:26
2-Butanone (MEK)	< .01	mg/kg			WG526895	03/21/11 00:26
2-Chloroethyl vinyl ether	< .001	mg/kg			WG526895	03/21/11 00:26
2-Chlorotoluene	< .001	mg/kg			WG526895	03/21/11 00:26
4-Chlorotoluene	< .001	mg/kg			WG526895	03/21/11 00:26
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG526895	03/21/11 00:26
Acetone	< .05	mg/kg			WG526895	03/21/11 00:26
Acrylonitrile	< .01	mg/kg			WG526895	03/21/11 00:26
Benzene	< .001	mg/kg			WG526895	03/21/11 00:26
Bromobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Bromodichloromethane	< .001	mg/kg			WG526895	03/21/11 00:26
Bromoform	< .001	mg/kg			WG526895	03/21/11 00:26
Bromomethane	< .005	mg/kg			WG526895	03/21/11 00:26
Carbon tetrachloride	< .001	mg/kg			WG526895	03/21/11 00:26
Chlorobenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Chlorodibromomethane	< .001	mg/kg			WG526895	03/21/11 00:26
Chloroethane	< .005	mg/kg			WG526895	03/21/11 00:26
Chloroform	< .005	mg/kg			WG526895	03/21/11 00:26
Chloromethane	< .0025	mg/kg			WG526895	03/21/11 00:26
cis-1,2-Dichloroethene	< .001	mg/kg			WG526895	03/21/11 00:26
cis-1,3-Dichloropropene	< .001	mg/kg			WG526895	03/21/11 00:26
Di-isopropyl ether	< .001	mg/kg			WG526895	03/21/11 00:26
Dibromomethane	< .001	mg/kg			WG526895	03/21/11 00:26
Dichlorodifluoromethane	< .005	mg/kg			WG526895	03/21/11 00:26
Ethylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Hexachloro-1,3-butadiene	< .001	mg/kg			WG526895	03/21/11 00:26
Isopropylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Methyl tert-butyl ether	< .001	mg/kg			WG526895	03/21/11 00:26
Methylene Chloride	< .005	mg/kg			WG526895	03/21/11 00:26
n-Butylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
n-Propylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Naphthalene	< .005	mg/kg			WG526895	03/21/11 00:26
p-Isopropyltoluene	< .001	mg/kg			WG526895	03/21/11 00:26

* Performance of this Analyte is outside of established criteria.
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YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
sec-Butylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Styrene	< .001	mg/kg			WG526895	03/21/11 00:26
tert-Butylbenzene	< .001	mg/kg			WG526895	03/21/11 00:26
Tetrachloroethene	< .001	mg/kg			WG526895	03/21/11 00:26
Toluene	< .005	mg/kg			WG526895	03/21/11 00:26
trans-1,2-Dichloroethene	< .001	mg/kg			WG526895	03/21/11 00:26
trans-1,3-Dichloropropene	< .001	mg/kg			WG526895	03/21/11 00:26
Trichloroethene	< .001	mg/kg			WG526895	03/21/11 00:26
Trichlorofluoromethane	< .005	mg/kg			WG526895	03/21/11 00:26
Vinyl chloride	< .001	mg/kg			WG526895	03/21/11 00:26
Xylenes, Total	< .003	mg/kg			WG526895	03/21/11 00:26
4-Bromofluorobenzene		% Rec.	99.91	59-140	WG526895	03/21/11 00:26
Dibromofluoromethane		% Rec.	94.42	63-139	WG526895	03/21/11 00:26
Toluene-d8		% Rec.	99.31	84-116	WG526895	03/21/11 00:26
Nitrate	< 1	mg/kg			WG527019	03/22/11 04:08
1,1-Dichloroethene	< .05	mg/l			WG527143	03/22/11 12:26
1,2-Dichloroethane	< .05	mg/l			WG527143	03/22/11 12:26
2-Butanone (MEK)	< .5	mg/l			WG527143	03/22/11 12:26
Benzene	< .05	mg/l			WG527143	03/22/11 12:26
Carbon tetrachloride	< .05	mg/l			WG527143	03/22/11 12:26
Chlorobenzene	< .05	mg/l			WG527143	03/22/11 12:26
Chloroform	< .25	mg/l			WG527143	03/22/11 12:26
Tetrachloroethene	< .05	mg/l			WG527143	03/22/11 12:26
Trichloroethene	< .05	mg/l			WG527143	03/22/11 12:26
Vinyl chloride	< .05	mg/l			WG527143	03/22/11 12:26
4-Bromofluorobenzene		% Rec.	98.15	75-128	WG527143	03/22/11 12:26
Dibromofluoromethane		% Rec.	106.4	79-125	WG527143	03/22/11 12:26
Toluene-d8		% Rec.	106.6	87-114	WG527143	03/22/11 12:26
a,a,a-Trifluorotoluene		% Rec.	101.1	84-114	WG527143	03/22/11 12:26
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,1,1-Trichloroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,1,2-Trichloroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,1-Dichloroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,1-Dichloroethene	< .001	mg/l			WG527090	03/22/11 06:52
1,1-Dichloropropene	< .001	mg/l			WG527090	03/22/11 06:52
1,2,3-Trichlorobenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,2,3-Trichloropropane	< .001	mg/l			WG527090	03/22/11 06:52
1,2,3-Trimethylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,2,4-Trichlorobenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,2,4-Trimethylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG527090	03/22/11 06:52
1,2-Dibromoethane	< .001	mg/l			WG527090	03/22/11 06:52
1,2-Dichlorobenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,2-Dichloroethane	< .001	mg/l			WG527090	03/22/11 06:52
1,2-Dichloropropane	< .001	mg/l			WG527090	03/22/11 06:52
1,3,5-Trimethylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,3-Dichlorobenzene	< .001	mg/l			WG527090	03/22/11 06:52
1,3-Dichloropropane	< .001	mg/l			WG527090	03/22/11 06:52
1,4-Dichlorobenzene	< .001	mg/l			WG527090	03/22/11 06:52
2,2-Dichloropropane	< .001	mg/l			WG527090	03/22/11 06:52
2-Butanone (MEK)	< .01	mg/l			WG527090	03/22/11 06:52

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YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
2-Chloroethyl vinyl ether	< .05	mg/l			WG527090	03/22/11 06:52
2-Chlorotoluene	< .001	mg/l			WG527090	03/22/11 06:52
4-Chlorotoluene	< .001	mg/l			WG527090	03/22/11 06:52
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG527090	03/22/11 06:52
Acetone	< .05	mg/l			WG527090	03/22/11 06:52
Acrolein	< .025	mg/l			WG527090	03/22/11 06:52
Acrylonitrile	< .01	mg/l			WG527090	03/22/11 06:52
Benzene	< .001	mg/l			WG527090	03/22/11 06:52
Bromobenzene	< .001	mg/l			WG527090	03/22/11 06:52
Bromodichloromethane	< .001	mg/l			WG527090	03/22/11 06:52
Bromoform	< .001	mg/l			WG527090	03/22/11 06:52
Bromomethane	< .005	mg/l			WG527090	03/22/11 06:52
Carbon tetrachloride	< .001	mg/l			WG527090	03/22/11 06:52
Chlorobenzene	< .001	mg/l			WG527090	03/22/11 06:52
Chlorodibromomethane	< .001	mg/l			WG527090	03/22/11 06:52
Chloroethane	< .005	mg/l			WG527090	03/22/11 06:52
Chloroform	< .005	mg/l			WG527090	03/22/11 06:52
Chloromethane	< .0025	mg/l			WG527090	03/22/11 06:52
cis-1,2-Dichloroethene	< .001	mg/l			WG527090	03/22/11 06:52
cis-1,3-Dichloropropene	< .001	mg/l			WG527090	03/22/11 06:52
Di-isopropyl ether	< .001	mg/l			WG527090	03/22/11 06:52
Dibromomethane	< .001	mg/l			WG527090	03/22/11 06:52
Dichlorodifluoromethane	< .005	mg/l			WG527090	03/22/11 06:52
Ethylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
Hexachloro-1,3-butadiene	< .001	mg/l			WG527090	03/22/11 06:52
Isopropylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
Methyl tert-butyl ether	< .001	mg/l			WG527090	03/22/11 06:52
Methylene Chloride	< .005	mg/l			WG527090	03/22/11 06:52
n-Butylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
n-Propylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
Naphthalene	< .005	mg/l			WG527090	03/22/11 06:52
p-Isopropyltoluene	< .001	mg/l			WG527090	03/22/11 06:52
sec-Butylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
Styrene	< .001	mg/l			WG527090	03/22/11 06:52
tert-Butylbenzene	< .001	mg/l			WG527090	03/22/11 06:52
Tetrachloroethene	< .001	mg/l			WG527090	03/22/11 06:52
Toluene	< .005	mg/l			WG527090	03/22/11 06:52
trans-1,2-Dichloroethene	< .001	mg/l			WG527090	03/22/11 06:52
trans-1,3-Dichloropropene	< .001	mg/l			WG527090	03/22/11 06:52
Trichloroethene	< .001	mg/l			WG527090	03/22/11 06:52
Trichlorofluoromethane	< .005	mg/l			WG527090	03/22/11 06:52
Vinyl chloride	< .001	mg/l			WG527090	03/22/11 06:52
Xylenes, Total	< .003	mg/l			WG527090	03/22/11 06:52
4-Bromofluorobenzene		% Rec.	87.63	75-128	WG527090	03/22/11 06:52
Dibromofluoromethane		% Rec.	110.8	79-125	WG527090	03/22/11 06:52
Toluene-d8		% Rec.	97.65	87-114	WG527090	03/22/11 06:52
Diesel Range Organics (DRO)	< 4	ppm			WG527224	03/23/11 09:20
Residual Range Organics (RRO)	< 10	ppm			WG527224	03/23/11 09:20
o-Terphenyl		% Rec.	85.96	50-150	WG527224	03/23/11 09:20
Gasoline Range Organics-NWTPH	< .1	mg/l			WG527161	03/22/11 15:17
a,a,a-Trifluorotoluene(FID)		% Rec.	94.97	62-128	WG527161	03/22/11 15:17
Diesel Range Organics (DRO)	< .1	ppm			WG527226	03/23/11 16:32
Residual Range Organics (RRO)	< .25	ppm			WG527226	03/23/11 16:32

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YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
o-Terphenyl		% Rec.	94.80	50-150		03/23/11 16:32
Mercury, Dissolved	< .0002	mg/l			WG527147	03/23/11 23:12
Mercury	< .0002	mg/l			WG527395	03/23/11 19:46
Arsenic	< .05	mg/l			WG527408	03/23/11 18:32
Barium	< .15	mg/l			WG527408	03/23/11 18:32
Cadmium	< .05	mg/l			WG527408	03/23/11 18:32
Chromium	< .05	mg/l			WG527408	03/23/11 18:32
Lead	< .05	mg/l			WG527408	03/23/11 18:32
Selenium	< .05	mg/l			WG527408	03/23/11 18:32
Silver	< .05	mg/l			WG527408	03/23/11 18:32
1-Methylnaphthalene	< .00025	mg/l			WG527312	03/23/11 13:39
2-Chloronaphthalene	< .00025	mg/l			WG527312	03/23/11 13:39
2-Methylnaphthalene	< .00025	mg/l			WG527312	03/23/11 13:39
Acenaphthene	< .00005	mg/l			WG527312	03/23/11 13:39
Acenaphthylene	< .00005	mg/l			WG527312	03/23/11 13:39
Anthracene	< .00005	mg/l			WG527312	03/23/11 13:39
Benzo(a)anthracene	< .00005	mg/l			WG527312	03/23/11 13:39
Benzo(a)pyrene	< .00005	mg/l			WG527312	03/23/11 13:39
Benzo(b)fluoranthene	< .00005	mg/l			WG527312	03/23/11 13:39
Benzo(g,h,i)perylene	< .00005	mg/l			WG527312	03/23/11 13:39
Benzo(k)fluoranthene	< .00005	mg/l			WG527312	03/23/11 13:39
Chrysene	< .00005	mg/l			WG527312	03/23/11 13:39
Dibenz(a,h)anthracene	< .00005	mg/l			WG527312	03/23/11 13:39
Fluoranthene	< .00005	mg/l			WG527312	03/23/11 13:39
Fluorene	< .00005	mg/l			WG527312	03/23/11 13:39
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG527312	03/23/11 13:39
Naphthalene	< .00025	mg/l			WG527312	03/23/11 13:39
Phenanthrene	< .00005	mg/l			WG527312	03/23/11 13:39
Pyrene	< .00005	mg/l			WG527312	03/23/11 13:39
2-Fluorobiphenyl		% Rec.	91.64	70-130		WG527312 03/23/11 13:39
Nitrobenzene-d5		% Rec.	111.5	70-130		WG527312 03/23/11 13:39
p-Terphenyl-d14		% Rec.	100.8	70-130		WG527312 03/23/11 13:39
Total Solids	< .1	%			WG527293	03/24/11 12:33
Total Solids	< .1	%			WG527294	03/24/11 13:05
1-Methylnaphthalene	< .006	mg/kg			WG526933	03/23/11 10:59
2-Chloronaphthalene	< .006	mg/kg			WG526933	03/23/11 10:59
2-Methylnaphthalene	< .006	mg/kg			WG526933	03/23/11 10:59
Acenaphthene	< .006	mg/kg			WG526933	03/23/11 10:59
Acenaphthylene	< .006	mg/kg			WG526933	03/23/11 10:59
Anthracene	< .006	mg/kg			WG526933	03/23/11 10:59
Benzo(a)anthracene	< .006	mg/kg			WG526933	03/23/11 10:59
Benzo(a)pyrene	< .006	mg/kg			WG526933	03/23/11 10:59
Benzo(b)fluoranthene	< .006	mg/kg			WG526933	03/23/11 10:59
Benzo(g,h,i)perylene	< .006	mg/kg			WG526933	03/23/11 10:59
Benzo(k)fluoranthene	< .006	mg/kg			WG526933	03/23/11 10:59
Chrysene	< .006	mg/kg			WG526933	03/23/11 10:59
Dibenz(a,h)anthracene	< .006	mg/kg			WG526933	03/23/11 10:59

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YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

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 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Fluoranthene	< .006	mg/kg			WG526933	03/23/11 10:59
Fluorene	< .006	mg/kg			WG526933	03/23/11 10:59
Indeno(1,2,3-cd)pyrene	< .006	mg/kg			WG526933	03/23/11 10:59
Naphthalene	< .006	mg/kg			WG526933	03/23/11 10:59
Phenanthrene	< .006	mg/kg			WG526933	03/23/11 10:59
Pyrene	< .006	mg/kg			WG526933	03/23/11 10:59
2-Fluorobiphenyl		% Rec.	88.91	21-120	WG526933	03/23/11 10:59
Nitrobenzene-d5		% Rec.	87.49	33-114	WG526933	03/23/11 10:59
p-Terphenyl-d14		% Rec.	89.96	18-142	WG526933	03/23/11 10:59
Arsenic, Dissolved	< .02	mg/l			WG527255	03/24/11 22:46
Barium, Dissolved	< .005	mg/l			WG527255	03/24/11 22:46
Cadmium, Dissolved	< .005	mg/l			WG527255	03/24/11 22:46
Chromium, Dissolved	< .01	mg/l			WG527255	03/24/11 22:46
Selenium, Dissolved	< .02	mg/l			WG527255	03/24/11 22:46
Silver, Dissolved	< .01	mg/l			WG527255	03/24/11 22:46
Nitrate-Nitrite	< .1	mg/l			WG527328	03/25/11 11:32
1,4-Dichlorobenzene	< .1	ppm			WG527461	03/25/11 13:47
2,4,5-Trichlorophenol	< .1	ppm			WG527461	03/25/11 13:47
2,4,6-Trichlorophenol	< .1	ppm			WG527461	03/25/11 13:47
2,4-Dinitrotoluene	< .1	ppm			WG527461	03/25/11 13:47
2-Methylphenol	< .1	ppm			WG527461	03/25/11 13:47
3&4-Methyl Phenol	< .1	ppm			WG527461	03/25/11 13:47
Hexachloro-1,3-butadiene	< .1	ppm			WG527461	03/25/11 13:47
Hexachlorobenzene	< .1	ppm			WG527461	03/25/11 13:47
Hexachloroethane	< .1	ppm			WG527461	03/25/11 13:47
Nitrobenzene	< .1	ppm			WG527461	03/25/11 13:47
Pentachlorophenol	< .1	ppm			WG527461	03/25/11 13:47
Pyridine	< .1	ppm			WG527461	03/25/11 13:47
2,4,6-Tribromophenol		ppm	82.30	10-148	WG527461	03/25/11 13:47
2-Fluorobiphenyl		ppm	82.80	26-122	WG527461	03/25/11 13:47
2-Fluorophenol		ppm	48.40	10-87	WG527461	03/25/11 13:47
Nitrobenzene-d5		ppm	60.20	12-120	WG527461	03/25/11 13:47
Phenol-d5		ppm	35.70	10-67	WG527461	03/25/11 13:47
p-Terphenyl-d14		ppm	122.7	34-149	WG527461	03/25/11 13:47
Ammonia Nitrogen	< 5	mg/kg			WG527499	03/25/11 11:58
Ammonia Nitrogen	< .1	mg/l			WG527366	03/25/11 10:26
2,4,5-T	< .002	mg/l			WG527451	03/24/11 22:31
2,4,5-TP (Silvex)	< .002	mg/l			WG527451	03/24/11 22:31
2,4-D	< .002	mg/l			WG527451	03/24/11 22:31
2,4-DB	< .002	mg/l			WG527451	03/24/11 22:31
Dalapon	< .002	mg/l			WG527451	03/24/11 22:31
Dicamba	< .002	mg/l			WG527451	03/24/11 22:31
Dichloroprop	< .002	mg/l			WG527451	03/24/11 22:31
Dinoseb	< .002	mg/l			WG527451	03/24/11 22:31
MCPA	< .1	mg/l			WG527451	03/24/11 22:31
MCPP	< .1	mg/l			WG527451	03/24/11 22:31
2,4-Dichlorophenyl Acetic Acid		%	88.96	42-112	WG527451	03/24/11 22:31

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 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
2,4,5-TP (Silvex)	< .002	mg/l			WG527452	03/24/11 22:42
2,4-D	< .002	mg/l			WG527452	03/24/11 22:42
2,4-Dichlorophenyl Acetic Acid		%	96.20	42-112	WG527452	03/24/11 22:42
Chlordane	< .0005	mg/l			WG527547	03/25/11 12:19
Endrin	< .00005	mg/l			WG527547	03/25/11 12:19
Lindane	< .00005	mg/l			WG527547	03/25/11 12:19
Heptachlor	< .00005	mg/l			WG527547	03/25/11 12:19
Methoxychlor	< .00005	mg/l			WG527547	03/25/11 12:19
Toxaphene	< .0005	mg/l			WG527547	03/25/11 12:19
Decachlorobiphenyl		% Rec.	87.70	10-122.6	WG527547	03/25/11 12:19
Tetrachloro-m-xylene		% Rec.	89.10	15.3-114.2	WG527547	03/25/11 12:19
Lead,Dissolved	< .005	mg/l			WG527255	03/25/11 13:16

Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Nitrate	mg/kg	3.70	3.90	4.19	20	L507016-05	WG527019	
Nitrate	mg/kg	72.0	80.0	9.84	20	L507163-04	WG527019	
Mercury	mg/l	0	0	0	20	L507091-04	WG527395	
Mercury,Dissolved	mg/l	0	0	0	20	L507146-01	WG527147	
Arsenic	mg/l	0	0.0171	NA	20	L507322-09	WG527408	
Barium	mg/l	0.150	0.160	3.82	20	L507322-09	WG527408	
Cadmium	mg/l	0	0	0	20	L507322-09	WG527408	
Chromium	mg/l	0	0	0	20	L507322-09	WG527408	
Lead	mg/l	0	0	0	20	L507322-09	WG527408	
Selenium	mg/l	0	0.0338	NA	20	L507322-09	WG527408	
Silver	mg/l	0	0.000140	NA	20	L507322-09	WG527408	
Total Solids	%	77.0	77.5	1.10	5	L507163-01	WG527293	
Total Solids	%	96.0	95.3	0.236	5	L507312-01	WG527294	
Arsenic,Dissolved	mg/l	0	0	0	20	L507146-09	WG527255	
Barium,Dissolved	mg/l	0.0770	0.0710	8.37	20	L507146-09	WG527255	
Cadmium,Dissolved	mg/l	0	0	0	20	L507146-09	WG527255	
Chromium,Dissolved	mg/l	0	0	0	20	L507146-09	WG527255	
Selenium,Dissolved	mg/l	0	0	0	20	L507146-09	WG527255	
Silver,Dissolved	mg/l	0	0	0	20	L507146-09	WG527255	
Nitrate-Nitrite	mg/l	0.380	0.400	5.39	20	L507340-01	WG527328	
Nitrate-Nitrite	mg/l	6.20	6.20	0.161	20	L507074-01	WG527328	
Ammonia Nitrogen	mg/kg	0	1.90	NA	20	L507477-03	WG527499	
Ammonia Nitrogen	mg/kg	0	0	0	20	L507163-03	WG527499	

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Est. 1970

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Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Ammonia Nitrogen	mg/l	0.140	0.150	9.06	20	L507163-09	WG527366
Ammonia Nitrogen	mg/l	41.0	41.0	0	20	L506641-01	WG527366
Lead,Dissolved	mg/l	0	0	0	20	L507146-09	WG527255

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Gasoline Range Organics-NWTPH	mg/kg	5.5	4.07	73.9	67-135	WG526955
a,a,a-Trifluorotoluene(FID)				100.0	59-128	WG526955
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0276	111.	73-134	WG526895
1,1,1-Trichloroethane	mg/kg	.025	0.0246	98.6	62-135	WG526895
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0253	101.	74-129	WG526895
1,1,2-Trichloroethane	mg/kg	.025	0.0258	103.	77-124	WG526895
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.025	0.0285	114.	49-155	WG526895
1,1-Dichloroethane	mg/kg	.025	0.0234	93.6	61-134	WG526895
1,1-Dichloroethene	mg/kg	.025	0.0257	103.	53-136	WG526895
1,1-Dichloropropene	mg/kg	.025	0.0232	92.7	63-132	WG526895
1,2,3-Trichlorobenzene	mg/kg	.025	0.0282	113.	62-146	WG526895
1,2,3-Trichloropropane	mg/kg	.025	0.0265	106.	70-133	WG526895
1,2,3-Trimethylbenzene	mg/kg	.025	0.0243	97.4	73-126	WG526895
1,2,4-Trichlorobenzene	mg/kg	.025	0.0286	114.	61-148	WG526895
1,2,4-Trimethylbenzene	mg/kg	.025	0.0268	107.	68-135	WG526895
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0287	115.	61-134	WG526895
1,2-Dibromoethane	mg/kg	.025	0.0269	108.	76-127	WG526895
1,2-Dichlorobenzene	mg/kg	.025	0.0265	106.	77-123	WG526895
1,2-Dichloroethane	mg/kg	.025	0.0225	89.8	58-141	WG526895
1,2-Dichloropropane	mg/kg	.025	0.0241	96.5	71-128	WG526895
1,3,5-Trimethylbenzene	mg/kg	.025	0.0262	105.	71-133	WG526895
1,3-Dichlorobenzene	mg/kg	.025	0.0292	117.	71-132	WG526895
1,3-Dichloropropane	mg/kg	.025	0.0235	94.1	76-120	WG526895
1,4-Dichlorobenzene	mg/kg	.025	0.0252	101.	72-123	WG526895
2,2-Dichloropropane	mg/kg	.025	0.0238	95.3	50-147	WG526895
2-Butanone (MEK)	mg/kg	.125	0.103	82.5	51-131	WG526895
2-Chloroethyl vinyl ether	mg/kg	.125	0.0976	78.1	0-188	WG526895
2-Chlorotoluene	mg/kg	.025	0.0254	101.	73-128	WG526895
4-Chlorotoluene	mg/kg	.025	0.0253	101.	72-129	WG526895
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.120	96.1	61-143	WG526895
Acetone	mg/kg	.125	0.112	89.3	44-140	WG526895
Acrylonitrile	mg/kg	.125	0.114	91.4	55-143	WG526895
Benzene	mg/kg	.025	0.0229	91.4	65-128	WG526895
Bromobenzene	mg/kg	.025	0.0244	97.6	75-123	WG526895
Bromodichloromethane	mg/kg	.025	0.0244	97.5	66-126	WG526895
Bromoform	mg/kg	.025	0.0277	111.	64-139	WG526895
Bromomethane	mg/kg	.025	0.0328	131.	41-175	WG526895
Carbon tetrachloride	mg/kg	.025	0.0240	95.8	60-140	WG526895
Chlorobenzene	mg/kg	.025	0.0271	108.	75-125	WG526895
Chlorodibromomethane	mg/kg	.025	0.0281	112.	72-137	WG526895
Chloroethane	mg/kg	.025	0.0286	115.	44-159	WG526895
Chloroform	mg/kg	.025	0.0233	93.4	63-123	WG526895
Chloromethane	mg/kg	.025	0.0230	91.9	42-149	WG526895
cis-1,2-Dichloroethene	mg/kg	.025	0.0244	97.8	71-129	WG526895
cis-1,3-Dichloropropene	mg/kg	.025	0.0230	91.8	73-132	WG526895
Di-isopropyl ether	mg/kg	.025	0.0221	88.3	59-143	WG526895
Dibromomethane	mg/kg	.025	0.0272	109.	70-130	WG526895
Dichlorodifluoromethane	mg/kg	.025	0.0239	95.7	26-186	WG526895

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Est. 1970

March 28, 2011

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Ethylbenzene	mg/kg	.025	0.0262	105.	74-128	WG526895
Hexachloro-1,3-butadiene	mg/kg	.025	0.0286	114.	65-137	WG526895
Isopropylbenzene	mg/kg	.025	0.0262	105.	73-130	WG526895
Methyl tert-butyl ether	mg/kg	.025	0.0227	90.9	44-148	WG526895
Methylene Chloride	mg/kg	.025	0.0238	95.2	57-129	WG526895
n-Butylbenzene	mg/kg	.025	0.0235	93.9	60-145	WG526895
n-Propylbenzene	mg/kg	.025	0.0259	103.	71-132	WG526895
Naphthalene	mg/kg	.025	0.0271	108.	61-142	WG526895
p-Isopropyltoluene	mg/kg	.025	0.0279	111.	67-138	WG526895
sec-Butylbenzene	mg/kg	.025	0.0266	107.	71-134	WG526895
Styrene	mg/kg	.025	0.0262	105.	76-133	WG526895
tert-Butylbenzene	mg/kg	.025	0.0278	111.	72-132	WG526895
Tetrachloroethene	mg/kg	.025	0.0290	116.	65-135	WG526895
Toluene	mg/kg	.025	0.0232	93.0	70-120	WG526895
trans-1,2-Dichloroethene	mg/kg	.025	0.0241	96.3	61-133	WG526895
trans-1,3-Dichloropropene	mg/kg	.025	0.0214	85.4	70-135	WG526895
Trichloroethene	mg/kg	.025	0.0285	114.	71-126	WG526895
Trichlorofluoromethane	mg/kg	.025	0.0267	107.	52-147	WG526895
Vinyl chloride	mg/kg	.025	0.0259	104.	50-151	WG526895
Xylenes, Total	mg/kg	.075	0.0788	105.	74-127	WG526895
4-Bromofluorobenzene				99.00	59-140	WG526895
Dibromofluoromethane				98.69	63-139	WG526895
Toluene-d8				98.64	84-116	WG526895
Nitrate	mg/kg	20	20.4	102.	85-115	WG527019
1,1-Dichloroethene	mg/l	.025	0.0313	125.	60-130	WG527143
1,2-Dichloroethane	mg/l	.025	0.0290	116.	63-137	WG527143
2-Butanone (MEK)	mg/l	.125	0.118	94.1	53-132	WG527143
Benzene	mg/l	.025	0.0287	115.	67-126	WG527143
Carbon tetrachloride	mg/l	.025	0.0290	116.	64-141	WG527143
Chlorobenzene	mg/l	.025	0.0240	95.8	77-125	WG527143
Chloroform	mg/l	.025	0.0295	118.	66-126	WG527143
Tetrachloroethene	mg/l	.025	0.0261	104.	67-135	WG527143
Trichloroethene	mg/l	.025	0.0289	116.	74-126	WG527143
Vinyl chloride	mg/l	.025	0.0339	135.	55-153	WG527143
4-Bromofluorobenzene				92.32	75-128	WG527143
Dibromofluoromethane				112.7	79-125	WG527143
Toluene-d8				108.0	87-114	WG527143
a,a,a-Trifluorotoluene				113.9	84-114	WG527143
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0263	105.	75-134	WG527090
1,1,1-Trichloroethane	mg/l	.025	0.0235	93.8	67-137	WG527090
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0312	125.	72-128	WG527090
1,1,2-Trichloroethane	mg/l	.025	0.0268	107.	79-123	WG527090
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0226	90.4	51-149	WG527090
1,1-Dichloroethane	mg/l	.025	0.0247	98.8	67-133	WG527090
1,1-Dichloroethene	mg/l	.025	0.0221	88.3	60-130	WG527090
1,1-Dichloropropene	mg/l	.025	0.0222	89.0	68-132	WG527090
1,2,3-Trichlorobenzene	mg/l	.025	0.0271	108.	63-138	WG527090
1,2,3-Trichloropropane	mg/l	.025	0.0293	117.	68-130	WG527090
1,2,3-Trimethylbenzene	mg/l	.025	0.0233	93.2	70-127	WG527090
1,2,4-Trichlorobenzene	mg/l	.025	0.0251	100.	65-137	WG527090
1,2,4-Trimethylbenzene	mg/l	.025	0.0227	90.9	72-135	WG527090
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0327	131.	55-134	WG527090
1,2-Dibromoethane	mg/l	.025	0.0282	113.	75-126	WG527090

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
1,2-Dichlorobenzene	mg/l	.025	0.0251	100.	75-122	WG527090
1,2-Dichloroethane	mg/l	.025	0.0258	103.	63-137	WG527090
1,2-Dichloropropane	mg/l	.025	0.0275	110.	74-122	WG527090
1,3,5-Trimethylbenzene	mg/l	.025	0.0229	91.7	73-134	WG527090
1,3-Dichlorobenzene	mg/l	.025	0.0238	95.2	73-131	WG527090
1,3-Dichloropropane	mg/l	.025	0.0255	102.	77-119	WG527090
1,4-Dichlorobenzene	mg/l	.025	0.0235	94.1	70-121	WG527090
2,2-Dichloropropane	mg/l	.025	0.0241	96.6	46-151	WG527090
2-Butanone (MEK)	mg/l	.125	0.156	125.	53-132	WG527090
2-Chloroethyl vinyl ether	mg/l	.125	0.111	88.7	0-171	WG527090
2-Chlorotoluene	mg/l	.025	0.0220	88.2	74-128	WG527090
4-Chlorotoluene	mg/l	.025	0.0223	89.2	74-130	WG527090
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.180	144.*	60-142	WG527090
Acetone	mg/l	.125	0.170	136.*	48-134	WG527090
Acrolein	mg/l	.125	0.131	105.	6-182	WG527090
Acrylonitrile	mg/l	.125	0.191	153.*	60-140	WG527090
Benzene	mg/l	.025	0.0227	90.8	67-126	WG527090
Bromobenzene	mg/l	.025	0.0231	92.3	76-123	WG527090
Bromodichloromethane	mg/l	.025	0.0278	111.	68-133	WG527090
Bromoform	mg/l	.025	0.0288	115.	60-139	WG527090
Bromomethane	mg/l	.025	0.0197	78.9	45-175	WG527090
Carbon tetrachloride	mg/l	.025	0.0226	90.2	64-141	WG527090
Chlorobenzene	mg/l	.025	0.0228	91.3	77-125	WG527090
Chlorodibromomethane	mg/l	.025	0.0263	105.	73-138	WG527090
Chloroethane	mg/l	.025	0.0207	82.7	49-155	WG527090
Chloroform	mg/l	.025	0.0238	95.1	66-126	WG527090
Chloromethane	mg/l	.025	0.0256	103.	45-152	WG527090
cis-1,2-Dichloroethene	mg/l	.025	0.0236	94.4	72-128	WG527090
cis-1,3-Dichloropropene	mg/l	.025	0.0254	102.	73-131	WG527090
Di-isopropyl ether	mg/l	.025	0.0281	112.	63-139	WG527090
Dibromomethane	mg/l	.025	0.0289	116.	73-125	WG527090
Dichlorodifluoromethane	mg/l	.025	0.0233	93.1	39-189	WG527090
Ethylbenzene	mg/l	.025	0.0225	90.0	76-129	WG527090
Hexachloro-1,3-butadiene	mg/l	.025	0.0234	93.8	67-135	WG527090
Isopropylbenzene	mg/l	.025	0.0228	91.2	73-132	WG527090
Methyl tert-butyl ether	mg/l	.025	0.0265	106.	51-142	WG527090
Methylene Chloride	mg/l	.025	0.0233	93.2	64-125	WG527090
n-Butylbenzene	mg/l	.025	0.0227	90.6	63-142	WG527090
n-Propylbenzene	mg/l	.025	0.0222	89.0	71-132	WG527090
Naphthalene	mg/l	.025	0.0253	101.	56-145	WG527090
p-Isopropyltoluene	mg/l	.025	0.0230	91.9	68-138	WG527090
sec-Butylbenzene	mg/l	.025	0.0226	90.6	70-135	WG527090
Styrene	mg/l	.025	0.0243	97.0	78-130	WG527090
tert-Butylbenzene	mg/l	.025	0.0226	90.6	72-134	WG527090
Tetrachloroethene	mg/l	.025	0.0232	92.6	67-135	WG527090
Toluene	mg/l	.025	0.0232	92.8	72-122	WG527090
trans-1,2-Dichloroethene	mg/l	.025	0.0218	87.0	67-129	WG527090
trans-1,3-Dichloropropene	mg/l	.025	0.0262	105.	66-137	WG527090
Trichloroethene	mg/l	.025	0.0234	93.5	74-126	WG527090
Trichlorofluoromethane	mg/l	.025	0.0229	91.6	54-156	WG527090
Vinyl chloride	mg/l	.025	0.0217	86.8	55-153	WG527090
Xylenes, Total	mg/l	.075	0.0681	90.8	75-128	WG527090
4-Bromofluorobenzene				93.31	75-128	WG527090
Dibromofluoromethane				103.8	79-125	WG527090
Toluene-d8				100.4	87-114	WG527090
Diesel Range Organics (DRO)	mg/kg	30	28.3	94.5	50-150	WG527224
Residual Range Organics (RRO)	mg/kg	30	20.8	69.2	50-150	WG527224

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YOUR LAB OF CHOICE

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 Dale Reynolds
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 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
o-Terphenyl				77.17	50-150	
Gasoline Range Organics-NWTPH	mg/l	5.5	5.83	106.	70-124	WG527161
a,a,a-Trifluorotoluene(FID)				100.8	62-128	WG527161
Diesel Range Organics (DRO)	mg/l	.75	0.769	102.	50-150	WG527226
Residual Range Organics (RRO)	mg/l	.75	0.568	75.8	50-150	WG527226
o-Terphenyl				80.97	50-150	WG527226
Mercury,Dissolved	mg/l	.003	0.00310	103.	85-115	WG527147
Mercury	mg/l	.003	0.00303	101.	85-115	WG527395
Arsenic	mg/l	1.13	1.17	104.	85-115	WG527408
Barium	mg/l	1.13	1.10	97.3	85-115	WG527408
Cadmium	mg/l	1.13	1.12	99.1	85-115	WG527408
Chromium	mg/l	1.13	1.14	101.	85-115	WG527408
Lead	mg/l	1.13	1.12	99.1	85-115	WG527408
Selenium	mg/l	1.13	1.25	111.	85-115	WG527408
Silver	mg/l	1.13	1.17	104.	85-115	WG527408
1-Methylnaphthalene	mg/l	.002	0.00187	93.6	70-130	WG527312
2-Chloronaphthalene	mg/l	.002	0.00196	98.1	70-130	WG527312
2-Methylnaphthalene	mg/l	.002	0.00186	92.9	70-130	WG527312
Acenaphthene	mg/l	.002	0.00196	97.8	70-130	WG527312
Acenaphthylene	mg/l	.002	0.00226	113.	70-130	WG527312
Anthracene	mg/l	.002	0.00228	114.	70-130	WG527312
Benzo(a)anthracene	mg/l	.002	0.00240	120.	70-130	WG527312
Benzo(a)pyrene	mg/l	.002	0.00217	109.	70-130	WG527312
Benzo(b)fluoranthene	mg/l	.002	0.00215	108.	70-130	WG527312
Benzo(g,h,i)perylene	mg/l	.002	0.00188	94.0	70-130	WG527312
Benzo(k)fluoranthene	mg/l	.002	0.00180	90.1	70-130	WG527312
Chrysene	mg/l	.002	0.00191	95.7	70-130	WG527312
Dibenz(a,h)anthracene	mg/l	.002	0.00183	91.4	70-130	WG527312
Fluoranthene	mg/l	.002	0.00209	104.	70-130	WG527312
Fluorene	mg/l	.002	0.00195	97.4	70-130	WG527312
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00195	97.6	70-130	WG527312
Naphthalene	mg/l	.002	0.00190	94.9	70-130	WG527312
Phenanthrene	mg/l	.002	0.00195	97.5	70-130	WG527312
Pyrene	mg/l	.002	0.00228	114.	70-130	WG527312
2-Fluorobiphenyl				91.75	70-130	WG527312
Nitrobenzene-d5				110.0	70-130	WG527312
p-Terphenyl-d14				100.4	70-130	WG527312
Total Solids	%	50	50.0	100.	85-155	WG527293
Total Solids	%	50	50.0	100.	85-155	WG527294
1-Methylnaphthalene	mg/kg	.033	0.0315	95.4	41-110	WG526933
2-Chloronaphthalene	mg/kg	.033	0.0290	88.0	43-109	WG526933
2-Methylnaphthalene	mg/kg	.033	0.0216	65.4	38-104	WG526933
Acenaphthene	mg/kg	.033	0.0276	83.5	48-103	WG526933

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Acenaphthylene	mg/kg	.033	0.0261	79.2	43-106	WG526933
Anthracene	mg/kg	.033	0.0313	94.8	51-110	WG526933
Benzo(a)anthracene	mg/kg	.033	0.0257	77.8	38-126	WG526933
Benzo(a)pyrene	mg/kg	.033	0.0333	101.	47-118	WG526933
Benzo(b)fluoranthene	mg/kg	.033	0.0287	87.1	47-118	WG526933
Benzo(g,h,i)perylene	mg/kg	.033	0.0310	93.9	40-125	WG526933
Benzo(k)fluoranthene	mg/kg	.033	0.0289	87.5	45-121	WG526933
Chrysene	mg/kg	.033	0.0347	105.	35-135	WG526933
Dibenz(a,h)anthracene	mg/kg	.033	0.0303	91.9	41-124	WG526933
Fluoranthene	mg/kg	.033	0.0306	92.8	50-114	WG526933
Fluorene	mg/kg	.033	0.0270	81.8	49-109	WG526933
Indeno(1,2,3-cd)pyrene	mg/kg	.033	0.0307	93.0	40-126	WG526933
Naphthalene	mg/kg	.033	0.0265	80.2	36-100	WG526933
Phenanthrene	mg/kg	.033	0.0252	76.5	46-108	WG526933
Pyrene	mg/kg	.033	0.0306	92.8	30-136	WG526933
2-Fluorobiphenyl				84.10	33-114	WG526933
Nitrobenzene-d5				80.75	21-120	WG526933
p-Terphenyl-d14				87.60	18-142	WG526933
Arsenic, Dissolved	mg/l	1.13	1.04	92.0	85-115	WG527255
Barium, Dissolved	mg/l	1.13	1.05	92.9	85-115	WG527255
Cadmium, Dissolved	mg/l	1.13	1.18	104.	85-115	WG527255
Chromium, Dissolved	mg/l	1.13	1.14	101.	85-115	WG527255
Selenium, Dissolved	mg/l	1.13	0.982	86.9	85-115	WG527255
Silver, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG527255
Nitrate-Nitrite	mg/l	5	5.28	106.	85-115	WG527328
1,4-Dichlorobenzene	ppm	.01	0.00671	67.1	19-103	WG527461
2,4,5-Trichlorophenol	ppm	.01	0.0103	103.	48-120	WG527461
2,4,6-Trichlorophenol	ppm	.01	0.00837	83.7	49-118	WG527461
2,4-Dinitrotoluene	ppm	.01	0.00985	98.5	56-128	WG527461
2-Methylphenol	ppm	.01	0.00631	63.1	42-99	WG527461
3&4-Methyl Phenol	ppm	.01	0.00813	81.3	36-102	WG527461
Hexachloro-1,3-butadiene	ppm	.01	0.00905	90.5	21-116	WG527461
Hexachlorobenzene	ppm	.01	0.00969	96.9	51-121	WG527461
Hexachloroethane	ppm	.01	0.00633	63.3	15-109	WG527461
Nitrobenzene	ppm	.01	0.00742	74.2	31-105	WG527461
Pentachlorophenol	ppm	.01	0.00587	58.7	20-122	WG527461
Pyridine	ppm	.01	0.00404	40.4	7-48	WG527461
2,4,6-Tribromophenol				89.87	10-148	WG527461
2-Fluorobiphenyl				85.69	26-122	WG527461
2-Fluorophenol				58.88	10-87	WG527461
Nitrobenzene-d5				69.69	12-120	WG527461
Phenol-d5				43.64	10-67	WG527461
p-Terphenyl-d14				114.3	34-149	WG527461
Ammonia Nitrogen	mg/kg	500	555.	111.	50-150	WG527499
Ammonia Nitrogen	mg/l	7.5	8.18	109.	90-110	WG527366
2,4,5-T	mg/l	.005	0.00388	77.6	30-136	WG527451
2,4,5-TP (Silvex)	mg/l	.005	0.00336	67.3	33-134	WG527451

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2,4-D	mg/l	.005	0.00408	81.6	24-127	WG527451
2,4-DB	mg/l	.005	0.00356	71.3	22-198	WG527451
Dalapon	mg/l	.005	0.00335	67.1	14-121	WG527451
Dicamba	mg/l	.005	0.00397	79.5	31-135	WG527451
Dichloroprop	mg/l	.005	0.00291	58.2	30-122	WG527451
Dinoseb	mg/l	.005	0.00315	62.9	28-183	WG527451
MCPA	mg/l	.5	0.366	73.1	32-153	WG527451
MCPP	mg/l	.5	0.483	96.7	42-133	WG527451
2,4-Dichlorophenyl Acetic Acid				101.9	42-112	WG527451
2,4,5-TP (Silvex)	mg/l	.005	0.00336	67.3	33-134	WG527452
2,4-D	mg/l	.005	0.00408	81.6	24-127	WG527452
Endrin	mg/l	.0002	0.000182	91.1	37-126	WG527547
Lindane	mg/l	.0002	0.000177	88.3	35-114	WG527547
Heptachlor	mg/l	.0002	0.000161	80.4	21-123	WG527547
Methoxychlor	mg/l	.0002	0.000188	93.9	55-150	WG527547
Decachlorobiphenyl				87.36	10-122.6	WG527547
Tetrachloro-m-xylene				86.44	15.3-114.2	WG527547
Lead,Dissolved	mg/l	1.13	1.14	101.	85-115	WG527255

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Gasoline Range Organics-NWTPH	mg/kg	4.26	4.07	77.0	67-135	4.66	20	WG526955
a,a,a-Trifluorotoluene(FID)				97.21	59-128			WG526955
1,1,1,2-Tetrachloroethane	mg/kg	0.0285	0.0276	114.	73-134	2.99	20	WG526895
1,1,1-Trichloroethane	mg/kg	0.0220	0.0246	88.0	62-135	11.4	20	WG526895
1,1,2,2-Tetrachloroethane	mg/kg	0.0259	0.0253	104.	74-129	2.26	20	WG526895
1,1,2-Trichloroethane	mg/kg	0.0274	0.0258	110.	77-124	6.04	20	WG526895
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0249	0.0285	100.	49-155	13.3	20	WG526895
1,1-Dichloroethane	mg/kg	0.0213	0.0234	85.0	61-134	9.30	20	WG526895
1,1-Dichloroethene	mg/kg	0.0222	0.0257	89.0	53-136	14.4	20	WG526895
1,1-Dichloropropene	mg/kg	0.0212	0.0232	85.0	63-132	8.94	20	WG526895
1,2,3-Trichlorobenzene	mg/kg	0.0288	0.0282	115.	62-146	2.12	20	WG526895
1,2,3-Trichloropropane	mg/kg	0.0278	0.0265	111.	70-133	4.86	20	WG526895
1,2,3-Trimethylbenzene	mg/kg	0.0234	0.0243	94.0	73-126	3.75	20	WG526895
1,2,4-Trichlorobenzene	mg/kg	0.0284	0.0286	114.	61-148	0.450	20	WG526895
1,2,4-Trimethylbenzene	mg/kg	0.0277	0.0268	111.	68-135	3.10	20	WG526895
1,2-Dibromo-3-Chloropropane	mg/kg	0.0267	0.0287	107.	61-134	7.26	21	WG526895
1,2-Dibromoethane	mg/kg	0.0281	0.0269	112.	76-127	4.32	20	WG526895
1,2-Dichlorobenzene	mg/kg	0.0254	0.0265	102.	77-123	4.00	20	WG526895
1,2-Dichloroethane	mg/kg	0.0211	0.0225	84.0	58-141	6.27	20	WG526895
1,2-Dichloropropane	mg/kg	0.0245	0.0241	98.0	71-128	1.48	20	WG526895
1,3,5-Trimethylbenzene	mg/kg	0.0273	0.0262	109.	71-133	4.01	20	WG526895
1,3-Dichlorobenzene	mg/kg	0.0307	0.0292	123.	71-132	4.93	20	WG526895
1,3-Dichloropropane	mg/kg	0.0255	0.0235	102.	76-120	8.17	20	WG526895
1,4-Dichlorobenzene	mg/kg	0.0248	0.0252	99.0	72-123	1.43	20	WG526895
2,2-Dichloropropane	mg/kg	0.0213	0.0238	85.0	50-147	11.2	20	WG526895
2-Butanone (MEK)	mg/kg	0.0943	0.103	75.0	51-131	9.00	25	WG526895
2-Chloroethyl vinyl ether	mg/kg	0.0955	0.0976	76.0	0-188	2.16	39	WG526895
2-Chlorotoluene	mg/kg	0.0265	0.0254	106.	73-128	4.25	20	WG526895
4-Chlorotoluene	mg/kg	0.0260	0.0253	104.	72-129	2.46	20	WG526895

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Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
4-Methyl-2-pentanone (MIBK)	mg/kg	0.110	0.120	88.0	61-143	9.25	23	WG526895
Acetone	mg/kg	0.0974	0.112	78.0	44-140	13.6	25	WG526895
Acrylonitrile	mg/kg	0.103	0.114	82.0	55-143	10.8	20	WG526895
Benzene	mg/kg	0.0217	0.0229	87.0	65-128	5.18	20	WG526895
Bromobenzene	mg/kg	0.0259	0.0244	104.	75-123	6.03	20	WG526895
Bromodichloromethane	mg/kg	0.0236	0.0244	94.0	66-126	3.11	20	WG526895
Bromoform	mg/kg	0.0284	0.0277	114.	64-139	2.67	20	WG526895
Bromomethane	mg/kg	0.0302	0.0328	121.	41-175	8.49	20	WG526895
Carbon tetrachloride	mg/kg	0.0217	0.0240	87.0	60-140	10.1	20	WG526895
Chlorobenzene	mg/kg	0.0283	0.0271	113.	75-125	4.31	20	WG526895
Chlorodibromomethane	mg/kg	0.0290	0.0281	116.	72-137	2.96	20	WG526895
Chloroethane	mg/kg	0.0260	0.0286	104.	44-159	9.47	20	WG526895
Chloroform	mg/kg	0.0215	0.0233	86.0	63-123	8.01	20	WG526895
Chloromethane	mg/kg	0.0207	0.0230	83.0	42-149	10.6	20	WG526895
cis-1,2-Dichloroethene	mg/kg	0.0222	0.0244	89.0	71-129	9.61	20	WG526895
cis-1,3-Dichloropropene	mg/kg	0.0225	0.0230	90.0	73-132	1.85	20	WG526895
Di-isopropyl ether	mg/kg	0.0204	0.0221	82.0	59-143	7.97	20	WG526895
Dibromomethane	mg/kg	0.0255	0.0272	102.	70-130	6.42	20	WG526895
Dichlorodifluoromethane	mg/kg	0.0203	0.0239	81.0	26-186	16.3	22	WG526895
Ethylbenzene	mg/kg	0.0274	0.0262	110.	74-128	4.68	20	WG526895
Hexachloro-1,3-butadiene	mg/kg	0.0282	0.0286	113.	65-137	1.28	20	WG526895
Isopropylbenzene	mg/kg	0.0271	0.0262	108.	73-130	3.27	20	WG526895
Methyl tert-butyl ether	mg/kg	0.0209	0.0227	83.0	44-148	8.61	20	WG526895
Methylene Chloride	mg/kg	0.0218	0.0238	87.0	57-129	8.61	20	WG526895
n-Butylbenzene	mg/kg	0.0220	0.0235	88.0	60-145	6.62	20	WG526895
n-Propylbenzene	mg/kg	0.0261	0.0259	104.	71-132	1.08	20	WG526895
Naphthalene	mg/kg	0.0265	0.0271	106.	61-142	2.36	20	WG526895
p-Isopropyltoluene	mg/kg	0.0286	0.0279	114.	67-138	2.44	20	WG526895
sec-Butylbenzene	mg/kg	0.0274	0.0266	110.	71-134	2.79	20	WG526895
Styrene	mg/kg	0.0278	0.0262	111.	76-133	5.72	20	WG526895
tert-Butylbenzene	mg/kg	0.0287	0.0278	115.	72-132	3.10	20	WG526895
Tetrachloroethene	mg/kg	0.0296	0.0290	118.	65-135	2.04	20	WG526895
Toluene	mg/kg	0.0226	0.0232	90.0	70-120	2.64	20	WG526895
trans-1,2-Dichloroethene	mg/kg	0.0221	0.0241	88.0	61-133	8.75	20	WG526895
trans-1,3-Dichloropropene	mg/kg	0.0221	0.0214	88.0	70-135	3.64	20	WG526895
Trichloroethene	mg/kg	0.0268	0.0285	107.	71-126	5.95	20	WG526895
Trichlorofluoromethane	mg/kg	0.0235	0.0267	94.0	52-147	12.7	20	WG526895
Vinyl chloride	mg/kg	0.0224	0.0259	90.0	50-151	14.3	20	WG526895
Xylenes, Total	mg/kg	0.0801	0.0788	107.	74-127	1.60	20	WG526895
4-Bromofluorobenzene				106.7	59-140			WG526895
Dibromofluoromethane				93.04	63-139			WG526895
Toluene-d8				99.75	84-116			WG526895
Nitrate	mg/kg	20.3	20.4	102.	85-115	0.491	20	WG527019
1,1-Dichloroethene	mg/l	0.0313	0.0313	125.	60-130	0.170	20	WG527143
1,2-Dichloroethane	mg/l	0.0304	0.0290	122.	63-137	4.54	20	WG527143
2-Butanone (MEK)	mg/l	0.148	0.118	118.	53-132	22.6*	20	WG527143
Benzene	mg/l	0.0289	0.0287	115.	67-126	0.540	20	WG527143
Carbon tetrachloride	mg/l	0.0294	0.0290	118.	64-141	1.38	20	WG527143
Chlorobenzene	mg/l	0.0250	0.0240	100.	77-125	4.25	20	WG527143
Chloroform	mg/l	0.0293	0.0295	117.	66-126	0.560	20	WG527143
Tetrachloroethene	mg/l	0.0264	0.0261	106.	67-135	1.13	20	WG527143
Trichloroethene	mg/l	0.0293	0.0289	117.	74-126	1.57	20	WG527143
Vinyl chloride	mg/l	0.0328	0.0339	131.	55-153	3.09	20	WG527143
4-Bromofluorobenzene				95.55	75-128			WG527143
Dibromofluoromethane				114.5	79-125			WG527143

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March 28, 2011

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Toluene-d8				107.5	87-114			
a,a,a-Trifluorotoluene				109.4	84-114			
1,1,1,2-Tetrachloroethane	mg/l	0.0256	0.0263	102.	75-134	2.66	20	WG527090
1,1,1-Trichloroethane	mg/l	0.0237	0.0235	95.0	67-137	0.880	20	WG527090
1,1,2,2-Tetrachloroethane	mg/l	0.0295	0.0312	118.	72-128	5.31	20	WG527090
1,1,2-Trichloroethane	mg/l	0.0254	0.0268	102.	79-123	5.38	20	WG527090
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0229	0.0226	92.0	51-149	1.47	20	WG527090
1,1-Dichloroethane	mg/l	0.0248	0.0247	99.0	67-133	0.320	20	WG527090
1,1-Dichloroethene	mg/l	0.0219	0.0221	88.0	60-130	0.580	20	WG527090
1,1-Dichloropropene	mg/l	0.0224	0.0222	89.0	68-132	0.570	20	WG527090
1,2,3-Trichlorobenzene	mg/l	0.0288	0.0271	115.	63-138	6.26	20	WG527090
1,2,3-Trichloropropane	mg/l	0.0286	0.0293	114.	68-130	2.50	20	WG527090
1,2,3-Trimethylbenzene	mg/l	0.0233	0.0233	93.0	70-127	0.150	20	WG527090
1,2,4-Trichlorobenzene	mg/l	0.0257	0.0251	103.	65-137	2.57	20	WG527090
1,2,4-Trimethylbenzene	mg/l	0.0227	0.0227	91.0	72-135	0.0800	20	WG527090
1,2-Dibromo-3-Chloropropane	mg/l	0.0304	0.0327	122.	55-134	7.34	20	WG527090
1,2-Dibromoethane	mg/l	0.0270	0.0282	108.	75-126	4.56	20	WG527090
1,2-Dichlorobenzene	mg/l	0.0247	0.0251	99.0	75-122	1.68	20	WG527090
1,2-Dichloroethane	mg/l	0.0257	0.0258	103.	63-137	0.360	20	WG527090
1,2-Dichloropropane	mg/l	0.0272	0.0275	109.	74-122	0.880	20	WG527090
1,3,5-Trimethylbenzene	mg/l	0.0227	0.0229	91.0	73-134	0.960	20	WG527090
1,3-Dichlorobenzene	mg/l	0.0239	0.0238	96.0	73-131	0.390	20	WG527090
1,3-Dichloropropane	mg/l	0.0248	0.0255	99.0	77-119	2.47	20	WG527090
1,4-Dichlorobenzene	mg/l	0.0235	0.0235	94.0	70-121	0.0600	20	WG527090
2,2-Dichloropropane	mg/l	0.0240	0.0241	96.0	46-151	0.700	20	WG527090
2-Butanone (MEK)	mg/l	0.148	0.156	118.	53-132	5.55	20	WG527090
2-Chloroethyl vinyl ether	mg/l	0.105	0.111	84.0	0-171	5.24	27	WG527090
2-Chlorotoluene	mg/l	0.0221	0.0220	88.0	74-128	0.0500	20	WG527090
4-Chlorotoluene	mg/l	0.0221	0.0223	88.0	74-130	0.800	20	WG527090
4-Methyl-2-pentanone (MIBK)	mg/l	0.171	0.180	137.	60-142	4.99	20	WG527090
Acetone	mg/l	0.165	0.170	132.	48-134	3.16	20	WG527090
Acrolein	mg/l	0.128	0.131	102.	6-182	2.64	39	WG527090
Acrylonitrile	mg/l	0.189	0.191	151*	60-140	1.17	20	WG527090
Benzene	mg/l	0.0231	0.0227	92.0	67-126	1.90	20	WG527090
Bromobenzene	mg/l	0.0225	0.0231	90.0	76-123	2.62	20	WG527090
Bromodichloromethane	mg/l	0.0266	0.0278	106.	68-133	4.24	20	WG527090
Bromoform	mg/l	0.0272	0.0288	109.	60-139	5.81	20	WG527090
Bromomethane	mg/l	0.0198	0.0197	79.0	45-175	0.190	20	WG527090
Carbon tetrachloride	mg/l	0.0232	0.0226	93.0	64-141	2.88	20	WG527090
Chlorobenzene	mg/l	0.0225	0.0228	90.0	77-125	1.56	20	WG527090
Chlorodibromomethane	mg/l	0.0254	0.0263	102.	73-138	3.43	20	WG527090
Chloroethane	mg/l	0.0208	0.0207	83.0	49-155	0.440	20	WG527090
Chloroform	mg/l	0.0236	0.0238	94.0	66-126	0.870	20	WG527090
Chloromethane	mg/l	0.0252	0.0256	101.	45-152	1.63	20	WG527090
cis-1,2-Dichloroethene	mg/l	0.0233	0.0236	93.0	72-128	1.33	20	WG527090
cis-1,3-Dichloropropene	mg/l	0.0250	0.0254	100.	73-131	1.69	20	WG527090
Di-isopropyl ether	mg/l	0.0280	0.0281	112.	63-139	0.380	20	WG527090
Dibromomethane	mg/l	0.0280	0.0289	112.	73-125	3.18	20	WG527090
Dichlorodifluoromethane	mg/l	0.0221	0.0233	88.0	39-189	5.31	24	WG527090
Ethylbenzene	mg/l	0.0226	0.0225	90.0	76-129	0.410	20	WG527090
Hexachloro-1,3-butadiene	mg/l	0.0242	0.0234	97.0	67-135	3.16	20	WG527090
Isopropylbenzene	mg/l	0.0224	0.0228	90.0	73-132	1.57	20	WG527090
Methyl tert-butyl ether	mg/l	0.0259	0.0265	104.	51-142	2.09	20	WG527090
Methylene Chloride	mg/l	0.0231	0.0233	92.0	64-125	0.960	20	WG527090
n-Butylbenzene	mg/l	0.0229	0.0227	92.0	63-142	1.28	20	WG527090
n-Propylbenzene	mg/l	0.0220	0.0222	88.0	71-132	1.27	20	WG527090
Naphthalene	mg/l	0.0260	0.0253	104.	56-145	2.74	20	WG527090
p-Isopropyltoluene	mg/l	0.0228	0.0230	91.0	68-138	0.800	20	WG527090
sec-Butylbenzene	mg/l	0.0225	0.0226	90.0	70-135	0.520	20	WG527090

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YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
 412 E. Park Center Blvd, Ste 100
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Quality Assurance Report
 Level II

L507163

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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Styrene	mg/l	0.0239	0.0243	95.0	78-130	1.59	20	WG527090
tert-Butylbenzene	mg/l	0.0226	0.0226	90.0	72-134	0.300	20	WG527090
Tetrachloroethene	mg/l	0.0228	0.0232	91.0	67-135	1.72	20	WG527090
Toluene	mg/l	0.0232	0.0232	93.0	72-122	0.150	20	WG527090
trans-1,2-Dichloroethene	mg/l	0.0222	0.0218	89.0	67-129	2.21	20	WG527090
trans-1,3-Dichloropropene	mg/l	0.0258	0.0262	103.	66-137	1.46	20	WG527090
Trichloroethene	mg/l	0.0230	0.0234	92.0	74-126	1.64	20	WG527090
Trichlorofluoromethane	mg/l	0.0224	0.0229	90.0	54-156	2.07	20	WG527090
Vinyl chloride	mg/l	0.0213	0.0217	85.0	55-153	1.83	20	WG527090
Xylenes, Total	mg/l	0.0672	0.0681	90.0	75-128	1.40	20	WG527090
4-Bromofluorobenzene				89.05	75-128			WG527090
Dibromofluoromethane				103.7	79-125			WG527090
Toluene-d8				99.19	87-114			WG527090
Diesel Range Organics (DRO)	mg/kg	29.2	28.3	97.0	50-150	3.13	20	WG527224
Residual Range Organics (RRO)	mg/kg	22.0	20.8	73.0	50-150	5.67	20	WG527224
o-Terphenyl				76.00	50-150			WG527224
Gasoline Range Organics-NWTPH	mg/l	5.65	5.83	103.	70-124	3.09	20	WG527161
a,a,a-Trifluorotoluene(FID)				100.8	62-128			WG527161
Diesel Range Organics (DRO)	mg/l	0.696	0.769	93.0	50-150	9.85	20	WG527226
Residual Range Organics (RRO)	mg/l	0.555	0.568	74.0	50-150	2.31	20	WG527226
o-Terphenyl				80.70	50-150			WG527226
1-Methylnaphthalene	mg/l	0.00188	0.00187	94.0	70-130	0.550	25	WG527312
2-Chloronaphthalene	mg/l	0.00195	0.00196	98.0	70-130	0.364	25	WG527312
2-Methylnaphthalene	mg/l	0.00186	0.00186	93.0	70-130	0.0209	25	WG527312
Acenaphthene	mg/l	0.00195	0.00196	98.0	70-130	0.0901	25	WG527312
Acenaphthylene	mg/l	0.00229	0.00226	114.	70-130	1.15	25	WG527312
Anthracene	mg/l	0.00229	0.00228	114.	70-130	0.735	25	WG527312
Benzo(a)anthracene	mg/l	0.00245	0.00240	122.	70-130	1.96	25	WG527312
Benzo(a)pyrene	mg/l	0.00222	0.00217	111.	70-130	2.29	25	WG527312
Benzo(b)fluoranthene	mg/l	0.00217	0.00215	108.	70-130	0.529	25	WG527312
Benzo(g,h,i)perylene	mg/l	0.00196	0.00188	98.0	70-130	4.11	25	WG527312
Benzo(k)fluoranthene	mg/l	0.00186	0.00180	93.0	70-130	3.26	25	WG527312
Chrysene	mg/l	0.00194	0.00191	97.0	70-130	1.35	25	WG527312
Dibenz(a,h)anthracene	mg/l	0.00196	0.00183	98.0	70-130	6.94	25	WG527312
Fluoranthene	mg/l	0.00217	0.00209	108.	70-130	3.70	25	WG527312
Fluorene	mg/l	0.00198	0.00195	99.0	70-130	1.36	25	WG527312
Indeno(1,2,3-cd)pyrene	mg/l	0.00204	0.00195	102.	70-130	4.51	25	WG527312
Naphthalene	mg/l	0.00192	0.00190	96.0	70-130	0.978	25	WG527312
Phenanthrene	mg/l	0.00197	0.00195	99.0	70-130	1.24	25	WG527312
Pyrene	mg/l	0.00228	0.00228	114.	70-130	0.00830	25	WG527312
2-Fluorobiphenyl				92.18	70-130			WG527312
Nitrobenzene-d5				111.7	70-130			WG527312
p-Terphenyl-d14				100.4	70-130			WG527312
1-Methylnaphthalene	mg/kg	0.0353	0.0315	107.	41-110	11.5	24	WG526933
2-Chloronaphthalene	mg/kg	0.0310	0.0290	94.0	43-109	6.59	21	WG526933
2-Methylnaphthalene	mg/kg	0.0256	0.0216	78.0	38-104	17.1	24	WG526933
Acenaphthene	mg/kg	0.0312	0.0276	94.0	48-103	12.2	20	WG526933
Acenaphthylene	mg/kg	0.0296	0.0261	90.0	43-106	12.3	20	WG526933
Anthracene	mg/kg	0.0378	0.0313	115*	51-110	19.0	22	WG526933

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 Level II

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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzo(a)anthracene	mg/kg	0.0294	0.0257	89.0	38-126	13.5	20	WG526933
Benzo(a)pyrene	mg/kg	0.0350	0.0333	106.	47-118	4.75	20	WG526933
Benzo(b)fluoranthene	mg/kg	0.0297	0.0287	90.0	47-118	3.36	29	WG526933
Benzo(g,h,i)perylene	mg/kg	0.0323	0.0310	98.0	40-125	4.15	20	WG526933
Benzo(k)fluoranthene	mg/kg	0.0325	0.0289	98.0	45-121	11.7	31	WG526933
Chrysene	mg/kg	0.0356	0.0347	108.	35-135	2.50	20	WG526933
Dibenz(a,h)anthracene	mg/kg	0.0311	0.0303	94.0	41-124	2.67	20	WG526933
Fluoranthene	mg/kg	0.0344	0.0306	104.	50-114	11.7	20	WG526933
Fluorene	mg/kg	0.0304	0.0270	92.0	49-109	11.7	19	WG526933
Indeno(1,2,3-cd)pyrene	mg/kg	0.0320	0.0307	97.0	40-126	4.10	20	WG526933
Naphthalene	mg/kg	0.0315	0.0265	95.0	36-100	17.3	24	WG526933
Phenanthrene	mg/kg	0.0272	0.0252	82.0	46-108	7.55	21	WG526933
Pyrene	mg/kg	0.0324	0.0306	98.0	30-136	5.53	20	WG526933
2-Fluorobiphenyl				84.96	33-114			WG526933
Nitrobenzene-d5				90.08	21-120			WG526933
p-Terphenyl-d14				90.18	18-142			WG526933
Nitrate-Nitrite	mg/l	5.20	5.28	104.	85-115	1.53	20	WG527328
1,4-Dichlorobenzene	ppm	0.00680	0.00671	68.0	19-103	1.26	50	WG527461
2,4,5-Trichlorophenol	ppm	0.00954	0.0103	95.0	48-120	7.74	29	WG527461
2,4,6-Trichlorophenol	ppm	0.00868	0.00837	87.0	49-118	3.66	28	WG527461
2,4-Dinitrotoluene	ppm	0.00979	0.00985	98.0	56-128	0.580	24	WG527461
2-Methylphenol	ppm	0.00665	0.00631	66.0	42-99	5.19	26	WG527461
3&4-Methyl Phenol	ppm	0.00801	0.00813	80.0	36-102	1.42	31	WG527461
Hexachloro-1,3-butadiene	ppm	0.00856	0.00905	86.0	21-116	5.62	50	WG527461
Hexachlorobenzene	ppm	0.00942	0.00969	94.0	51-121	2.82	23	WG527461
Hexachloroethane	ppm	0.00626	0.00633	62.0	15-109	1.11	50	WG527461
Nitrobenzene	ppm	0.00710	0.00742	71.0	31-105	4.39	43	WG527461
Pentachlorophenol	ppm	0.00513	0.00587	51.0	20-122	13.6	50	WG527461
Pyridine	ppm	0.00376	0.00404	38.0	7-48	7.27	50	WG527461
2,4,6-Tribromophenol				91.14	10-148			WG527461
2-Fluorobiphenyl				86.65	26-122			WG527461
2-Fluorophenol				57.95	10-87			WG527461
Nitrobenzene-d5				68.98	12-120			WG527461
Phenol-d5				42.34	10-67			WG527461
p-Terphenyl-d14				115.2	34-149			WG527461
Ammonia Nitrogen	mg/kg	550.	555.	110.	50-150	0.905	20	WG527499
Ammonia Nitrogen	mg/l	8.17	8.18	109.	90-110	0.122	20	WG527366
2,4,5-T	mg/l	0.00349	0.00388	70.0	30-136	10.5	31	WG527451
2,4,5-TP (Silvex)	mg/l	0.00333	0.00336	67.0	33-134	0.895	30	WG527451
2,4-D	mg/l	0.00340	0.00408	68.0	24-127	18.1	27	WG527451
2,4-DB	mg/l	0.00299	0.00356	60.0	22-198	17.6	33	WG527451
Dalapon	mg/l	0.00313	0.00335	62.0	14-121	7.05	31	WG527451
Dicamba	mg/l	0.00364	0.00397	73.0	31-135	8.72	25	WG527451
Dichloroprop	mg/l	0.00263	0.00291	52.0	30-122	10.2	26	WG527451
Dinoseb	mg/l	0.00264	0.00315	53.0	28-183	17.3	38	WG527451
MCPA	mg/l	0.374	0.366	75.0	32-153	2.17	31	WG527451
MCPA	mg/l	0.487	0.483	97.0	42-133	0.751	29	WG527451
2,4-Dichlorophenyl Acetic Acid				93.60	42-112			WG527451

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Est. 1970

March 28, 2011

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
2,4,5-TP (Silvex)	mg/l	0.00333	0.00336	67.0	33-134	0.895	30	WG527452
2,4-D	mg/l	0.00340	0.00408	68.0	24-127	18.1	27	WG527452
Endrin	mg/l	0.000181	0.000182	91.0	37-126	0.356	37	WG527547
Lindane	mg/l	0.000180	0.000177	90.0	35-114	1.98	30	WG527547
Heptachlor	mg/l	0.000163	0.000161	82.0	21-123	1.42	38	WG527547
Methoxychlor	mg/l	0.000190	0.000188	95.0	55-150	0.895	40	WG527547
Decachlorobiphenyl				89.61	10-122.6			WG527547
Tetrachloro-m-xylene				92.49	15.3-114.2			WG527547

Analyte	Units	MS Res	Matrix Spike			Limit	Ref Samp	Batch
			Ref Res	TV	% Rec			
Gasoline Range Organics-NWTPH	mg/kg	373.	32.9	5.5	73.7	55-109	L506805-03	WG526955
a,a,a-Trifluorotoluene(FID)					94.22	59-128		WG526955
1,1,1,2-Tetrachloroethane	mg/kg	0.119	0	.025	95.1	29-145	L507092-10	WG526895
1,1,1-Trichloroethane	mg/kg	0.109	0	.025	87.5	23-147	L507092-10	WG526895
1,1,2,2-Tetrachloroethane	mg/kg	0.108	0	.025	86.0	18-150	L507092-10	WG526895
1,1,2-Trichloroethane	mg/kg	0.111	0	.025	89.0	35-140	L507092-10	WG526895
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.129	0	.025	103.	10-145	L507092-10	WG526895
1,1-Dichloroethane	mg/kg	0.103	0	.025	82.5	24-148	L507092-10	WG526895
1,1-Dichloroethene	mg/kg	0.109	0	.025	87.0	10-149	L507092-10	WG526895
1,1-Dichloropropene	mg/kg	0.100	0	.025	80.2	10-141	L507092-10	WG526895
1,2,3-Trichlorobenzene	mg/kg	0.109	0	.025	87.6	10-129	L507092-10	WG526895
1,2,3-Trichloropropane	mg/kg	0.118	0	.025	94.4	30-148	L507092-10	WG526895
1,2,3-Trimethylbenzene	mg/kg	0.103	0	.025	82.8	10-137	L507092-10	WG526895
1,2,4-Trichlorobenzene	mg/kg	0.108	0	.025	86.4	10-119	L507092-10	WG526895
1,2,4-Trimethylbenzene	mg/kg	0.112	0	.025	89.9	10-145	L507092-10	WG526895
1,2-Dibromo-3-Chloropropane	mg/kg	0.111	0	.025	88.4	19-145	L507092-10	WG526895
1,2-Dibromoethane	mg/kg	0.115	0	.025	92.0	24-145	L507092-10	WG526895
1,2-Dichlorobenzene	mg/kg	0.112	0	.025	89.4	12-130	L507092-10	WG526895
1,2-Dichloroethane	mg/kg	0.0939	0	.025	75.1	21-155	L507092-10	WG526895
1,2-Dichloropropane	mg/kg	0.106	0	.025	84.4	28-144	L507092-10	WG526895
1,3,5-Trimethylbenzene	mg/kg	0.116	0	.025	93.0	10-135	L507092-10	WG526895
1,3-Dichlorobenzene	mg/kg	0.119	0	.025	94.8	10-129	L507092-10	WG526895
1,3-Dichloropropane	mg/kg	0.0994	0	.025	79.5	31-137	L507092-10	WG526895
1,4-Dichlorobenzene	mg/kg	0.106	0	.025	84.7	10-121	L507092-10	WG526895
2,2-Dichloropropane	mg/kg	0.110	0	.025	87.7	18-144	L507092-10	WG526895
2-Butanone (MEK)	mg/kg	0.411	0	.125	65.7	21-143	L507092-10	WG526895
2-Chloroethyl vinyl ether	mg/kg	0.392	0	.125	62.6	0-176	L507092-10	WG526895
2-Chlorotoluene	mg/kg	0.109	0	.025	87.3	10-132	L507092-10	WG526895
4-Chlorotoluene	mg/kg	0.105	0	.025	84.2	10-129	L507092-10	WG526895
4-Methyl-2-pentanone (MIBK)	mg/kg	0.485	0	.125	77.6	31-151	L507092-10	WG526895
Acetone	mg/kg	0.427	0	.125	68.4	13-158	L507092-10	WG526895
Acrylonitrile	mg/kg	0.469	0	.125	75.0	20-154	L507092-10	WG526895
Benzene	mg/kg	0.0985	0	.025	78.8	16-143	L507092-10	WG526895
Bromobenzene	mg/kg	0.105	0	.025	84.1	14-135	L507092-10	WG526895
Bromodichloromethane	mg/kg	0.103	0	.025	82.4	27-139	L507092-10	WG526895
Bromoform	mg/kg	0.117	0	.025	93.8	21-144	L507092-10	WG526895
Bromomethane	mg/kg	0.140	0	.025	112.	0-180	L507092-10	WG526895
Carbon tetrachloride	mg/kg	0.111	0	.025	88.7	12-149	L507092-10	WG526895
Chlorobenzene	mg/kg	0.115	0	.025	91.6	17-134	L507092-10	WG526895
Chlorodibromomethane	mg/kg	0.117	0	.025	93.4	28-147	L507092-10	WG526895
Chloroethane	mg/kg	0.125	0	.025	99.8	0-172	L507092-10	WG526895
Chloroform	mg/kg	0.103	0	.025	82.2	28-138	L507092-10	WG526895

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YOUR LAB OF CHOICE

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 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

12065 Lebanon Rd.
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 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Chloromethane	mg/kg	0.0964	0	.025	77.1	10-158	L507092-10	WG526895
cis-1,2-Dichloroethene	mg/kg	0.106	0	.025	84.6	21-147	L507092-10	WG526895
cis-1,3-Dichloropropene	mg/kg	0.0980	0	.025	78.4	17-145	L507092-10	WG526895
Di-isopropyl ether	mg/kg	0.0936	0	.025	74.9	31-153	L507092-10	WG526895
Dibromomethane	mg/kg	0.111	0	.025	88.8	24-147	L507092-10	WG526895
Dichlorodifluoromethane	mg/kg	0.104	0	.025	83.5	0-192	L507092-10	WG526895
Ethylbenzene	mg/kg	0.116	0	.025	92.8	12-137	L507092-10	WG526895
Hexachloro-1,3-butadiene	mg/kg	0.120	0	.025	95.8	10-123	L507092-10	WG526895
Isopropylbenzene	mg/kg	0.115	0	.025	92.4	14-134	L507092-10	WG526895
Methyl tert-butyl ether	mg/kg	0.0944	0	.025	75.5	21-157	L507092-10	WG526895
Methylene Chloride	mg/kg	0.102	0	.025	81.7	12-149	L507092-10	WG526895
n-Butylbenzene	mg/kg	0.100	0	.025	80.1	10-130	L507092-10	WG526895
n-Propylbenzene	mg/kg	0.113	0	.025	90.0	10-130	L507092-10	WG526895
Naphthalene	mg/kg	0.106	0	.025	85.1	0-146	L507092-10	WG526895
p-Isopropyltoluene	mg/kg	0.119	0	.025	95.3	10-131	L507092-10	WG526895
sec-Butylbenzene	mg/kg	0.117	0	.025	93.4	10-134	L507092-10	WG526895
Styrene	mg/kg	0.110	0	.025	88.0	10-140	L507092-10	WG526895
tert-Butylbenzene	mg/kg	0.124	0	.025	98.8	11-137	L507092-10	WG526895
Tetrachloroethene	mg/kg	0.123	0	.025	98.4	10-131	L507092-10	WG526895
Toluene	mg/kg	0.0993	0	.025	79.4	12-136	L507092-10	WG526895
trans-1,2-Dichloroethene	mg/kg	0.103	0	.025	82.7	10-143	L507092-10	WG526895
trans-1,3-Dichloropropene	mg/kg	0.0933	0	.025	74.6	16-147	L507092-10	WG526895
Trichloroethene	mg/kg	0.122	0	.025	97.6	10-155	L507092-10	WG526895
Trichlorofluoromethane	mg/kg	0.115	0	.025	92.3	10-154	L507092-10	WG526895
Vinyl chloride	mg/kg	0.114	0	.025	91.2	10-159	L507092-10	WG526895
Xylenes, Total	mg/kg	0.339	0	.075	90.4	10-138	L507092-10	WG526895
4-Bromofluorobenzene					98.71	59-140		WG526895
Dibromofluoromethane					99.43	63-139		WG526895
Toluene-d8					99.57	84-116		WG526895
1,1-Dichloroethene	mg/l	1.67	0	1.25	134.	10-162	L506726-01	WG527143
1,2-Dichloroethane	mg/l	1.63	0	1.25	130.	29-167	L506726-01	WG527143
2-Butanone (MEK)	mg/l	6.53	0	6.25	104.	32-151	L506726-01	WG527143
Benzene	mg/l	1.56	0	1.25	125.	16-158	L506726-01	WG527143
Carbon tetrachloride	mg/l	1.54	0	1.25	124.	22-168	L506726-01	WG527143
Chlorobenzene	mg/l	1.29	0	1.25	103.	33-148	L506726-01	WG527143
Chloroform	mg/l	1.60	0	1.25	128.	37-147	L506726-01	WG527143
Tetrachloroethene	mg/l	1.36	0	1.25	108.	13-157	L506726-01	WG527143
Trichloroethene	mg/l	1.52	0	1.25	122.	18-163	L506726-01	WG527143
Vinyl chloride	mg/l	1.75	0	1.25	140.	0-179	L506726-01	WG527143
4-Bromofluorobenzene					92.07	75-128		WG527143
Dibromofluoromethane					115.5	79-125		WG527143
Toluene-d8					107.5	87-114		WG527143
a,a,a-Trifluorotoluene					110.1	84-114		WG527143
1,1,1,2-Tetrachloroethane	mg/l	0.0255	0	.025	102.	45-152	L507159-27	WG527090
1,1,1-Trichloroethane	mg/l	0.0231	0.00100	.025	88.6	31-161	L507159-27	WG527090
1,1,2,2-Tetrachloroethane	mg/l	0.0313	0	.025	125.	49-149	L507159-27	WG527090
1,1,2-Trichloroethane	mg/l	0.0267	0	.025	107.	46-145	L507159-27	WG527090
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0175	0	.025	69.9	14-168	L507159-27	WG527090
1,1-Dichloroethane	mg/l	0.0257	0.00310	.025	90.4	30-159	L507159-27	WG527090
1,1-Dichloroethene	mg/l	0.0212	0.00430	.025	67.6	10-162	L507159-27	WG527090
1,1-Dichloropropene	mg/l	0.0215	0	.025	85.9	14-162	L507159-27	WG527090
1,2,3-Trichlorobenzene	mg/l	0.0271	0	.025	108.	32-143	L507159-27	WG527090
1,2,3-Trichloropropane	mg/l	0.0294	0	.025	118.	48-148	L507159-27	WG527090
1,2,3-Trimethylbenzene	mg/l	0.0240	0	.025	95.9	36-141	L507159-27	WG527090
1,2,4-Trichlorobenzene	mg/l	0.0240	0	.025	96.0	27-142	L507159-27	WG527090

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
1,2,4-Trimethylbenzene	mg/l	0.0237	0	.025	94.7	29-153	L507159-27	WG527090
1,2-Dibromo-3-Chloropropane	mg/l	0.0316	0	.025	126.	37-148	L507159-27	WG527090
1,2-Dibromoethane	mg/l	0.0275	0	.025	110.	41-149	L507159-27	WG527090
1,2-Dichlorobenzene	mg/l	0.0249	0	.025	99.6	40-139	L507159-27	WG527090
1,2-Dichloroethane	mg/l	0.0260	0	.025	104.	29-167	L507159-27	WG527090
1,2-Dichloropropane	mg/l	0.0274	0	.025	109.	39-148	L507159-27	WG527090
1,3,5-Trimethylbenzene	mg/l	0.0230	0	.025	92.1	33-149	L507159-27	WG527090
1,3-Dichlorobenzene	mg/l	0.0238	0	.025	95.4	32-148	L507159-27	WG527090
1,3-Dichloropropane	mg/l	0.0250	0	.025	99.8	44-142	L507159-27	WG527090
1,4-Dichlorobenzene	mg/l	0.0228	0	.025	91.4	32-136	L507159-27	WG527090
2,2-Dichloropropane	mg/l	0.0212	0	.025	85.0	14-158	L507159-27	WG527090
2-Butanone (MEK)	mg/l	0.141	0	.125	113.	32-151	L507159-27	WG527090
2-Chloroethyl vinyl ether	mg/l	0.000524	0	.125	0.419	0-175	L507159-27	WG527090
2-Chlorotoluene	mg/l	0.0221	0	.025	88.4	35-147	L507159-27	WG527090
4-Chlorotoluene	mg/l	0.0223	0	.025	89.2	33-147	L507159-27	WG527090
4-Methyl-2-pentanone (MIBK)	mg/l	0.166	0	.125	133.	40-160	L507159-27	WG527090
Acetone	mg/l	0.138	0	.125	110.	25-157	L507159-27	WG527090
Acrolein	mg/l	0.161	0	.125	129.	0-179	L507159-27	WG527090
Acrylonitrile	mg/l	0.183	0	.125	146.	37-162	L507159-27	WG527090
Benzene	mg/l	0.0222	0	.025	88.6	16-158	L507159-27	WG527090
Bromobenzene	mg/l	0.0227	0	.025	90.7	37-147	L507159-27	WG527090
Bromodichloromethane	mg/l	0.0276	0	.025	110.	45-147	L507159-27	WG527090
Bromoform	mg/l	0.0271	0	.025	108.	38-152	L507159-27	WG527090
Bromomethane	mg/l	0.0219	0	.025	87.6	0-191	L507159-27	WG527090
Carbon tetrachloride	mg/l	0.0217	0	.025	86.7	22-168	L507159-27	WG527090
Chlorobenzene	mg/l	0.0227	0	.025	90.8	33-148	L507159-27	WG527090
Chlorodibromomethane	mg/l	0.0255	0	.025	102.	48-151	L507159-27	WG527090
Chloroethane	mg/l	0.0224	0	.025	89.7	4-176	L507159-27	WG527090
Chloroform	mg/l	0.0224	0	.025	89.8	37-147	L507159-27	WG527090
Chloromethane	mg/l	0.0286	0	.025	114.	10-174	L507159-27	WG527090
cis-1,2-Dichloroethene	mg/l	0.0258	0.00490	.025	83.6	29-156	L507159-27	WG527090
cis-1,3-Dichloropropene	mg/l	0.0231	0	.025	92.4	35-148	L507159-27	WG527090
Di-isopropyl ether	mg/l	0.0262	0	.025	105.	39-160	L507159-27	WG527090
Dibromomethane	mg/l	0.0285	0	.025	114.	36-152	L507159-27	WG527090
Dichlorodifluoromethane	mg/l	0.0245	0	.025	97.9	0-200	L507159-27	WG527090
Ethylbenzene	mg/l	0.0227	0	.025	90.9	29-150	L507159-27	WG527090
Hexachloro-1,3-butadiene	mg/l	0.0246	0	.025	98.4	28-144	L507159-27	WG527090
Isopropylbenzene	mg/l	0.0206	0	.025	82.4	35-147	L507159-27	WG527090
Methyl tert-butyl ether	mg/l	0.0235	0	.025	94.2	24-167	L507159-27	WG527090
Methylene Chloride	mg/l	0.0216	0	.025	86.2	23-151	L507159-27	WG527090
n-Butylbenzene	mg/l	0.0225	0	.025	90.1	22-151	L507159-27	WG527090
n-Propylbenzene	mg/l	0.0221	0	.025	88.4	26-150	L507159-27	WG527090
Naphthalene	mg/l	0.0251	0	.025	100.	24-160	L507159-27	WG527090
p-Isopropyltoluene	mg/l	0.0229	0	.025	91.4	28-151	L507159-27	WG527090
sec-Butylbenzene	mg/l	0.0226	0	.025	90.3	32-149	L507159-27	WG527090
Styrene	mg/l	0.0267	0	.025	107.	38-149	L507159-27	WG527090
tert-Butylbenzene	mg/l	0.0224	0	.025	89.8	36-149	L507159-27	WG527090
Tetrachloroethene	mg/l	0.0227	0	.025	90.7	13-157	L507159-27	WG527090
Toluene	mg/l	0.0238	0	.025	95.3	22-152	L507159-27	WG527090
trans-1,2-Dichloroethene	mg/l	0.0209	0	.025	83.7	11-160	L507159-27	WG527090
trans-1,3-Dichloropropene	mg/l	0.0255	0	.025	102.	33-153	L507159-27	WG527090
Trichloroethene	mg/l	0.0547	0.0610	.025	0*	18-163	L507159-27	WG527090
Trichlorofluoromethane	mg/l	0.0249	0	.025	99.6	10-177	L507159-27	WG527090
Vinyl chloride	mg/l	0.0237	0	.025	94.6	0-179	L507159-27	WG527090
Xylenes, Total	mg/l	0.0692	0	.075	92.2	27-151	L507159-27	WG527090
4-Bromofluorobenzene					91.36	75-128		WG527090
Dibromofluoromethane					105.3	79-125		WG527090
Toluene-d8					98.91	87-114		WG527090

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Est. 1970

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Diesel Range Organics (DRO)	mg/kg	31.4	8.70	30	75.7	50-150	L507163-05	WG527224
Residual Range Organics (RRO)	mg/kg	25.6	14.0	30	38.8*	50-150	L507163-05	WG527224
o-Terphenyl					61.33	50-150		WG527224
Mercury	mg/l	0.00304	0	.003	101.	70-130	L506755-01	WG527395
Mercury	mg/l	0.00296	0	.003	98.7	70-130	L507091-04	WG527395
Mercury, Dissolved	mg/l	0.00222	0	.003	74.0	70-130	L507146-01	WG527147
Arsenic	mg/l	1.18	0.0171	1.13	103.	75-125	L507322-09	WG527408
Barium	mg/l	1.14	0.160	1.13	86.7	75-125	L507322-09	WG527408
Cadmium	mg/l	1.04	0	1.13	92.0	75-125	L507322-09	WG527408
Chromium	mg/l	1.07	0	1.13	94.7	75-125	L507322-09	WG527408
Lead	mg/l	1.06	0	1.13	93.8	75-125	L507322-09	WG527408
Selenium	mg/l	1.24	0.0338	1.13	107.	75-125	L507322-09	WG527408
Silver	mg/l	0.740	0.000140	1.13	65.5*	75-125	L507322-09	WG527408
Gasoline Range Organics-NWTPH	mg/l	5.43	0	5.5	98.7	58-122	L507276-01	WG527161
1-Methylnaphthalene	mg/kg	0.0322	0	.033	97.6	19-131	L507138-03	WG526933
2-Chloronaphthalene	mg/kg	0.0331	0	.033	100.	38-117	L507138-03	WG526933
2-Methylnaphthalene	mg/kg	0.0328	0	.033	99.4	18-125	L507138-03	WG526933
Acenaphthene	mg/kg	0.0324	0	.033	98.3	31-120	L507138-03	WG526933
Acenaphthylene	mg/kg	0.0337	0	.033	102.	34-116	L507138-03	WG526933
Anthracene	mg/kg	0.0334	0	.033	101.	32-131	L507138-03	WG526933
Benzo(a)anthracene	mg/kg	0.0310	0	.033	94.0	32-131	L507138-03	WG526933
Benzo(a)pyrene	mg/kg	0.0337	0	.033	102.	28-130	L507138-03	WG526933
Benzo(b)fluoranthene	mg/kg	0.0348	0	.033	106.	37-130	L507138-03	WG526933
Benzo(g,h,i)perylene	mg/kg	0.0217	0	.033	65.8	10-134	L507138-03	WG526933
Benzo(k)fluoranthene	mg/kg	0.0337	0	.033	102.	31-129	L507138-03	WG526933
Chrysene	mg/kg	0.0322	0	.033	97.6	25-137	L507138-03	WG526933
Dibenz(a,h)anthracene	mg/kg	0.0241	0	.033	73.1	20-134	L507138-03	WG526933
Fluoranthene	mg/kg	0.0359	0	.033	109.	27-138	L507138-03	WG526933
Fluorene	mg/kg	0.0327	0	.033	99.1	26-136	L507138-03	WG526933
Indeno(1,2,3-cd)pyrene	mg/kg	0.0234	0	.033	70.9	16-135	L507138-03	WG526933
Naphthalene	mg/kg	0.0303	0	.033	91.8	22-121	L507138-03	WG526933
Phenanthrene	mg/kg	0.0318	0	.033	96.3	27-133	L507138-03	WG526933
Pyrene	mg/kg	0.0316	0	.033	95.9	22-133	L507138-03	WG526933
2-Fluorobiphenyl					96.10	33-114		WG526933
Nitrobenzene-d5					95.58	21-120		WG526933
p-Terphenyl-d14					83.45	18-142		WG526933
Arsenic, Dissolved	mg/l	1.05	0	1.13	92.9	75-125	L507146-09	WG527255
Barium, Dissolved	mg/l	1.02	0.0710	1.13	84.0	75-125	L507146-09	WG527255
Chromium, Dissolved	mg/l	1.22	0	1.13	108.	75-125	L507146-09	WG527255
Selenium, Dissolved	mg/l	1.00	0	1.13	88.5	75-125	L507146-09	WG527255
Silver, Dissolved	mg/l	0.166	0	1.13	14.7*	75-125	L507146-09	WG527255
Nitrate-Nitrite	mg/l	45.4	20.0	5	101.	80-120	L507336-03	WG527328

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Ammonia Nitrogen	mg/kg	156.	0	250	62.4*	80-120	L507344-03	WG527499
Ammonia Nitrogen	mg/l	23.7	18.0	5	114.*	90-110	L506653-01	WG527366
2,4,5-TP (Silvex)	mg/l	0.0349	0	.05	69.8	33-134	L507163-06	WG527452
2,4-D	mg/l	0.0397	0	.05	79.5	24-127	L507163-06	WG527452
Lead,Dissolved	mg/l	1.13	0	1.13	100.	75-125	L507146-09	WG527255
1,4-Dichlorobenzene	ppm	0.0586	0	.1	58.6	10-108	L507096-04	WG527461
2,4,5-Trichlorophenol	ppm	0.0986	0	.1	98.6	10-136	L507096-04	WG527461
2,4,6-Trichlorophenol	ppm	0.0783	0	.1	78.3	10-137	L507096-04	WG527461
2,4-Dinitrotoluene	ppm	0.0931	0	.1	93.1	32-137	L507096-04	WG527461
2-Methylphenol	ppm	0.0408	0	.1	40.8	13-110	L507096-04	WG527461
3&4-Methyl Phenol	ppm	0.0455	0	.1	45.5	10-56	L507096-04	WG527461
Hexachloro-1,3-butadiene	ppm	0.0753	0	.1	75.2	16-118	L507096-04	WG527461
Hexachlorobenzene	ppm	0.0973	0	.1	97.3	41-114	L507096-04	WG527461
Hexachloroethane	ppm	0.0538	0	.1	53.8	10-125	L507096-04	WG527461
Nitrobenzene	ppm	0.0640	0	.1	64.0	14-122	L507096-04	WG527461
Pentachlorophenol	ppm	0.0734	0	.1	73.4	0-137	L507096-04	WG527461
Pyridine	ppm	0.0294	0	.1	29.4	0-70	L507096-04	WG527461
2,4,6-Tribromophenol					91.80	10-148		WG527461
2-Fluorobiphenyl					81.20	26-122		WG527461
2-Fluorophenol					33.60	10-87		WG527461
Nitrobenzene-d5					61.30	12-120		WG527461
Phenol-d5					26.60	10-67		WG527461
p-Terphenyl-d14					109.3	34-149		WG527461
Endrin	mg/l	0.00199	0	.002	99.4	37-126	L507163-06	WG527547
Lindane	mg/l	0.00175	0	.002	87.7	35-114	L507163-06	WG527547
Heptachlor	mg/l	0.00168	0	.002	84.1	21-123	L507163-06	WG527547
Methoxychlor	mg/l	0.00188	0	.002	93.9	55-150	L507163-06	WG527547
Decachlorobiphenyl					90.30	10-122.6		WG527547
Tetrachloro-m-xylene					90.40	15.3-114.2		WG527547

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Gasoline Range Organics-NWTPH	mg/kg	443.	373.	88.8	55-109	17.2	20	L506805-03	WG526955
a,a,a-Trifluorotoluene(FID)				105.4	59-128				WG526955
1,1,1,2-Tetrachloroethane	mg/kg	0.128	0.119	102.	29-145	7.53	31	L507092-10	WG526895
1,1,1-Trichloroethane	mg/kg	0.106	0.109	85.2	23-147	2.68	32	L507092-10	WG526895
1,1,2,2-Tetrachloroethane	mg/kg	0.130	0.108	104.	18-150	19.3	33	L507092-10	WG526895
1,1,2-Trichloroethane	mg/kg	0.131	0.111	105.	35-140	16.5	29	L507092-10	WG526895
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.121	0.129	97.1	10-145	5.94	35	L507092-10	WG526895
1,1-Dichloroethane	mg/kg	0.0993	0.103	79.5	24-148	3.79	31	L507092-10	WG526895
1,1-Dichloroethene	mg/kg	0.106	0.109	85.0	10-149	2.30	34	L507092-10	WG526895
1,1-Dichloropropene	mg/kg	0.0965	0.100	77.2	10-141	3.77	34	L507092-10	WG526895
1,2,3-Trichlorobenzene	mg/kg	0.125	0.109	99.9	10-129	13.2	43	L507092-10	WG526895
1,2,3-Trichloropropane	mg/kg	0.133	0.118	107.	30-148	12.2	32	L507092-10	WG526895
1,2,3-Trimethylbenzene	mg/kg	0.104	0.103	83.0	10-137	0.230	36	L507092-10	WG526895
1,2,4-Trichlorobenzene	mg/kg	0.120	0.108	96.3	10-119	10.8	44	L507092-10	WG526895

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Quality Assurance Report
 Level II

L507163

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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
1,2,4-Trimethylbenzene	mg/kg	0.121	0.112	96.9	10-145	7.53	41	L507092-10	WG526895
1,2-Dibromo-3-Chloropropane	mg/kg	0.138	0.111	111.	19-145	22.5	35	L507092-10	WG526895
1,2-Dibromoethane	mg/kg	0.132	0.115	106.	24-145	13.9	31	L507092-10	WG526895
1,2-Dichlorobenzene	mg/kg	0.113	0.112	90.4	12-130	1.04	35	L507092-10	WG526895
1,2-Dichloroethane	mg/kg	0.102	0.0939	81.4	21-155	8.01	29	L507092-10	WG526895
1,2-Dichloropropane	mg/kg	0.109	0.106	87.4	28-144	3.39	30	L507092-10	WG526895
1,3,5-Trimethylbenzene	mg/kg	0.122	0.116	97.2	10-135	4.44	39	L507092-10	WG526895
1,3-Dichlorobenzene	mg/kg	0.131	0.119	104.	10-129	9.71	38	L507092-10	WG526895
1,3-Dichloropropane	mg/kg	0.115	0.0994	91.8	31-137	14.3	29	L507092-10	WG526895
1,4-Dichlorobenzene	mg/kg	0.107	0.106	85.8	10-121	1.32	36	L507092-10	WG526895
2,2-Dichloropropane	mg/kg	0.103	0.110	82.6	18-144	5.91	32	L507092-10	WG526895
2-Butanone (MEK)	mg/kg	0.507	0.411	81.1	21-143	21.0	37	L507092-10	WG526895
2-Chloroethyl vinyl ether	mg/kg	0.549	0.392	87.9	0-176	33.6	50	L507092-10	WG526895
2-Chlorotoluene	mg/kg	0.117	0.109	93.4	10-132	6.68	37	L507092-10	WG526895
4-Chlorotoluene	mg/kg	0.114	0.105	91.0	10-129	7.71	38	L507092-10	WG526895
4-Methyl-2-pentanone (MIBK)	mg/kg	0.595	0.485	95.1	31-151	20.4	36	L507092-10	WG526895
Acetone	mg/kg	0.519	0.427	83.1	13-158	19.5	34	L507092-10	WG526895
Acrylonitrile	mg/kg	0.544	0.469	87.0	20-154	14.7	35	L507092-10	WG526895
Benzene	mg/kg	0.0984	0.0985	78.7	16-143	0.0400	31	L507092-10	WG526895
Bromobenzene	mg/kg	0.116	0.105	93.1	14-135	10.2	39	L507092-10	WG526895
Bromodichloromethane	mg/kg	0.107	0.103	85.8	27-139	4.09	30	L507092-10	WG526895
Bromoform	mg/kg	0.136	0.117	109.	21-144	14.7	34	L507092-10	WG526895
Bromomethane	mg/kg	0.140	0.140	112.	0-180	0.130	41	L507092-10	WG526895
Carbon tetrachloride	mg/kg	0.106	0.111	84.7	12-149	4.65	34	L507092-10	WG526895
Chlorobenzene	mg/kg	0.123	0.115	98.0	17-134	6.75	34	L507092-10	WG526895
Chlorodibromomethane	mg/kg	0.133	0.117	106.	28-147	13.0	32	L507092-10	WG526895
Chloroethane	mg/kg	0.126	0.125	101.	0-172	1.37	38	L507092-10	WG526895
Chloroform	mg/kg	0.101	0.103	80.6	28-138	1.90	30	L507092-10	WG526895
Chloromethane	mg/kg	0.0926	0.0964	74.1	10-158	3.97	35	L507092-10	WG526895
cis-1,2-Dichloroethene	mg/kg	0.108	0.106	86.2	21-147	1.80	31	L507092-10	WG526895
cis-1,3-Dichloropropene	mg/kg	0.102	0.0980	81.5	17-145	3.89	32	L507092-10	WG526895
Di-isopropyl ether	mg/kg	0.0962	0.0936	77.0	31-153	2.77	29	L507092-10	WG526895
Dibromomethane	mg/kg	0.119	0.111	95.2	24-147	6.95	30	L507092-10	WG526895
Dichlorodifluoromethane	mg/kg	0.100	0.104	80.0	0-192	4.32	38	L507092-10	WG526895
Ethylbenzene	mg/kg	0.121	0.116	96.6	12-137	3.98	36	L507092-10	WG526895
Hexachloro-1,3-butadiene	mg/kg	0.125	0.120	99.9	10-123	4.15	50	L507092-10	WG526895
Isopropylbenzene	mg/kg	0.122	0.115	97.6	14-134	5.52	37	L507092-10	WG526895
Methyl tert-butyl ether	mg/kg	0.0996	0.0944	79.7	21-157	5.37	31	L507092-10	WG526895
Methylene Chloride	mg/kg	0.101	0.102	80.5	12-149	1.51	31	L507092-10	WG526895
n-Butylbenzene	mg/kg	0.0984	0.100	78.8	10-130	1.68	48	L507092-10	WG526895
n-Propylbenzene	mg/kg	0.117	0.113	93.9	10-130	4.17	40	L507092-10	WG526895
Naphthalene	mg/kg	0.127	0.106	102.	0-146	17.9	43	L507092-10	WG526895
p-Isopropyltoluene	mg/kg	0.127	0.119	101.	10-131	6.12	43	L507092-10	WG526895
sec-Butylbenzene	mg/kg	0.123	0.117	98.3	10-134	5.16	43	L507092-10	WG526895
Styrene	mg/kg	0.122	0.110	97.3	10-140	10.1	35	L507092-10	WG526895
tert-Butylbenzene	mg/kg	0.130	0.124	104.	11-137	4.88	39	L507092-10	WG526895
Tetrachloroethene	mg/kg	0.130	0.123	104.	10-131	5.43	35	L507092-10	WG526895
Toluene	mg/kg	0.102	0.0993	81.3	12-136	2.30	32	L507092-10	WG526895
trans-1,2-Dichloroethene	mg/kg	0.101	0.103	80.5	10-143	2.70	33	L507092-10	WG526895
trans-1,3-Dichloropropene	mg/kg	0.101	0.0933	80.6	16-147	7.67	32	L507092-10	WG526895
Trichloroethene	mg/kg	0.123	0.122	98.0	10-155	0.400	33	L507092-10	WG526895
Trichlorofluoromethane	mg/kg	0.114	0.115	91.0	10-154	1.40	32	L507092-10	WG526895
Vinyl chloride	mg/kg	0.110	0.114	88.0	10-159	3.52	36	L507092-10	WG526895
Xylenes, Total	mg/kg	0.359	0.339	95.8	10-138	5.81	36	L507092-10	WG526895
4-Bromofluorobenzene				104.6	59-140				WG526895
Dibromofluoromethane				97.18	63-139				WG526895
Toluene-d8				99.55	84-116				WG526895

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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
1,1-Dichloroethene	mg/l	1.48	1.67	118.	10-162	12.4	23	L506726-01	WG527143
1,2-Dichloroethane	mg/l	1.57	1.63	126.	29-167	3.89	21	L506726-01	WG527143
2-Butanone (MEK)	mg/l	6.63	6.53	106.	32-151	1.62	26	L506726-01	WG527143
Benzene	mg/l	1.48	1.56	118.	16-158	5.72	21	L506726-01	WG527143
Carbon tetrachloride	mg/l	1.40	1.54	112.	22-168	9.65	24	L506726-01	WG527143
Chlorobenzene	mg/l	1.32	1.29	106.	33-148	2.08	22	L506726-01	WG527143
Chloroform	mg/l	1.46	1.60	116.	37-147	9.26	21	L506726-01	WG527143
Tetrachloroethene	mg/l	1.32	1.36	106.	13-157	2.39	24	L506726-01	WG527143
Trichloroethene	mg/l	1.44	1.52	115.	18-163	5.60	21	L506726-01	WG527143
Vinyl chloride	mg/l	1.58	1.75	126.	0-179	10.2	26	L506726-01	WG527143
4-Bromofluorobenzene				96.45	75-128				WG527143
Dibromofluoromethane				114.2	79-125				WG527143
Toluene-d8				108.5	87-114				WG527143
a,a,a-Trifluorotoluene				105.3	84-114				WG527143
1,1,1,2-Tetrachloroethane	mg/l	0.0257	0.0255	103.	45-152	0.820	21	L507159-27	WG527090
1,1,1-Trichloroethane	mg/l	0.0228	0.0231	87.2	31-161	1.48	23	L507159-27	WG527090
1,1,2,2-Tetrachloroethane	mg/l	0.0309	0.0313	124.	49-149	1.06	22	L507159-27	WG527090
1,1,2-Trichloroethane	mg/l	0.0263	0.0267	105.	46-145	1.60	20	L507159-27	WG527090
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0171	0.0175	68.2	14-168	2.37	24	L507159-27	WG527090
1,1-Dichloroethane	mg/l	0.0255	0.0257	89.6	30-159	0.830	21	L507159-27	WG527090
1,1-Dichloroethene	mg/l	0.0212	0.0212	67.6	10-162	0.0600	23	L507159-27	WG527090
1,1-Dichloropropene	mg/l	0.0213	0.0215	85.3	14-162	0.640	23	L507159-27	WG527090
1,2,3-Trichlorobenzene	mg/l	0.0280	0.0271	112.	32-143	3.37	33	L507159-27	WG527090
1,2,3-Trichloropropane	mg/l	0.0279	0.0294	112.	48-148	5.01	23	L507159-27	WG527090
1,2,3-Trimethylbenzene	mg/l	0.0243	0.0240	97.1	36-141	1.29	25	L507159-27	WG527090
1,2,4-Trichlorobenzene	mg/l	0.0237	0.0240	94.7	27-142	1.31	30	L507159-27	WG527090
1,2,4-Trimethylbenzene	mg/l	0.0234	0.0237	93.5	29-153	1.31	27	L507159-27	WG527090
1,2-Dibromo-3-Chloropropane	mg/l	0.0318	0.0316	127.	37-148	0.470	27	L507159-27	WG527090
1,2-Dibromoethane	mg/l	0.0273	0.0275	109.	41-149	0.740	21	L507159-27	WG527090
1,2-Dichlorobenzene	mg/l	0.0248	0.0249	99.0	40-139	0.580	23	L507159-27	WG527090
1,2-Dichloroethane	mg/l	0.0255	0.0260	102.	29-167	2.17	21	L507159-27	WG527090
1,2-Dichloropropane	mg/l	0.0275	0.0274	110.	39-148	0.610	20	L507159-27	WG527090
1,3,5-Trimethylbenzene	mg/l	0.0230	0.0230	92.0	33-149	0.0700	26	L507159-27	WG527090
1,3-Dichlorobenzene	mg/l	0.0235	0.0238	94.1	32-148	1.40	24	L507159-27	WG527090
1,3-Dichloropropane	mg/l	0.0249	0.0250	99.4	44-142	0.420	20	L507159-27	WG527090
1,4-Dichlorobenzene	mg/l	0.0229	0.0228	91.6	32-136	0.210	23	L507159-27	WG527090
2,2-Dichloropropane	mg/l	0.0218	0.0212	87.0	14-158	2.39	23	L507159-27	WG527090
2-Butanone (MEK)	mg/l	0.138	0.141	111.	32-151	1.80	26	L507159-27	WG527090
2-Chloroethyl vinyl ether	mg/l	0.000563	0.000524	0.450	0-175	7.22	75	L507159-27	WG527090
2-Chlorotoluene	mg/l	0.0222	0.0221	88.8	35-147	0.380	24	L507159-27	WG527090
4-Chlorotoluene	mg/l	0.0220	0.0223	87.9	33-147	1.46	25	L507159-27	WG527090
4-Methyl-2-pentanone (MIBK)	mg/l	0.162	0.166	130.	40-160	2.24	28	L507159-27	WG527090
Acetone	mg/l	0.131	0.138	105.	25-157	5.21	26	L507159-27	WG527090
Acrolein	mg/l	0.159	0.161	128.	0-179	1.12	39	L507159-27	WG527090
Acrylonitrile	mg/l	0.178	0.183	142.	37-162	2.65	24	L507159-27	WG527090
Benzene	mg/l	0.0217	0.0222	86.7	16-158	2.25	21	L507159-27	WG527090
Bromobenzene	mg/l	0.0229	0.0227	91.5	37-147	0.880	23	L507159-27	WG527090
Bromodichloromethane	mg/l	0.0277	0.0276	111.	45-147	0.400	20	L507159-27	WG527090
Bromoform	mg/l	0.0275	0.0271	110.	38-152	1.68	20	L507159-27	WG527090
Bromomethane	mg/l	0.0225	0.0219	90.1	0-191	2.83	35	L507159-27	WG527090
Carbon tetrachloride	mg/l	0.0212	0.0217	85.0	22-168	2.05	24	L507159-27	WG527090
Chlorobenzene	mg/l	0.0227	0.0227	90.8	33-148	0.0600	22	L507159-27	WG527090
Chlorodibromomethane	mg/l	0.0253	0.0255	101.	48-151	1.02	21	L507159-27	WG527090
Chloroethane	mg/l	0.0222	0.0224	88.8	4-176	1.02	27	L507159-27	WG527090
Chloroform	mg/l	0.0222	0.0224	89.0	37-147	0.900	21	L507159-27	WG527090
Chloromethane	mg/l	0.0281	0.0286	112.	10-174	1.58	28	L507159-27	WG527090
cis-1,2-Dichloroethene	mg/l	0.0258	0.0258	83.7	29-156	0.120	22	L507159-27	WG527090

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cis-1,3-Dichloropropene	mg/l	0.0232	0.0231	92.9	35-148	0.540	21	L507159-27	WG527090
Di-isopropyl ether	mg/l	0.0261	0.0262	104.	39-160	0.560	21	L507159-27	WG527090
Dibromomethane	mg/l	0.0275	0.0285	110.	36-152	3.45	20	L507159-27	WG527090
Dichlorodifluoromethane	mg/l	0.0247	0.0245	98.7	0-200	0.840	26	L507159-27	WG527090
Ethylbenzene	mg/l	0.0228	0.0227	91.4	29-150	0.520	24	L507159-27	WG527090
Hexachloro-1,3-butadiene	mg/l	0.0244	0.0246	97.6	28-144	0.890	33	L507159-27	WG527090
Isopropylbenzene	mg/l	0.0209	0.0206	83.6	35-147	1.44	25	L507159-27	WG527090
Methyl tert-butyl ether	mg/l	0.0233	0.0235	93.3	24-167	0.920	22	L507159-27	WG527090
Methylene Chloride	mg/l	0.0216	0.0216	86.4	23-151	0.170	21	L507159-27	WG527090
n-Butylbenzene	mg/l	0.0226	0.0225	90.2	22-151	0.140	29	L507159-27	WG527090
n-Propylbenzene	mg/l	0.0221	0.0221	88.3	26-150	0.0800	25	L507159-27	WG527090
Napthalene	mg/l	0.0261	0.0251	104.	24-160	3.98	37	L507159-27	WG527090
p-Isopropyltoluene	mg/l	0.0225	0.0229	89.9	28-151	1.67	27	L507159-27	WG527090
sec-Butylbenzene	mg/l	0.0225	0.0226	90.2	32-149	0.0900	26	L507159-27	WG527090
Styrene	mg/l	0.0265	0.0267	106.	38-149	0.830	23	L507159-27	WG527090
tert-Butylbenzene	mg/l	0.0225	0.0224	90.0	36-149	0.240	26	L507159-27	WG527090
Tetrachloroethene	mg/l	0.0224	0.0227	89.5	13-157	1.28	24	L507159-27	WG527090
Toluene	mg/l	0.0228	0.0238	91.2	22-152	4.41	22	L507159-27	WG527090
trans-1,2-Dichloroethene	mg/l	0.0211	0.0209	84.4	11-160	0.870	23	L507159-27	WG527090
trans-1,3-Dichloropropene	mg/l	0.0262	0.0255	105.	33-153	2.74	22	L507159-27	WG527090
Trichloroethene	mg/l	0.0544	0.0547	0*	18-163	0.570	21	L507159-27	WG527090
Trichlorofluoromethane	mg/l	0.0244	0.0249	97.6	10-177	1.98	24	L507159-27	WG527090
Vinyl chloride	mg/l	0.0237	0.0237	95.0	0-179	0.390	26	L507159-27	WG527090
Xylenes, Total	mg/l	0.0683	0.0692	91.0	27-151	1.27	23	L507159-27	WG527090
4-Bromofluorobenzene				92.17	75-128				WG527090
Dibromofluoromethane				103.5	79-125				WG527090
Toluene-d8				98.93	87-114				WG527090
Diesel Range Organics (DRO)	mg/kg	29.4	31.4	68.9	50-150	6.72	20	L507163-05	WG527224
Residual Range Organics (RRO)	mg/kg	23.6	25.6	32.0*	50-150	8.35	20	L507163-05	WG527224
o-Terphenyl				66.20	50-150				WG527224
Mercury	mg/l	0.00279	0.00304	93.0	70-130	8.58	20	L506755-01	WG527395
Mercury	mg/l	0.00307	0.00296	102.	70-130	3.65	20	L507091-04	WG527395
Mercury, Dissolved	mg/l	0.00237	0.00222	79.0	70-130	6.54	20	L507146-01	WG527147
Arsenic	mg/l	1.16	1.18	101.	75-125	1.71	20	L507322-09	WG527408
Barium	mg/l	1.12	1.14	85.0	75-125	1.77	20	L507322-09	WG527408
Cadmium	mg/l	1.04	1.04	92.0	75-125	0	20	L507322-09	WG527408
Chromium	mg/l	1.06	1.07	93.8	75-125	0.939	20	L507322-09	WG527408
Lead	mg/l	1.04	1.06	92.0	75-125	1.90	20	L507322-09	WG527408
Selenium	mg/l	1.23	1.24	106.	75-125	0.810	20	L507322-09	WG527408
Silver	mg/l	0.746	0.740	66.0*	75-125	0.808	20	L507322-09	WG527408
Gasoline Range Organics-NWTPH	mg/l	5.23	5.43	95.1	58-122	3.70	20	L507276-01	WG527161
1-Methylnapthalene	mg/kg	0.0310	0.0322	94.0	19-131	3.83	30	L507138-03	WG526933
2-Chloronapthalene	mg/kg	0.0330	0.0331	99.9	38-117	0.288	26	L507138-03	WG526933
2-Methylnapthalene	mg/kg	0.0324	0.0328	98.2	18-125	1.21	29	L507138-03	WG526933
Acenaphthene	mg/kg	0.0311	0.0324	94.3	31-120	4.17	30	L507138-03	WG526933
Acenaphthylene	mg/kg	0.0328	0.0337	99.5	34-116	2.47	29	L507138-03	WG526933
Anthracene	mg/kg	0.0314	0.0334	95.0	32-131	6.47	26	L507138-03	WG526933

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



YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
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 Boise, ID 83706

Quality Assurance Report
 Level II

L507163

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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzo(a)anthracene	mg/kg	0.0299	0.0310	90.8	32-131	3.56	31	L507138-03	WG526933
Benzo(a)pyrene	mg/kg	0.0331	0.0337	100.	28-130	1.65	28	L507138-03	WG526933
Benzo(b)fluoranthene	mg/kg	0.0347	0.0348	105.	37-130	0.471	41	L507138-03	WG526933
Benzo(g,h,i)perylene	mg/kg	0.0219	0.0217	66.3	10-134	0.726	26	L507138-03	WG526933
Benzo(k)fluoranthene	mg/kg	0.0332	0.0337	100.	31-129	1.74	42	L507138-03	WG526933
Chrysene	mg/kg	0.0308	0.0322	93.2	25-137	4.55	22	L507138-03	WG526933
Dibenz(a,h)anthracene	mg/kg	0.0239	0.0241	72.6	20-134	0.745	25	L507138-03	WG526933
Fluoranthene	mg/kg	0.0353	0.0359	107.	27-138	1.61	35	L507138-03	WG526933
Fluorene	mg/kg	0.0330	0.0327	100.	26-136	0.833	30	L507138-03	WG526933
Indeno(1,2,3-cd)pyrene	mg/kg	0.0236	0.0234	71.6	16-135	1.09	26	L507138-03	WG526933
Naphthalene	mg/kg	0.0294	0.0303	89.1	22-121	3.00	30	L507138-03	WG526933
Phenanthrene	mg/kg	0.0318	0.0318	96.3	27-133	0.0340	36	L507138-03	WG526933
Pyrene	mg/kg	0.0308	0.0316	93.3	22-133	2.77	33	L507138-03	WG526933
2-Fluorobiphenyl				95.22	33-114				WG526933
Nitrobenzene-d5				93.12	21-120				WG526933
p-Terphenyl-d14				80.36	18-142				WG526933
Arsenic,Dissolved	mg/l	1.06	1.05	93.8	75-125	0.948	20	L507146-09	WG527255
Barium,Dissolved	mg/l	1.02	1.02	84.0	75-125	0	20	L507146-09	WG527255
Chromium,Dissolved	mg/l	1.24	1.22	110.	75-125	1.63	20	L507146-09	WG527255
Selenium,Dissolved	mg/l	0.984	1.00	87.1	75-125	1.61	20	L507146-09	WG527255
Silver,Dissolved	mg/l	0.160	0.166	14.2*	75-125	3.68	20	L507146-09	WG527255
Nitrate-Nitrite	mg/l	45.4	45.4	102.	80-120	0.110	20	L507336-03	WG527328
Ammonia Nitrogen	mg/kg	172.	156.	68.8*	80-120	9.76	20	L507344-03	WG527499
Ammonia Nitrogen	mg/l	23.4	23.7	108.	90-110	1.27	20	L506653-01	WG527366
2,4,5-TP (Silvex)	mg/l	0.0371	0.0349	74.2	33-134	6.12	30	L507163-06	WG527452
2,4-D	mg/l	0.0430	0.0397	86.0	24-127	7.85	27	L507163-06	WG527452
Lead,Dissolved	mg/l	1.15	1.13	102.	75-125	1.75	20	L507146-09	WG527255
1,4-Dichlorobenzene	ppm	0.0616	0.0586	61.6	10-108	5.01	50	L507096-04	WG527461
2,4,5-Trichlorophenol	ppm	0.106	0.0986	106.	10-136	6.80	45	L507096-04	WG527461
2,4,6-Trichlorophenol	ppm	0.0895	0.0783	89.5	10-137	13.4	42	L507096-04	WG527461
2,4-Dinitrotoluene	ppm	0.0930	0.0931	93.0	32-137	0.151	36	L507096-04	WG527461
2-Methylphenol	ppm	0.0433	0.0408	43.3	13-110	5.86	23	L507096-04	WG527461
3&4-Methyl Phenol	ppm	0.0497	0.0455	49.7	10-56	8.92	36	L507096-04	WG527461
Hexachloro-1,3-butadiene	ppm	0.0875	0.0753	87.5	16-118	15.0	50	L507096-04	WG527461
Hexachlorobenzene	ppm	0.0957	0.0973	95.6	41-114	1.74	28	L507096-04	WG527461
Hexachloroethane	ppm	0.0588	0.0538	58.8	10-125	8.77	50	L507096-04	WG527461
Nitrobenzene	ppm	0.0715	0.0640	71.5	14-122	11.0	46	L507096-04	WG527461
Pentachlorophenol	ppm	0.0778	0.0734	77.8	0-137	5.83	50	L507096-04	WG527461
Pyridine	ppm	0.0286	0.0294	28.6	0-70	2.67	50	L507096-04	WG527461
2,4,6-Tribromophenol				95.00	10-148				WG527461
2-Fluorobiphenyl				87.80	26-122				WG527461
2-Fluorophenol				36.20	10-87				WG527461
Nitrobenzene-d5				66.80	12-120				WG527461
Phenol-d5				30.50	10-67				WG527461
p-Terphenyl-d14				129.5	34-149				WG527461

* Performance of this Analyte is outside of established criteria.

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YOUR LAB OF CHOICE

HDR - Boise, ID
 Dale Reynolds
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Quality Assurance Report
 Level II

L507163

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Tax I.D. 62-0814289

Est. 1970

March 28, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref	Samp	Batch
			Ref	%Rec						
Endrin	mg/l	0.00183	0.00199	91.5	37-126	8.30	37	L507163-06		WG527547
Lindane	mg/l	0.00163	0.00175	81.7	35-114	7.09	30	L507163-06		WG527547
Heptachlor	mg/l	0.00155	0.00168	77.3	21-123	8.41	38	L507163-06		WG527547
Methoxychlor	mg/l	0.00173	0.00188	86.6	55-150	8.08	40	L507163-06		WG527547
Decachlorobiphenyl				82.90	10-122.6					WG527547
Tetrachloro-m-xylene				83.40	15.3-114.2					WG527547

Batch number / Run number / Sample number cross reference

WG526955: R1618169: L507163-01 02 03 04 05
 WG526895: R1619010: L507163-01 02 03 04 05
 WG527019: R1620712: L507163-01 02 03 04 05
 WG526992: R1621272: L507163-06
 WG527143: R1621449: L507163-06
 WG527090: R1622189: L507163-07 08 09 10 11 12 13
 WG527168: R1622669: L507163-06
 WG527224: R1622709: L507163-01 02 03 04 05
 WG527161: R1622909: L507163-07 08 09 10 11 12
 WG527226: R1623281: L507163-07 08 09 10 11 12
 WG527395: R1623330: L507163-06
 WG527147: R1623331: L507163-07 08 09 10 11 12
 WG527408: R1623490: L507163-06
 WG527312: R1623573: L507163-07 08 09 10 11 12
 WG527293: R1623747: L507163-01
 WG527294: R1623836: L507163-02 03 04 05
 WG526933: R1623969: L507163-01 02 03 04 05
 WG527255: R1624831: L507163-07 08 09 10 11 12
 WG527328: R1624993: L507163-07 08 09 10 11 12
 WG527461: R1625114: L507163-06
 WG527499: R1625116: L507163-01 02 03 04 05
 WG527366: R1625131: L507163-07 08 09 10 11 12
 WG527451: R1625151: L507163-07 08 09 10 11 12
 WG527452: R1625152: L507163-06
 WG527547: R1625174: L507163-06

* * 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.'



YOUR LAB OF CHOICE

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Quality Assurance Report
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March 28, 2011

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.



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Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Report Summary

Wednesday July 13, 2011

Report Number: L524191

Samples Received: 07/02/11

Client Project: 97156

Description: Simplot - Sunnyside

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:

Jared Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Case Narrative

Wednesday July 13, 2011

Report Number: L524191

Samples Received: 07/02/11

Client Project: 97156

Description: Simplot - Sunnyside

Other Comments

The NWTPHDX analysis was run and reported out of hold because the initial in-hold extraction did not have reportable data.



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Est. 1970

REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-01

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-1

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.77	0.10	mg/l	350.1	07/11/11	1
Nitrate-Nitrite	7.8	0.10	mg/l	353.2	07/07/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	07/06/11	1
Arsenic, Dissolved	0.049	0.020	mg/l	6010B	07/05/11	1
Barium, Dissolved	0.12	0.0050	mg/l	6010B	07/05/11	1
Cadmium, Dissolved	0.0055	0.0050	mg/l	6010B	07/05/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	07/05/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	07/05/11	1
Selenium, Dissolved	0.038	0.020	mg/l	6010B	07/05/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	07/05/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	07/04/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	94.5		% Rec.	NWTPHGX	07/04/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	07/06/11	1
Acrolein	BDL	0.050	mg/l	8260B	07/06/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	07/06/11	1
Benzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromoform	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	07/06/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	07/06/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	07/06/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	07/06/11	1
Chloroform	BDL	0.0050	mg/l	8260B	07/06/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	07/06/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-01

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-1

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	07/06/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	07/06/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	07/06/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	07/06/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	07/06/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	07/06/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	07/06/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Styrene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	07/06/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
Toluene	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	07/06/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	07/06/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	07/06/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	07/06/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-1
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 08:00

ESC Sample # : L524191-01
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	106.		% Rec.	8260B	07/06/11	1
4-Bromofluorobenzene	94.0		% Rec.	8260B	07/06/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	07/12/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	07/12/11	1
Surrogate Recovery						
o-Terphenyl	97.9		% Rec.	NWTPHDX	07/12/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Surrogate Recovery						
Nitrobenzene-d5	90.0		% Rec.	8270C-SIM	07/05/11	1
2-Fluorobiphenyl	88.7		% Rec.	8270C-SIM	07/05/11	1
p-Terphenyl-d14	84.2		% Rec.	8270C-SIM	07/05/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	07/07/11	1
Dalapon	BDL	0.20	mg/l	8151	07/07/11	1
2,4-DB	BDL	0.0020	mg/l	8151	07/07/11	1
Dicamba	BDL	0.0020	mg/l	8151	07/07/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	07/07/11	1
Dinoseb	BDL	0.0020	mg/l	8151	07/07/11	1
MCPA	BDL	0.10	mg/l	8151	07/07/11	1
MCPP	BDL	0.10	mg/l	8151	07/07/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	07/07/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	07/07/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : July 02, 2011
Description : Simplot - Sunnyside
Sample ID : MW-1
Collected By : Dale Reynolds
Collection Date : 06/30/11 08:00

ESC Sample # : L524191-01
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	90.3		% Rec.	8151	07/07/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-2
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 10:00

ESC Sample # : L524191-02
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	07/11/11	1
Nitrate-Nitrite	5.8	0.10	mg/l	353.2	07/07/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	07/06/11	1
Arsenic, Dissolved	0.081	0.020	mg/l	6010B	07/05/11	1
Barium, Dissolved	0.091	0.0050	mg/l	6010B	07/05/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	07/05/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	07/05/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	07/05/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	07/05/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	07/05/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	07/04/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	94.2		% Rec.	NWTPHGX	07/04/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	07/06/11	1
Acrolein	BDL	0.050	mg/l	8260B	07/06/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	07/06/11	1
Benzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromoform	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	07/06/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	07/06/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	07/06/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	07/06/11	1
Chloroform	BDL	0.0050	mg/l	8260B	07/06/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	07/06/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-02

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-2

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 10:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	07/06/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	07/06/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	07/06/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	07/06/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	07/06/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	07/06/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	07/06/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Styrene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	07/06/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
Toluene	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	07/06/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	07/06/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	07/06/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	07/06/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-2
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 10:00

ESC Sample # : L524191-02
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	103.		% Rec.	8260B	07/06/11	1
4-Bromofluorobenzene	101.		% Rec.	8260B	07/06/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	07/12/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	07/12/11	1
Surrogate Recovery						
o-Terphenyl	103.		% Rec.	NWTPHDX	07/12/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Surrogate Recovery						
Nitrobenzene-d5	87.8		% Rec.	8270C-SIM	07/05/11	1
2-Fluorobiphenyl	87.1		% Rec.	8270C-SIM	07/05/11	1
p-Terphenyl-d14	85.3		% Rec.	8270C-SIM	07/05/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	07/07/11	1
Dalapon	BDL	0.20	mg/l	8151	07/07/11	1
2,4-DB	BDL	0.0020	mg/l	8151	07/07/11	1
Dicamba	BDL	0.0020	mg/l	8151	07/07/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	07/07/11	1
Dinoseb	BDL	0.0020	mg/l	8151	07/07/11	1
MCPA	BDL	0.10	mg/l	8151	07/07/11	1
MCPP	BDL	0.10	mg/l	8151	07/07/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	07/07/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	07/07/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : July 02, 2011
Description : Simplot - Sunnyside
Sample ID : MW-2
Collected By : Dale Reynolds
Collection Date : 06/30/11 10:00

ESC Sample # : L524191-02
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	87.9		% Rec.	8151	07/07/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-03

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-3

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	07/11/11	1
Nitrate-Nitrite	8.5	0.10	mg/l	353.2	07/07/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	07/06/11	1
Arsenic, Dissolved	0.062	0.020	mg/l	6010B	07/05/11	1
Barium, Dissolved	0.053	0.0050	mg/l	6010B	07/05/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	07/05/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	07/05/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	07/05/11	1
Selenium, Dissolved	0.095	0.020	mg/l	6010B	07/05/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	07/05/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	07/04/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	93.9		% Rec.	NWTPHGX	07/04/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	07/06/11	1
Acrolein	BDL	0.050	mg/l	8260B	07/06/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	07/06/11	1
Benzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromoform	BDL	0.0010	mg/l	8260B	07/06/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	07/06/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	07/06/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	07/06/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	07/06/11	1
Chloroform	BDL	0.0050	mg/l	8260B	07/06/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	07/06/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-03

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-3

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/06/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/06/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	07/06/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	07/06/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	07/06/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	07/06/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	07/06/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	07/06/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	07/06/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	07/06/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Styrene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	07/06/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
Toluene	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	07/06/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	07/06/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	07/06/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	07/06/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/06/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	07/06/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	07/06/11	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/06/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-3
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 12:00

ESC Sample # : L524191-03
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	102.		% Rec.	8260B	07/06/11	1
4-Bromofluorobenzene	98.1		% Rec.	8260B	07/06/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	07/12/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	07/12/11	1
Surrogate Recovery						
o-Terphenyl	104.		% Rec.	NWTPHDX	07/12/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Surrogate Recovery						
Nitrobenzene-d5	78.2		% Rec.	8270C-SIM	07/05/11	1
2-Fluorobiphenyl	77.1		% Rec.	8270C-SIM	07/05/11	1
p-Terphenyl-d14	77.0		% Rec.	8270C-SIM	07/05/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	07/07/11	1
Dalapon	BDL	0.20	mg/l	8151	07/07/11	1
2,4-DB	BDL	0.0020	mg/l	8151	07/07/11	1
Dicamba	BDL	0.0020	mg/l	8151	07/07/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	07/07/11	1
Dinoseb	BDL	0.0020	mg/l	8151	07/07/11	1
MCPA	BDL	0.10	mg/l	8151	07/07/11	1
MCPP	BDL	0.10	mg/l	8151	07/07/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	07/07/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	07/07/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : July 02, 2011
Description : Simplot - Sunnyside
Sample ID : MW-3
Collected By : Dale Reynolds
Collection Date : 06/30/11 12:00

ESC Sample # : L524191-03
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	84.0		% Rec.	8151	07/07/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 07/13/11 08:49 Printed: 07/13/11 08:49



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-4
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 14:00

ESC Sample # : L524191-04
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	07/11/11	1
Nitrate-Nitrite	9.6	0.10	mg/l	353.2	07/07/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	07/06/11	1
Arsenic, Dissolved	0.040	0.020	mg/l	6010B	07/06/11	1
Barium, Dissolved	0.043	0.0050	mg/l	6010B	07/06/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	07/06/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	07/06/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	07/06/11	1
Selenium, Dissolved	0.039	0.020	mg/l	6010B	07/06/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	07/06/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	07/04/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	94.3		% Rec.	NWTPHGX	07/04/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	07/03/11	1
Acrolein	BDL	0.050	mg/l	8260B	07/03/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	07/03/11	1
Benzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	07/03/11	1
Bromoform	BDL	0.0010	mg/l	8260B	07/03/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	07/03/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	07/03/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	07/03/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	07/03/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	07/03/11	1
Chloroform	BDL	0.0050	mg/l	8260B	07/03/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	07/03/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/03/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	07/03/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	07/03/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L524191-04

Date Received : July 02, 2011
Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-4

Project # : 97156

Collected By : Dale Reynolds
Collection Date : 06/30/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	07/03/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2-Dichloropropane	0.016	0.0010	mg/l	8260B	07/03/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	07/03/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/03/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	07/03/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	07/03/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	07/03/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	07/03/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	07/03/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	07/03/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	07/03/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	07/03/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	07/03/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	07/03/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Styrene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	07/03/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
Toluene	BDL	0.0050	mg/l	8260B	07/03/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	07/03/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	07/03/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	07/03/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	07/03/11	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/03/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-4
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 14:00

ESC Sample # : L524191-04
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	107.		% Rec.	8260B	07/03/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	07/03/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	07/12/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	07/12/11	1
Surrogate Recovery o-Terphenyl	95.8		% Rec.	NWTPHDX	07/12/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	07/05/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/05/11	1
Surrogate Recovery Nitrobenzene-d5	84.9		% Rec.	8270C-SIM	07/05/11	1
2-Fluorobiphenyl	83.1		% Rec.	8270C-SIM	07/05/11	1
p-Terphenyl-d14	78.5		% Rec.	8270C-SIM	07/05/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	07/07/11	1
Dalapon	BDL	0.20	mg/l	8151	07/07/11	1
2,4-DB	BDL	0.0020	mg/l	8151	07/07/11	1
Dicamba	BDL	0.0020	mg/l	8151	07/07/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	07/07/11	1
Dinoseb	BDL	0.0020	mg/l	8151	07/07/11	1
MCPA	BDL	0.10	mg/l	8151	07/07/11	1
MCPP	BDL	0.10	mg/l	8151	07/07/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	07/07/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	07/07/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : July 02, 2011
Description : Simplot - Sunnyside
Sample ID : MW-4
Collected By : Dale Reynolds
Collection Date : 06/30/11 14:00

ESC Sample # : L524191-04
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	66.6		% Rec.	8151	07/07/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-05

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-5

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	480	10.	mg/l	350.1	07/11/11	100
Nitrate-Nitrite	200	10.	mg/l	353.2	07/07/11	100
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	07/06/11	1
Arsenic, Dissolved	0.18	0.020	mg/l	6010B	07/06/11	1
Barium, Dissolved	0.040	0.0050	mg/l	6010B	07/06/11	1
Cadmium, Dissolved	0.0061	0.0050	mg/l	6010B	07/06/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	07/06/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	07/06/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	07/06/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	07/06/11	1
Gasoline Range Organics-NWTPH	1.5	0.10	mg/l	NWTPHGX	07/05/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	07/05/11	1
Volatile Organics						
Acetone	BDL	0.25	mg/l	8260B	07/03/11	5
Acrolein	BDL	0.25	mg/l	8260B	07/03/11	5
Acrylonitrile	BDL	0.050	mg/l	8260B	07/03/11	5
Benzene	0.16	0.0050	mg/l	8260B	07/03/11	5
Bromobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Bromodichloromethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Bromoform	BDL	0.0050	mg/l	8260B	07/03/11	5
Bromomethane	BDL	0.025	mg/l	8260B	07/03/11	5
n-Butylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
sec-Butylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
tert-Butylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Carbon tetrachloride	BDL	0.0050	mg/l	8260B	07/03/11	5
Chlorobenzene	0.0055	0.0050	mg/l	8260B	07/03/11	5
Chlorodibromomethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Chloroethane	BDL	0.025	mg/l	8260B	07/03/11	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/l	8260B	07/03/11	5
Chloroform	BDL	0.025	mg/l	8260B	07/03/11	5
Chloromethane	BDL	0.012	mg/l	8260B	07/03/11	5
2-Chlorotoluene	BDL	0.0050	mg/l	8260B	07/03/11	5
4-Chlorotoluene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/l	8260B	07/03/11	5
1,2-Dibromoethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Dibromomethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,3-Dichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-05

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-5

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Dichlorodifluoromethane	BDL	0.025	mg/l	8260B	07/03/11	5
1,1-Dichloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dichloroethane	0.11	0.0050	mg/l	8260B	07/03/11	5
1,1-Dichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dichloropropane	0.0091	0.0050	mg/l	8260B	07/03/11	5
1,1-Dichloropropene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,3-Dichloropropane	BDL	0.0050	mg/l	8260B	07/03/11	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	07/03/11	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	07/03/11	5
2,2-Dichloropropane	BDL	0.0050	mg/l	8260B	07/03/11	5
Di-isopropyl ether	BDL	0.0050	mg/l	8260B	07/03/11	5
Ethylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/l	8260B	07/03/11	5
Isopropylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
p-Isopropyltoluene	BDL	0.0050	mg/l	8260B	07/03/11	5
2-Butanone (MEK)	BDL	0.050	mg/l	8260B	07/03/11	5
Methylene Chloride	BDL	0.025	mg/l	8260B	07/03/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/l	8260B	07/03/11	5
Methyl tert-butyl ether	BDL	0.0050	mg/l	8260B	07/03/11	5
Naphthalene	BDL	0.025	mg/l	8260B	07/03/11	5
n-Propylbenzene	0.0072	0.0050	mg/l	8260B	07/03/11	5
Styrene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/l	8260B	07/03/11	5
Tetrachloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
Toluene	BDL	0.025	mg/l	8260B	07/03/11	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,1-Trichloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,2-Trichloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Trichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
Trichlorofluoromethane	BDL	0.025	mg/l	8260B	07/03/11	5
1,2,3-Trichloropropane	BDL	0.012	mg/l	8260B	07/03/11	5
1,2,4-Trimethylbenzene	0.068	0.0050	mg/l	8260B	07/03/11	5
1,2,3-Trimethylbenzene	0.020	0.0050	mg/l	8260B	07/03/11	5
1,3,5-Trimethylbenzene	0.021	0.0050	mg/l	8260B	07/03/11	5
Vinyl chloride	BDL	0.0050	mg/l	8260B	07/03/11	5
Xylenes, Total	0.20	0.015	mg/l	8260B	07/03/11	5
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	07/03/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-05

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-5

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	106.		% Rec.	8260B	07/03/11	5
4-Bromofluorobenzene	105.		% Rec.	8260B	07/03/11	5
Diesel Range Organics (DRO)	1.4	0.10	mg/l	NWTPHDX	07/12/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	07/12/11	1
Surrogate Recovery						
o-Terphenyl	97.7		% Rec.	NWTPHDX	07/12/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Naphthalene	0.016	0.00025	mg/l	8270C-SIM	07/06/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
1-Methylnaphthalene	0.0030	0.00025	mg/l	8270C-SIM	07/06/11	1
2-Methylnaphthalene	0.0040	0.00025	mg/l	8270C-SIM	07/06/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/06/11	1
Surrogate Recovery						
Nitrobenzene-d5	98.6		% Rec.	8270C-SIM	07/06/11	1
2-Fluorobiphenyl	81.9		% Rec.	8270C-SIM	07/06/11	1
p-Terphenyl-d14	62.3		% Rec.	8270C-SIM	07/06/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	07/07/11	1
Dalapon	BDL	0.20	mg/l	8151	07/07/11	1
2,4-DB	BDL	0.0020	mg/l	8151	07/07/11	1
Dicamba	0.0086	0.0020	mg/l	8151	07/07/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	07/07/11	1
Dinoseb	0.0094	0.0020	mg/l	8151	07/07/11	1
MCPA	BDL	0.10	mg/l	8151	07/07/11	1
MCPP	BDL	0.10	mg/l	8151	07/07/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	07/07/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	07/07/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : July 02, 2011
Description : Simplot - Sunnyside
Sample ID : MW-5
Collected By : Dale Reynolds
Collection Date : 06/30/11 16:00

ESC Sample # : L524191-05
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	73.9		% Rec.	8151	07/07/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-6
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 18:00

ESC Sample # : L524191-06
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	540	10.	mg/l	350.1	07/11/11	100
Nitrate-Nitrite	240	10.	mg/l	353.2	07/07/11	100
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	07/06/11	1
Arsenic, Dissolved	0.19	0.020	mg/l	6010B	07/06/11	1
Barium, Dissolved	0.081	0.0050	mg/l	6010B	07/06/11	1
Cadmium, Dissolved	0.0076	0.0050	mg/l	6010B	07/06/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	07/06/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	07/06/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	07/06/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	07/06/11	1
Gasoline Range Organics-NWTPH	1.3	0.10	mg/l	NWTPHGX	07/05/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	98.1		% Rec.	NWTPHGX	07/05/11	1
Volatile Organics						
Acetone	BDL	0.25	mg/l	8260B	07/03/11	5
Acrolein	BDL	0.25	mg/l	8260B	07/03/11	5
Acrylonitrile	BDL	0.050	mg/l	8260B	07/03/11	5
Benzene	0.14	0.0050	mg/l	8260B	07/03/11	5
Bromobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Bromodichloromethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Bromoform	BDL	0.0050	mg/l	8260B	07/03/11	5
Bromomethane	BDL	0.025	mg/l	8260B	07/03/11	5
n-Butylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
sec-Butylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
tert-Butylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Carbon tetrachloride	BDL	0.0050	mg/l	8260B	07/03/11	5
Chlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Chlorodibromomethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Chloroethane	BDL	0.025	mg/l	8260B	07/03/11	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/l	8260B	07/03/11	5
Chloroform	BDL	0.025	mg/l	8260B	07/03/11	5
Chloromethane	BDL	0.012	mg/l	8260B	07/03/11	5
2-Chlorotoluene	BDL	0.0050	mg/l	8260B	07/03/11	5
4-Chlorotoluene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/l	8260B	07/03/11	5
1,2-Dibromoethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Dibromomethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,3-Dichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L524191-06

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-6

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 06/30/11 18:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Dichlorodifluoromethane	BDL	0.025	mg/l	8260B	07/03/11	5
1,1-Dichloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dichloroethane	0.10	0.0050	mg/l	8260B	07/03/11	5
1,1-Dichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2-Dichloropropane	0.0066	0.0050	mg/l	8260B	07/03/11	5
1,1-Dichloropropene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,3-Dichloropropane	BDL	0.0050	mg/l	8260B	07/03/11	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	07/03/11	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	07/03/11	5
2,2-Dichloropropane	BDL	0.0050	mg/l	8260B	07/03/11	5
Di-isopropyl ether	BDL	0.0050	mg/l	8260B	07/03/11	5
Ethylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/l	8260B	07/03/11	5
Isopropylbenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
p-Isopropyltoluene	BDL	0.0050	mg/l	8260B	07/03/11	5
2-Butanone (MEK)	BDL	0.050	mg/l	8260B	07/03/11	5
Methylene Chloride	BDL	0.025	mg/l	8260B	07/03/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/l	8260B	07/03/11	5
Methyl tert-butyl ether	BDL	0.0050	mg/l	8260B	07/03/11	5
Naphthalene	BDL	0.025	mg/l	8260B	07/03/11	5
n-Propylbenzene	0.0066	0.0050	mg/l	8260B	07/03/11	5
Styrene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/l	8260B	07/03/11	5
Tetrachloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
Toluene	BDL	0.025	mg/l	8260B	07/03/11	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,1-Trichloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
1,1,2-Trichloroethane	BDL	0.0050	mg/l	8260B	07/03/11	5
Trichloroethene	BDL	0.0050	mg/l	8260B	07/03/11	5
Trichlorofluoromethane	BDL	0.025	mg/l	8260B	07/03/11	5
1,2,3-Trichloropropane	BDL	0.012	mg/l	8260B	07/03/11	5
1,2,4-Trimethylbenzene	0.062	0.0050	mg/l	8260B	07/03/11	5
1,2,3-Trimethylbenzene	0.018	0.0050	mg/l	8260B	07/03/11	5
1,3,5-Trimethylbenzene	0.020	0.0050	mg/l	8260B	07/03/11	5
Vinyl chloride	BDL	0.0050	mg/l	8260B	07/03/11	5
Xylenes, Total	0.18	0.015	mg/l	8260B	07/03/11	5
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/03/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-6
 Collected By : Dale Reynolds
 Collection Date : 06/30/11 18:00

ESC Sample # : L524191-06
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	107.		% Rec.	8260B	07/03/11	5
4-Bromofluorobenzene	106.		% Rec.	8260B	07/03/11	5
Diesel Range Organics (DRO)	1.1	0.10	mg/l	NWTPHDX	07/12/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	07/12/11	1
Surrogate Recovery o-Terphenyl	99.7		% Rec.	NWTPHDX	07/12/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Naphthalene	0.016	0.00025	mg/l	8270C-SIM	07/06/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	07/06/11	1
1-Methylnaphthalene	0.0030	0.00025	mg/l	8270C-SIM	07/06/11	1
2-Methylnaphthalene	0.0041	0.00025	mg/l	8270C-SIM	07/06/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	07/06/11	1
Surrogate Recovery Nitrobenzene-d5	98.2		% Rec.	8270C-SIM	07/06/11	1
2-Fluorobiphenyl	82.2		% Rec.	8270C-SIM	07/06/11	1
p-Terphenyl-d14	61.7		% Rec.	8270C-SIM	07/06/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	07/07/11	1
Dalapon	BDL	0.20	mg/l	8151	07/07/11	1
2,4-DB	BDL	0.0020	mg/l	8151	07/07/11	1
Dicamba	0.0087	0.0020	mg/l	8151	07/07/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	07/07/11	1
Dinoseb	0.0088	0.0020	mg/l	8151	07/07/11	1
MCPA	BDL	0.10	mg/l	8151	07/07/11	1
MCPP	BDL	0.10	mg/l	8151	07/07/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	07/07/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	07/07/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : July 02, 2011
Description : Simplot - Sunnyside
Sample ID : MW-6
Collected By : Dale Reynolds
Collection Date : 06/30/11 18:00

ESC Sample # : L524191-06
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	97.3		% Rec.	8151	07/07/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 07/13/11 08:49 Printed: 07/13/11 08:49



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L524191-07

Date Received : July 02, 2011
Description : Simplot - Sunnyside

Site ID :

Sample ID : TRIP BLANK

Project # : 97156

Collected By : Dale Reynolds
Collection Date : 06/30/11 00:00

Table with 7 columns: Parameter, Result, Det. Limit, Units, Method, Date, Dil. Rows include Volatile Organics, Acetone, Acrolein, Acrylonitrile, Benzene, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chlorodibromomethane, Chloroethane, 2-Chloroethyl vinyl ether, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,1-Dichloropropene, 1,3-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 2,2-Dichloropropane, Di-isopropyl ether, Ethylbenzene, Hexachloro-1,3-butadiene, Isopropylbenzene, p-Isopropyltoluene.

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

July 13, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : July 02, 2011
 Description : Simplot - Sunnyside

Sample ID : TRIP BLANK

Collected By : Dale Reynolds
 Collection Date : 06/30/11 00:00

ESC Sample # : L524191-07

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	07/03/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	07/03/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	07/03/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	07/03/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	07/03/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Styrene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	07/03/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
Toluene	BDL	0.0050	mg/l	8260B	07/03/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	07/03/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	07/03/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	07/03/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	07/03/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	07/03/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	07/03/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	07/03/11	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/03/11	1
Dibromofluoromethane	107.		% Rec.	8260B	07/03/11	1
4-Bromofluorobenzene	100.		% Rec.	8260B	07/03/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 07/13/11 08:49 Printed: 07/13/11 08:50

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L524191-01	WG545081	SAMP	Diesel Range Organics (DRO)	R1758870	Q
	WG545081	SAMP	Residual Range Organics (RRO)	R1758870	Q
L524191-02	WG545081	SAMP	Diesel Range Organics (DRO)	R1758870	Q
	WG545081	SAMP	Residual Range Organics (RRO)	R1758870	Q
L524191-03	WG545081	SAMP	Diesel Range Organics (DRO)	R1758870	Q
	WG545081	SAMP	Residual Range Organics (RRO)	R1758870	Q
L524191-04	WG543960	SAMP	2-Chloroethyl vinyl ether	R1750934	J3
	WG545081	SAMP	Diesel Range Organics (DRO)	R1758870	Q
L524191-05	WG545081	SAMP	Residual Range Organics (RRO)	R1758870	Q
	WG545081	SAMP	Diesel Range Organics (DRO)	R1758870	Q
L524191-06	WG545081	SAMP	Residual Range Organics (RRO)	R1758870	Q
	WG544015	SAMP	p-Terphenyl-d14	R1750972	J2
	WG545081	SAMP	Diesel Range Organics (DRO)	R1758870	Q
	WG545081	SAMP	Residual Range Organics (RRO)	R1758870	Q
	WG544015	SAMP	p-Terphenyl-d14	R1750972	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
Q	(ESC) Sample held beyond the accepted holding time.

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 Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography 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
07/13/11 at 08:50:02

TSR Signing Reports: 358
R5 - Desired TAT

Sample: L524191-01 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.
Sample: L524191-02 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.
Sample: L524191-03 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.
Sample: L524191-04 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.
Sample: L524191-05 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.
Sample: L524191-06 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.
Sample: L524191-07 Account: HDRBID Received: 07/02/11 09:00 Due Date: 07/12/11 00:00 RPT Date: 07/13/11 08:49
Field Filtered. Ph adjusted in lab 07/02/11 at 1250.



YOUR LAB OF CHOICE

HDR - Boise, ID
 Mike Murray
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L524191

12065 Lebanon Rd.
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Est. 1970

July 13, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Arsenic, Dissolved	< .02	mg/l			WG544116	07/05/11 17:13
Barium, Dissolved	< .005	mg/l			WG544116	07/05/11 17:13
Cadmium, Dissolved	< .005	mg/l			WG544116	07/05/11 17:13
Chromium, Dissolved	< .01	mg/l			WG544116	07/05/11 17:13
Lead, Dissolved	< .005	mg/l			WG544116	07/05/11 17:13
Selenium, Dissolved	< .02	mg/l			WG544116	07/05/11 17:13
Silver, Dissolved	< .01	mg/l			WG544116	07/05/11 17:13
Arsenic, Dissolved	< .02	mg/l			WG544204	07/06/11 09:16
Barium, Dissolved	< .005	mg/l			WG544204	07/06/11 09:16
Cadmium, Dissolved	< .005	mg/l			WG544204	07/06/11 09:16
Chromium, Dissolved	< .01	mg/l			WG544204	07/06/11 09:16
Lead, Dissolved	< .005	mg/l			WG544204	07/06/11 09:16
Selenium, Dissolved	< .02	mg/l			WG544204	07/06/11 09:16
Silver, Dissolved	< .01	mg/l			WG544204	07/06/11 09:16
Mercury, Dissolved	< .0002	mg/l			WG543928	07/06/11 12:05
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,1,1-Trichloroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,1,2-Trichloroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,1-Dichloroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,1-Dichloroethene	< .001	mg/l			WG543960	07/03/11 10:09
1,1-Dichloropropene	< .001	mg/l			WG543960	07/03/11 10:09
1,2,3-Trichlorobenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,2,3-Trichloropropane	< .001	mg/l			WG543960	07/03/11 10:09
1,2,3-Trimethylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,2,4-Trichlorobenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,2,4-Trimethylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG543960	07/03/11 10:09
1,2-Dibromoethane	< .001	mg/l			WG543960	07/03/11 10:09
1,2-Dichlorobenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,2-Dichloroethane	< .001	mg/l			WG543960	07/03/11 10:09
1,2-Dichloropropane	< .001	mg/l			WG543960	07/03/11 10:09
1,3,5-Trimethylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,3-Dichlorobenzene	< .001	mg/l			WG543960	07/03/11 10:09
1,3-Dichloropropane	< .001	mg/l			WG543960	07/03/11 10:09
1,4-Dichlorobenzene	< .001	mg/l			WG543960	07/03/11 10:09
2,2-Dichloropropane	< .001	mg/l			WG543960	07/03/11 10:09
2-Butanone (MEK)	< .01	mg/l			WG543960	07/03/11 10:09
2-Chloroethyl vinyl ether	< .05	mg/l			WG543960	07/03/11 10:09
2-Chlorotoluene	< .001	mg/l			WG543960	07/03/11 10:09
4-Chlorotoluene	< .001	mg/l			WG543960	07/03/11 10:09
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG543960	07/03/11 10:09
Acetone	< .05	mg/l			WG543960	07/03/11 10:09
Acrolein	< .025	mg/l			WG543960	07/03/11 10:09
Acrylonitrile	< .01	mg/l			WG543960	07/03/11 10:09
Benzene	< .001	mg/l			WG543960	07/03/11 10:09
Bromobenzene	< .001	mg/l			WG543960	07/03/11 10:09
Bromodichloromethane	< .001	mg/l			WG543960	07/03/11 10:09
Bromoform	< .001	mg/l			WG543960	07/03/11 10:09
Bromomethane	< .005	mg/l			WG543960	07/03/11 10:09
Carbon tetrachloride	< .001	mg/l			WG543960	07/03/11 10:09
Chlorobenzene	< .001	mg/l			WG543960	07/03/11 10:09

* 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
 Mike Murray
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L524191

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

July 13, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Chlorodibromomethane	< .001	mg/l			WG543960	07/03/11 10:09
Chloroethane	< .005	mg/l			WG543960	07/03/11 10:09
Chloroform	< .005	mg/l			WG543960	07/03/11 10:09
Chloromethane	< .0025	mg/l			WG543960	07/03/11 10:09
cis-1,2-Dichloroethene	< .001	mg/l			WG543960	07/03/11 10:09
cis-1,3-Dichloropropene	< .001	mg/l			WG543960	07/03/11 10:09
Di-isopropyl ether	< .001	mg/l			WG543960	07/03/11 10:09
Dibromomethane	< .001	mg/l			WG543960	07/03/11 10:09
Dichlorodifluoromethane	< .005	mg/l			WG543960	07/03/11 10:09
Ethylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
Hexachloro-1,3-butadiene	< .001	mg/l			WG543960	07/03/11 10:09
Isopropylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
Methyl tert-butyl ether	< .001	mg/l			WG543960	07/03/11 10:09
Methylene Chloride	< .005	mg/l			WG543960	07/03/11 10:09
n-Butylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
n-Propylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
Naphthalene	< .005	mg/l			WG543960	07/03/11 10:09
p-Isopropyltoluene	< .001	mg/l			WG543960	07/03/11 10:09
sec-Butylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
Styrene	< .001	mg/l			WG543960	07/03/11 10:09
tert-Butylbenzene	< .001	mg/l			WG543960	07/03/11 10:09
Tetrachloroethene	< .001	mg/l			WG543960	07/03/11 10:09
Toluene	< .005	mg/l			WG543960	07/03/11 10:09
trans-1,2-Dichloroethene	< .001	mg/l			WG543960	07/03/11 10:09
trans-1,3-Dichloropropene	< .001	mg/l			WG543960	07/03/11 10:09
Trichloroethene	< .001	mg/l			WG543960	07/03/11 10:09
Trichlorofluoromethane	< .005	mg/l			WG543960	07/03/11 10:09
Vinyl chloride	< .001	mg/l			WG543960	07/03/11 10:09
Xylenes, Total	< .003	mg/l			WG543960	07/03/11 10:09
4-Bromofluorobenzene		% Rec.	98.77	75-128	WG543960	07/03/11 10:09
Dibromofluoromethane		% Rec.	106.7	79-125	WG543960	07/03/11 10:09
Toluene-d8		% Rec.	104.0	87-114	WG543960	07/03/11 10:09
1-Methylnaphthalene	< .00025	mg/l			WG544015	07/05/11 10:00
2-Chloronaphthalene	< .00025	mg/l			WG544015	07/05/11 10:00
2-Methylnaphthalene	< .00025	mg/l			WG544015	07/05/11 10:00
Acenaphthene	< .00005	mg/l			WG544015	07/05/11 10:00
Acenaphthylene	< .00005	mg/l			WG544015	07/05/11 10:00
Anthracene	< .00005	mg/l			WG544015	07/05/11 10:00
Benzo(a)anthracene	< .00005	mg/l			WG544015	07/05/11 10:00
Benzo(a)pyrene	< .00005	mg/l			WG544015	07/05/11 10:00
Benzo(b)fluoranthene	< .00005	mg/l			WG544015	07/05/11 10:00
Benzo(g,h,i)perylene	< .00005	mg/l			WG544015	07/05/11 10:00
Benzo(k)fluoranthene	< .00005	mg/l			WG544015	07/05/11 10:00
Chrysene	< .00005	mg/l			WG544015	07/05/11 10:00
Dibenz(a,h)anthracene	< .00005	mg/l			WG544015	07/05/11 10:00
Fluoranthene	< .00005	mg/l			WG544015	07/05/11 10:00
Fluorene	< .00005	mg/l			WG544015	07/05/11 10:00
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG544015	07/05/11 10:00
Naphthalene	< .00025	mg/l			WG544015	07/05/11 10:00
Phenanthrene	< .00005	mg/l			WG544015	07/05/11 10:00
Pyrene	< .00005	mg/l			WG544015	07/05/11 10:00
2-Fluorobiphenyl		% Rec.	86.05	70-130	WG544015	07/05/11 10:00
Nitrobenzene-d5		% Rec.	85.20	70-130	WG544015	07/05/11 10:00
p-Terphenyl-d14		% Rec.	90.02	70-130	WG544015	07/05/11 10:00
Gasoline Range Organics-NWTPH	< .1	mg/l			WG543993	07/04/11 15:26

* Performance of this Analyte is outside of established criteria.
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Est. 1970

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
a,a,a-Trifluorotoluene(FID)		% Rec.	94.51	62-128		07/04/11 15:26
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,1,1-Trichloroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,1,2-Trichloroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,1-Dichloroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,1-Dichloroethene	< .001	mg/l			WG544333	07/06/11 14:18
1,1-Dichloropropene	< .001	mg/l			WG544333	07/06/11 14:18
1,2,3-Trichlorobenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,2,3-Trichloropropane	< .001	mg/l			WG544333	07/06/11 14:18
1,2,3-Trimethylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,2,4-Trichlorobenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,2,4-Trimethylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG544333	07/06/11 14:18
1,2-Dibromoethane	< .001	mg/l			WG544333	07/06/11 14:18
1,2-Dichlorobenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,2-Dichloroethane	< .001	mg/l			WG544333	07/06/11 14:18
1,2-Dichloropropane	< .001	mg/l			WG544333	07/06/11 14:18
1,3,5-Trimethylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,3-Dichlorobenzene	< .001	mg/l			WG544333	07/06/11 14:18
1,3-Dichloropropane	< .001	mg/l			WG544333	07/06/11 14:18
1,4-Dichlorobenzene	< .001	mg/l			WG544333	07/06/11 14:18
2,2-Dichloropropane	< .001	mg/l			WG544333	07/06/11 14:18
2-Butanone (MEK)	< .01	mg/l			WG544333	07/06/11 14:18
2-Chloroethyl vinyl ether	< .05	mg/l			WG544333	07/06/11 14:18
2-Chlorotoluene	< .001	mg/l			WG544333	07/06/11 14:18
4-Chlorotoluene	< .001	mg/l			WG544333	07/06/11 14:18
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG544333	07/06/11 14:18
Acetone	< .05	mg/l			WG544333	07/06/11 14:18
Acrolein	< .025	mg/l			WG544333	07/06/11 14:18
Acrylonitrile	< .01	mg/l			WG544333	07/06/11 14:18
Benzene	< .001	mg/l			WG544333	07/06/11 14:18
Bromobenzene	< .001	mg/l			WG544333	07/06/11 14:18
Bromodichloromethane	< .001	mg/l			WG544333	07/06/11 14:18
Bromoform	< .001	mg/l			WG544333	07/06/11 14:18
Bromomethane	< .005	mg/l			WG544333	07/06/11 14:18
Carbon tetrachloride	< .001	mg/l			WG544333	07/06/11 14:18
Chlorobenzene	< .001	mg/l			WG544333	07/06/11 14:18
Chlorodibromomethane	< .001	mg/l			WG544333	07/06/11 14:18
Chloroethane	< .005	mg/l			WG544333	07/06/11 14:18
Chloroform	< .005	mg/l			WG544333	07/06/11 14:18
Chloromethane	< .0025	mg/l			WG544333	07/06/11 14:18
cis-1,2-Dichloroethene	< .001	mg/l			WG544333	07/06/11 14:18
cis-1,3-Dichloropropene	< .001	mg/l			WG544333	07/06/11 14:18
Di-isopropyl ether	< .001	mg/l			WG544333	07/06/11 14:18
Dibromomethane	< .001	mg/l			WG544333	07/06/11 14:18
Dichlorodifluoromethane	< .005	mg/l			WG544333	07/06/11 14:18
Ethylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
Hexachloro-1,3-butadiene	< .001	mg/l			WG544333	07/06/11 14:18
Isopropylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
Methyl tert-butyl ether	< .001	mg/l			WG544333	07/06/11 14:18
Methylene Chloride	< .005	mg/l			WG544333	07/06/11 14:18
n-Butylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
n-Propylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
Naphthalene	< .005	mg/l			WG544333	07/06/11 14:18
p-Isopropyltoluene	< .001	mg/l			WG544333	07/06/11 14:18
sec-Butylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
Styrene	< .001	mg/l			WG544333	07/06/11 14:18

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
tert-Butylbenzene	< .001	mg/l			WG544333	07/06/11 14:18
Tetrachloroethene	< .001	mg/l			WG544333	07/06/11 14:18
Toluene	< .005	mg/l			WG544333	07/06/11 14:18
trans-1,2-Dichloroethene	< .001	mg/l			WG544333	07/06/11 14:18
trans-1,3-Dichloropropene	< .001	mg/l			WG544333	07/06/11 14:18
Trichloroethene	< .001	mg/l			WG544333	07/06/11 14:18
Trichlorofluoromethane	< .005	mg/l			WG544333	07/06/11 14:18
Vinyl chloride	< .001	mg/l			WG544333	07/06/11 14:18
Xylenes, Total	< .003	mg/l			WG544333	07/06/11 14:18
4-Bromofluorobenzene		% Rec.	93.20	75-128	WG544333	07/06/11 14:18
Dibromofluoromethane		% Rec.	98.68	79-125	WG544333	07/06/11 14:18
Toluene-d8		% Rec.	102.4	87-114	WG544333	07/06/11 14:18
2,4,5-T	< .002	mg/l			WG544098	07/07/11 08:27
2,4,5-TP (Silvex)	< .002	mg/l			WG544098	07/07/11 08:27
2,4-D	< .002	mg/l			WG544098	07/07/11 08:27
2,4-DB	< .002	mg/l			WG544098	07/07/11 08:27
Dalapon	< .002	mg/l			WG544098	07/07/11 08:27
Dicamba	< .002	mg/l			WG544098	07/07/11 08:27
Dichloroprop	< .002	mg/l			WG544098	07/07/11 08:27
Dinoseb	< .002	mg/l			WG544098	07/07/11 08:27
MCPA	< .1	mg/l			WG544098	07/07/11 08:27
MCPP	< .1	mg/l			WG544098	07/07/11 08:27
2,4-Dichlorophenyl Acetic Acid		%	74.09	42-112	WG544098	07/07/11 08:27
Nitrate-Nitrite	< .1	mg/l			WG544461	07/07/11 14:06
Ammonia Nitrogen	< .1	mg/l			WG544523	07/11/11 13:25
Diesel Range Organics (DRO)	< .1	ppm			WG545081	07/12/11 17:38
Residual Range Organics (RRO)	< .25	ppm			WG545081	07/12/11 17:38
o-Terphenyl		% Rec.	109.1	50-150	WG545081	07/12/11 17:38

Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Arsenic,Dissolved	mg/l	0.0290	0.0240	19.2	20	L524123-20	WG544116	
Barium,Dissolved	mg/l	0.0470	0.0480	1.89	20	L524123-20	WG544116	
Cadmium,Dissolved	mg/l	0	0	0	20	L524123-20	WG544116	
Chromium,Dissolved	mg/l	0	0	0	20	L524123-20	WG544116	
Lead,Dissolved	mg/l	0	0	0	20	L524123-20	WG544116	
Selenium,Dissolved	mg/l	0.0740	0.0530	32.7*	20	L524123-20	WG544116	
Silver,Dissolved	mg/l	0	0	0	20	L524123-20	WG544116	
Arsenic,Dissolved	mg/l	0	0.0102	NA	20	L524016-17	WG544204	
Barium,Dissolved	mg/l	0.0390	0.0395	2.30	20	L524016-17	WG544204	
Cadmium,Dissolved	mg/l	0	0.00160	NA	20	L524016-17	WG544204	
Chromium,Dissolved	mg/l	0	0.00110	NA	20	L524016-17	WG544204	
Lead,Dissolved	mg/l	0	0	0	20	L524016-17	WG544204	
Selenium,Dissolved	mg/l	0	0.00980	NA	20	L524016-17	WG544204	
Silver,Dissolved	mg/l	0	0.00624	NA	20	L524016-17	WG544204	
Mercury,Dissolved	mg/l	0	0	0	20	L524191-01	WG543928	

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Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Nitrate-Nitrite	mg/l	0.620	0.600	3.44	20	L524023-04	WG544461	
Nitrate-Nitrite	mg/l	0.260	0.270	5.71	20	L524348-06	WG544461	
Ammonia Nitrogen	mg/l	0.300	0.280	5.89	20	L524067-02	WG544523	
Ammonia Nitrogen	mg/l	0	0	0	20	L523439-03	WG544523	

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Arsenic, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG544116
Barium, Dissolved	mg/l	1.13	1.21	107.	85-115	WG544116
Cadmium, Dissolved	mg/l	1.13	1.28	113.	85-115	WG544116
Chromium, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG544116
Lead, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG544116
Selenium, Dissolved	mg/l	1.13	1.11	98.2	85-115	WG544116
Silver, Dissolved	mg/l	1.13	1.17	104.	85-115	WG544116

Arsenic, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG544204
Barium, Dissolved	mg/l	1.13	1.13	100.	85-115	WG544204
Cadmium, Dissolved	mg/l	1.13	1.11	98.2	85-115	WG544204
Chromium, Dissolved	mg/l	1.13	1.16	103.	85-115	WG544204
Lead, Dissolved	mg/l	1.13	1.18	104.	85-115	WG544204
Selenium, Dissolved	mg/l	1.13	1.09	96.5	85-115	WG544204
Silver, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG544204

Mercury, Dissolved	mg/l	.003	0.00279	93.0	85-115	WG543928
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1,1,1,2-Tetrachloroethane	mg/l	.025	0.0261	104.	75-134	WG543960
1,1,1-Trichloroethane	mg/l	.025	0.0286	115.	67-137	WG543960
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0263	105.	72-128	WG543960
1,1,2-Trichloroethane	mg/l	.025	0.0271	108.	79-123	WG543960
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0344	137.	51-149	WG543960
1,1-Dichloroethane	mg/l	.025	0.0294	118.	67-133	WG543960
1,1-Dichloroethene	mg/l	.025	0.0319	128.	60-130	WG543960
1,1-Dichloropropene	mg/l	.025	0.0286	114.	68-132	WG543960
1,2,3-Trichlorobenzene	mg/l	.025	0.0258	103.	63-138	WG543960
1,2,3-Trichloropropane	mg/l	.025	0.0262	105.	68-130	WG543960
1,2,3-Trimethylbenzene	mg/l	.025	0.0257	103.	70-127	WG543960
1,2,4-Trichlorobenzene	mg/l	.025	0.0275	110.	65-137	WG543960
1,2,4-Trimethylbenzene	mg/l	.025	0.0263	105.	72-135	WG543960
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0221	88.3	55-134	WG543960
1,2-Dibromoethane	mg/l	.025	0.0271	109.	75-126	WG543960
1,2-Dichlorobenzene	mg/l	.025	0.0253	101.	75-122	WG543960
1,2-Dichloroethane	mg/l	.025	0.0260	104.	63-137	WG543960
1,2-Dichloropropane	mg/l	.025	0.0272	109.	74-122	WG543960
1,3,5-Trimethylbenzene	mg/l	.025	0.0265	106.	73-134	WG543960
1,3-Dichlorobenzene	mg/l	.025	0.0258	103.	73-131	WG543960
1,3-Dichloropropane	mg/l	.025	0.0260	104.	77-119	WG543960
1,4-Dichlorobenzene	mg/l	.025	0.0259	104.	70-121	WG543960
2,2-Dichloropropane	mg/l	.025	0.0285	114.	46-151	WG543960
2-Butanone (MEK)	mg/l	.125	0.142	114.	53-132	WG543960
2-Chloroethyl vinyl ether	mg/l	.125	0.106	84.9	0-171	WG543960
2-Chlorotoluene	mg/l	.025	0.0260	104.	74-128	WG543960
4-Chlorotoluene	mg/l	.025	0.0258	103.	74-130	WG543960
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.143	115.	60-142	WG543960

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Acetone	mg/l	.125	0.137	110.	48-134	WG543960
Acrolein	mg/l	.125	0.208	166.	6-182	WG543960
Acrylonitrile	mg/l	.125	0.140	112.	60-140	WG543960
Benzene	mg/l	.025	0.0295	118.	67-126	WG543960
Bromobenzene	mg/l	.025	0.0257	103.	76-123	WG543960
Bromodichloromethane	mg/l	.025	0.0267	107.	68-133	WG543960
Bromoform	mg/l	.025	0.0231	92.4	60-139	WG543960
Bromomethane	mg/l	.025	0.0237	94.9	45-175	WG543960
Carbon tetrachloride	mg/l	.025	0.0285	114.	64-141	WG543960
Chlorobenzene	mg/l	.025	0.0258	103.	77-125	WG543960
Chlorodibromomethane	mg/l	.025	0.0263	105.	73-138	WG543960
Chloroethane	mg/l	.025	0.0287	115.	49-155	WG543960
Chloroform	mg/l	.025	0.0292	117.	66-126	WG543960
Chloromethane	mg/l	.025	0.0272	109.	45-152	WG543960
cis-1,2-Dichloroethene	mg/l	.025	0.0287	115.	72-128	WG543960
cis-1,3-Dichloropropene	mg/l	.025	0.0278	111.	73-131	WG543960
Di-isopropyl ether	mg/l	.025	0.0288	115.	63-139	WG543960
Dibromomethane	mg/l	.025	0.0271	108.	73-125	WG543960
Dichlorodifluoromethane	mg/l	.025	0.0277	111.	39-189	WG543960
Ethylbenzene	mg/l	.025	0.0269	108.	76-129	WG543960
Hexachloro-1,3-butadiene	mg/l	.025	0.0241	96.4	67-135	WG543960
Isopropylbenzene	mg/l	.025	0.0284	113.	73-132	WG543960
Methyl tert-butyl ether	mg/l	.025	0.0317	127.	51-142	WG543960
Methylene Chloride	mg/l	.025	0.0295	118.	64-125	WG543960
n-Butylbenzene	mg/l	.025	0.0287	115.	63-142	WG543960
n-Propylbenzene	mg/l	.025	0.0272	109.	71-132	WG543960
Naphthalene	mg/l	.025	0.0261	104.	56-145	WG543960
p-Isopropyltoluene	mg/l	.025	0.0276	110.	68-138	WG543960
sec-Butylbenzene	mg/l	.025	0.0270	108.	70-135	WG543960
Styrene	mg/l	.025	0.0200	79.8	78-130	WG543960
tert-Butylbenzene	mg/l	.025	0.0257	103.	72-134	WG543960
Tetrachloroethene	mg/l	.025	0.0259	104.	67-135	WG543960
Toluene	mg/l	.025	0.0273	109.	72-122	WG543960
trans-1,2-Dichloroethene	mg/l	.025	0.0294	118.	67-129	WG543960
trans-1,3-Dichloropropene	mg/l	.025	0.0266	106.	66-137	WG543960
Trichloroethene	mg/l	.025	0.0267	107.	74-126	WG543960
Trichlorofluoromethane	mg/l	.025	0.0278	111.	54-156	WG543960
Vinyl chloride	mg/l	.025	0.0271	108.	55-153	WG543960
Xylenes, Total	mg/l	.075	0.0778	104.	75-128	WG543960
4-Bromofluorobenzene				101.1	75-128	WG543960
Dibromofluoromethane				107.6	79-125	WG543960
Toluene-d8				106.9	87-114	WG543960
1-Methylnaphthalene	mg/l	.002	0.00160	79.9	70-130	WG544015
2-Chloronaphthalene	mg/l	.002	0.00157	78.3	70-130	WG544015
2-Methylnaphthalene	mg/l	.002	0.00158	78.9	70-130	WG544015
Acenaphthene	mg/l	.002	0.00158	78.9	70-130	WG544015
Acenaphthylene	mg/l	.002	0.00161	80.6	70-130	WG544015
Anthracene	mg/l	.002	0.00166	83.2	70-130	WG544015
Benzo(a)anthracene	mg/l	.002	0.00174	87.2	70-130	WG544015
Benzo(a)pyrene	mg/l	.002	0.00171	85.3	70-130	WG544015
Benzo(b)fluoranthene	mg/l	.002	0.00166	82.8	70-130	WG544015
Benzo(g,h,i)perylene	mg/l	.002	0.00159	79.5	70-130	WG544015
Benzo(k)fluoranthene	mg/l	.002	0.00151	75.7	70-130	WG544015
Chrysene	mg/l	.002	0.00160	79.9	70-130	WG544015
Dibenz(a,h)anthracene	mg/l	.002	0.00165	82.4	70-130	WG544015
Fluoranthene	mg/l	.002	0.00177	88.3	70-130	WG544015
Fluorene	mg/l	.002	0.00161	80.7	70-130	WG544015

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Quality Assurance Report
 Level II

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Tax I.D. 62-0814289

Est. 1970

July 13, 2011

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00163	81.5	70-130	WG544015
Naphthalene	mg/l	.002	0.00152	76.0	70-130	WG544015
Phenanthrene	mg/l	.002	0.00155	77.6	70-130	WG544015
Pyrene	mg/l	.002	0.00163	81.4	70-130	WG544015
2-Fluorobiphenyl				79.84	70-130	WG544015
Nitrobenzene-d5				78.78	70-130	WG544015
p-Terphenyl-d14				82.96	70-130	WG544015
Gasoline Range Organics-NWTPH	mg/l	5.5	5.83	106.	70-124	WG543993
a,a,a-Trifluorotoluene(FID)				95.53	62-128	WG543993
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0244	97.5	75-134	WG544333
1,1,1-Trichloroethane	mg/l	.025	0.0220	87.8	67-137	WG544333
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0267	107.	72-128	WG544333
1,1,2-Trichloroethane	mg/l	.025	0.0274	110.	79-123	WG544333
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0264	106.	51-149	WG544333
1,1-Dichloroethane	mg/l	.025	0.0261	104.	67-133	WG544333
1,1-Dichloroethene	mg/l	.025	0.0260	104.	60-130	WG544333
1,1-Dichloropropene	mg/l	.025	0.0244	97.6	68-132	WG544333
1,2,3-Trichlorobenzene	mg/l	.025	0.0244	97.6	63-138	WG544333
1,2,3-Trichloropropane	mg/l	.025	0.0252	101.	68-130	WG544333
1,2,3-Trimethylbenzene	mg/l	.025	0.0242	96.9	70-127	WG544333
1,2,4-Trichlorobenzene	mg/l	.025	0.0253	101.	65-137	WG544333
1,2,4-Trimethylbenzene	mg/l	.025	0.0247	98.7	72-135	WG544333
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0233	93.2	55-134	WG544333
1,2-Dibromoethane	mg/l	.025	0.0264	106.	75-126	WG544333
1,2-Dichlorobenzene	mg/l	.025	0.0254	101.	75-122	WG544333
1,2-Dichloroethane	mg/l	.025	0.0239	95.6	63-137	WG544333
1,2-Dichloropropane	mg/l	.025	0.0272	109.	74-122	WG544333
1,3,5-Trimethylbenzene	mg/l	.025	0.0255	102.	73-134	WG544333
1,3-Dichlorobenzene	mg/l	.025	0.0270	108.	73-131	WG544333
1,3-Dichloropropane	mg/l	.025	0.0256	103.	77-119	WG544333
1,4-Dichlorobenzene	mg/l	.025	0.0252	101.	70-121	WG544333
2,2-Dichloropropane	mg/l	.025	0.0194	77.8	46-151	WG544333
2-Butanone (MEK)	mg/l	.125	0.131	105.	53-132	WG544333
2-Chloroethyl vinyl ether	mg/l	.125	0.207	165.	0-171	WG544333
2-Chlorotoluene	mg/l	.025	0.0250	100.	74-128	WG544333
4-Chlorotoluene	mg/l	.025	0.0255	102.	74-130	WG544333
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.125	99.8	60-142	WG544333
Acetone	mg/l	.125	0.141	113.	48-134	WG544333
Acrolein	mg/l	.125	0.131	104.	6-182	WG544333
Acrylonitrile	mg/l	.125	0.143	115.	60-140	WG544333
Benzene	mg/l	.025	0.0254	102.	67-126	WG544333
Bromobenzene	mg/l	.025	0.0251	100.	76-123	WG544333
Bromodichloromethane	mg/l	.025	0.0244	97.7	68-133	WG544333
Bromoform	mg/l	.025	0.0250	99.9	60-139	WG544333
Bromomethane	mg/l	.025	0.0304	122.	45-175	WG544333
Carbon tetrachloride	mg/l	.025	0.0215	86.1	64-141	WG544333
Chlorobenzene	mg/l	.025	0.0267	107.	77-125	WG544333
Chlorodibromomethane	mg/l	.025	0.0253	101.	73-138	WG544333
Chloroethane	mg/l	.025	0.0260	104.	49-155	WG544333
Chloroform	mg/l	.025	0.0238	95.1	66-126	WG544333
Chloromethane	mg/l	.025	0.0264	106.	45-152	WG544333
cis-1,2-Dichloroethene	mg/l	.025	0.0249	99.7	72-128	WG544333
cis-1,3-Dichloropropene	mg/l	.025	0.0256	102.	73-131	WG544333
Di-isopropyl ether	mg/l	.025	0.0279	112.	63-139	WG544333
Dibromomethane	mg/l	.025	0.0250	100.	73-125	WG544333

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Dichlorodifluoromethane	mg/l	.025	0.0247	98.7	39-189	WG544333
Ethylbenzene	mg/l	.025	0.0254	102.	76-129	WG544333
Hexachloro-1,3-butadiene	mg/l	.025	0.0239	95.4	67-135	WG544333
Isopropylbenzene	mg/l	.025	0.0248	99.4	73-132	WG544333
Methyl tert-butyl ether	mg/l	.025	0.0242	96.9	51-142	WG544333
Methylene Chloride	mg/l	.025	0.0248	99.3	64-125	WG544333
n-Butylbenzene	mg/l	.025	0.0249	99.6	63-142	WG544333
n-Propylbenzene	mg/l	.025	0.0256	102.	71-132	WG544333
Naphthalene	mg/l	.025	0.0241	96.4	56-145	WG544333
p-Isopropyltoluene	mg/l	.025	0.0255	102.	68-138	WG544333
sec-Butylbenzene	mg/l	.025	0.0254	102.	70-135	WG544333
Styrene	mg/l	.025	0.0261	105.	78-130	WG544333
tert-Butylbenzene	mg/l	.025	0.0259	103.	72-134	WG544333
Tetrachloroethene	mg/l	.025	0.0244	97.7	67-135	WG544333
Toluene	mg/l	.025	0.0245	97.9	72-122	WG544333
trans-1,2-Dichloroethene	mg/l	.025	0.0257	103.	67-129	WG544333
trans-1,3-Dichloropropene	mg/l	.025	0.0264	106.	66-137	WG544333
Trichloroethene	mg/l	.025	0.0247	98.9	74-126	WG544333
Trichlorofluoromethane	mg/l	.025	0.0245	98.1	54-156	WG544333
Vinyl chloride	mg/l	.025	0.0264	106.	55-153	WG544333
Xylenes, Total	mg/l	.075	0.0749	99.9	75-128	WG544333
4-Bromofluorobenzene				98.22	75-128	WG544333
Dibromofluoromethane				100.3	79-125	WG544333
Toluene-d8				99.85	87-114	WG544333
2,4,5-T	mg/l	.005	0.00474	94.8	30-136	WG544098
2,4,5-TP (Silvex)	mg/l	.005	0.00451	90.3	33-134	WG544098
2,4-D	mg/l	.005	0.00550	110.	24-127	WG544098
2,4-DB	mg/l	.005	0.00559	112.	22-198	WG544098
Dalapon	mg/l	.005	0.00337	67.4	14-121	WG544098
Dicamba	mg/l	.005	0.00465	92.9	31-135	WG544098
Dichloroprop	mg/l	.005	0.00382	76.3	30-122	WG544098
Dinoseb	mg/l	.005	0.00397	79.4	28-183	WG544098
MCPA	mg/l	.5	0.451	90.1	32-153	WG544098
MCPD	mg/l	.5	0.518	104.	42-133	WG544098
2,4-Dichlorophenyl Acetic Acid				106.7	42-112	WG544098
Nitrate-Nitrite	mg/l	5	5.03	101.	85-115	WG544461
Ammonia Nitrogen	mg/l	7.5	7.90	105.	90-110	WG544523
Diesel Range Organics (DRO)	mg/l	.75	0.870	116.	50-150	WG545081
Residual Range Organics (RRO)	mg/l	.75	0.913	122.	50-150	WG545081
o-Terphenyl				112.8	50-150	WG545081

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
1,1,1,2-Tetrachloroethane	mg/l	0.0262	0.0261	105.	75-134	0.260	20	WG543960
1,1,1-Trichloroethane	mg/l	0.0280	0.0286	112.	67-137	2.21	20	WG543960
1,1,2,2-Tetrachloroethane	mg/l	0.0255	0.0263	102.	72-128	3.18	20	WG543960
1,1,2-Trichloroethane	mg/l	0.0263	0.0271	105.	79-123	2.87	20	WG543960
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0340	0.0344	136.	51-149	1.13	20	WG543960
1,1-Dichloroethane	mg/l	0.0294	0.0294	118.	67-133	0.170	20	WG543960
1,1-Dichloroethene	mg/l	0.0322	0.0319	129.	60-130	0.920	20	WG543960

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Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
1,1-Dichloropropene	mg/l	0.0287	0.0286	115.	68-132	0.580	20	WG543960
1,2,3-Trichlorobenzene	mg/l	0.0245	0.0258	98.0	63-138	4.97	20	WG543960
1,2,3-Trichloropropane	mg/l	0.0252	0.0262	101.	68-130	3.88	20	WG543960
1,2,3-Trimethylbenzene	mg/l	0.0256	0.0257	102.	70-127	0.660	20	WG543960
1,2,4-Trichlorobenzene	mg/l	0.0274	0.0275	109.	65-137	0.510	20	WG543960
1,2,4-Trimethylbenzene	mg/l	0.0265	0.0263	106.	72-135	0.850	20	WG543960
1,2-Dibromo-3-Chloropropane	mg/l	0.0204	0.0221	81.0	55-134	8.10	20	WG543960
1,2-Dibromoethane	mg/l	0.0262	0.0271	105.	75-126	3.36	20	WG543960
1,2-Dichlorobenzene	mg/l	0.0247	0.0253	99.0	75-122	2.35	20	WG543960
1,2-Dichloroethane	mg/l	0.0250	0.0260	100.	63-137	4.06	20	WG543960
1,2-Dichloropropane	mg/l	0.0266	0.0272	106.	74-122	2.45	20	WG543960
1,3,5-Trimethylbenzene	mg/l	0.0271	0.0265	108.	73-134	2.14	20	WG543960
1,3-Dichlorobenzene	mg/l	0.0262	0.0258	105.	73-131	1.45	20	WG543960
1,3-Dichloropropane	mg/l	0.0266	0.0260	106.	77-119	2.48	20	WG543960
1,4-Dichlorobenzene	mg/l	0.0260	0.0259	104.	70-121	0.320	20	WG543960
2,2-Dichloropropane	mg/l	0.0288	0.0285	115.	46-151	0.970	20	WG543960
2-Butanone (MEK)	mg/l	0.127	0.142	101.	53-132	11.3	20	WG543960
2-Chloroethyl vinyl ether	mg/l	0.110	0.106	88.0	0-171	3.81	27	WG543960
2-Chlorotoluene	mg/l	0.0262	0.0260	105.	74-128	0.970	20	WG543960
4-Chlorotoluene	mg/l	0.0263	0.0258	105.	74-130	1.76	20	WG543960
4-Methyl-2-pentanone (MIBK)	mg/l	0.130	0.143	104.	60-142	9.89	20	WG543960
Acetone	mg/l	0.129	0.137	104.	48-134	6.04	20	WG543960
Acrolein	mg/l	0.196	0.208	156.	6-182	5.87	39	WG543960
Acrylonitrile	mg/l	0.131	0.140	104.	60-140	7.02	20	WG543960
Benzene	mg/l	0.0289	0.0295	115.	67-126	2.16	20	WG543960
Bromobenzene	mg/l	0.0254	0.0257	102.	76-123	1.01	20	WG543960
Bromodichloromethane	mg/l	0.0257	0.0267	103.	68-133	3.77	20	WG543960
Bromoform	mg/l	0.0226	0.0231	90.0	60-139	2.01	20	WG543960
Bromomethane	mg/l	0.0240	0.0237	96.0	45-175	1.23	20	WG543960
Carbon tetrachloride	mg/l	0.0282	0.0285	113.	64-141	1.04	20	WG543960
Chlorobenzene	mg/l	0.0262	0.0258	105.	77-125	1.90	20	WG543960
Chlorodibromomethane	mg/l	0.0259	0.0263	104.	73-138	1.53	20	WG543960
Chloroethane	mg/l	0.0276	0.0287	110.	49-155	3.96	20	WG543960
Chloroform	mg/l	0.0279	0.0292	112.	66-126	4.43	20	WG543960
Chloromethane	mg/l	0.0264	0.0272	106.	45-152	2.82	20	WG543960
cis-1,2-Dichloroethene	mg/l	0.0283	0.0287	113.	72-128	1.51	20	WG543960
cis-1,3-Dichloropropene	mg/l	0.0270	0.0278	108.	73-131	2.76	20	WG543960
Di-isopropyl ether	mg/l	0.0284	0.0288	113.	63-139	1.49	20	WG543960
Dibromomethane	mg/l	0.0252	0.0271	101.	73-125	7.17	20	WG543960
Dichlorodifluoromethane	mg/l	0.0291	0.0277	116.	39-189	4.88	24	WG543960
Ethylbenzene	mg/l	0.0274	0.0269	110.	76-129	2.10	20	WG543960
Hexachloro-1,3-butadiene	mg/l	0.0244	0.0241	98.0	67-135	1.21	20	WG543960
Isopropylbenzene	mg/l	0.0292	0.0284	117.	73-132	3.02	20	WG543960
Methyl tert-butyl ether	mg/l	0.0302	0.0317	121.	51-142	4.84	20	WG543960
Methylene Chloride	mg/l	0.0279	0.0295	112.	64-125	5.62	20	WG543960
n-Butylbenzene	mg/l	0.0288	0.0287	115.	63-142	0.300	20	WG543960
n-Propylbenzene	mg/l	0.0278	0.0272	111.	71-132	2.32	20	WG543960
Naphthalene	mg/l	0.0240	0.0261	96.0	56-145	8.63	20	WG543960
p-Isopropyltoluene	mg/l	0.0280	0.0276	112.	68-138	1.59	20	WG543960
sec-Butylbenzene	mg/l	0.0276	0.0270	110.	70-135	1.91	20	WG543960
Styrene	mg/l	0.0204	0.0200	82.0	78-130	2.13	20	WG543960
tert-Butylbenzene	mg/l	0.0264	0.0257	106.	72-134	2.60	20	WG543960
Tetrachloroethene	mg/l	0.0269	0.0259	108.	67-135	3.84	20	WG543960
Toluene	mg/l	0.0267	0.0273	107.	72-122	2.13	20	WG543960
trans-1,2-Dichloroethene	mg/l	0.0292	0.0294	117.	67-129	0.740	20	WG543960
trans-1,3-Dichloropropene	mg/l	0.0250	0.0266	100.	66-137	5.89	20	WG543960
Trichloroethene	mg/l	0.0260	0.0267	104.	74-126	2.98	20	WG543960
Trichlorofluoromethane	mg/l	0.0272	0.0278	109.	54-156	2.35	20	WG543960
Vinyl chloride	mg/l	0.0274	0.0271	109.	55-153	0.880	20	WG543960

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Quality Assurance Report
 Level II

L524191

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

July 13, 2011

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Xylenes, Total	mg/l	0.0800	0.0778	107.	75-128	2.71	20	WG543960
4-Bromofluorobenzene				104.0	75-128			WG543960
Dibromofluoromethane				107.4	79-125			WG543960
Toluene-d8				105.8	87-114			WG543960
1-Methylnaphthalene	mg/l	0.00159	0.00160	79.0	70-130	0.630	25	WG544015
2-Chloronaphthalene	mg/l	0.00157	0.00157	79.0	70-130	0.463	25	WG544015
2-Methylnaphthalene	mg/l	0.00157	0.00158	79.0	70-130	0.283	25	WG544015
Acenaphthene	mg/l	0.00159	0.00158	80.0	70-130	0.940	25	WG544015
Acenaphthylene	mg/l	0.00163	0.00161	81.0	70-130	1.16	25	WG544015
Anthracene	mg/l	0.00167	0.00166	83.0	70-130	0.254	25	WG544015
Benzo(a)anthracene	mg/l	0.00178	0.00174	89.0	70-130	2.06	25	WG544015
Benzo(a)pyrene	mg/l	0.00177	0.00171	88.0	70-130	3.52	25	WG544015
Benzo(b)fluoranthene	mg/l	0.00164	0.00166	82.0	70-130	1.21	25	WG544015
Benzo(g,h,i)perylene	mg/l	0.00166	0.00159	83.0	70-130	4.00	25	WG544015
Benzo(k)fluoranthene	mg/l	0.00162	0.00151	81.0	70-130	6.68	25	WG544015
Chrysene	mg/l	0.00160	0.00160	80.0	70-130	0.190	25	WG544015
Dibenz(a,h)anthracene	mg/l	0.00171	0.00165	86.0	70-130	3.79	25	WG544015
Fluoranthene	mg/l	0.00178	0.00177	89.0	70-130	0.805	25	WG544015
Fluorene	mg/l	0.00161	0.00161	80.0	70-130	0.338	25	WG544015
Indeno(1,2,3-cd)pyrene	mg/l	0.00169	0.00163	85.0	70-130	3.85	25	WG544015
Naphthalene	mg/l	0.00152	0.00152	76.0	70-130	0.0892	25	WG544015
Phenanthrene	mg/l	0.00157	0.00155	78.0	70-130	1.11	25	WG544015
Pyrene	mg/l	0.00165	0.00163	82.0	70-130	1.16	25	WG544015
2-Fluorobiphenyl				82.38	70-130			WG544015
Nitrobenzene-d5				81.88	70-130			WG544015
p-Terphenyl-d14				86.20	70-130			WG544015
Gasoline Range Organics-NWTPH	mg/l	5.80	5.83	105.	70-124	0.460	20	WG543993
a,a,a-Trifluorotoluene(FID)				95.76	62-128			WG543993
1,1,1,2-Tetrachloroethane	mg/l	0.0231	0.0244	92.0	75-134	5.24	20	WG544333
1,1,1-Trichloroethane	mg/l	0.0215	0.0220	86.0	67-137	2.01	20	WG544333
1,1,2,2-Tetrachloroethane	mg/l	0.0267	0.0267	107.	72-128	0.0200	20	WG544333
1,1,2-Trichloroethane	mg/l	0.0265	0.0274	106.	79-123	3.50	20	WG544333
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0240	0.0264	96.0	51-149	9.40	20	WG544333
1,1-Dichloroethane	mg/l	0.0244	0.0261	98.0	67-133	6.57	20	WG544333
1,1-Dichloroethene	mg/l	0.0241	0.0260	96.0	60-130	7.59	20	WG544333
1,1-Dichloropropene	mg/l	0.0233	0.0244	93.0	68-132	4.43	20	WG544333
1,2,3-Trichlorobenzene	mg/l	0.0262	0.0244	105.	63-138	7.16	20	WG544333
1,2,3-Trichloropropane	mg/l	0.0257	0.0252	103.	68-130	1.93	20	WG544333
1,2,3-Trimethylbenzene	mg/l	0.0233	0.0242	93.0	70-127	3.78	20	WG544333
1,2,4-Trichlorobenzene	mg/l	0.0259	0.0253	104.	65-137	2.46	20	WG544333
1,2,4-Trimethylbenzene	mg/l	0.0251	0.0247	100.	72-135	1.57	20	WG544333
1,2-Dibromo-3-Chloropropane	mg/l	0.0254	0.0233	101.	55-134	8.44	20	WG544333
1,2-Dibromoethane	mg/l	0.0265	0.0264	106.	75-126	0.320	20	WG544333
1,2-Dichlorobenzene	mg/l	0.0246	0.0254	98.0	75-122	3.16	20	WG544333
1,2-Dichloroethane	mg/l	0.0230	0.0239	92.0	63-137	3.83	20	WG544333
1,2-Dichloropropane	mg/l	0.0258	0.0272	103.	74-122	5.25	20	WG544333
1,3,5-Trimethylbenzene	mg/l	0.0252	0.0255	101.	73-134	1.26	20	WG544333
1,3-Dichlorobenzene	mg/l	0.0263	0.0270	105.	73-131	2.74	20	WG544333
1,3-Dichloropropane	mg/l	0.0251	0.0256	100.	77-119	1.96	20	WG544333
1,4-Dichlorobenzene	mg/l	0.0242	0.0252	97.0	70-121	4.11	20	WG544333
2,2-Dichloropropane	mg/l	0.0196	0.0194	78.0	46-151	0.880	20	WG544333
2-Butanone (MEK)	mg/l	0.136	0.131	108.	53-132	3.72	20	WG544333
2-Chloroethyl vinyl ether	mg/l	0.206	0.207	164.	0-171	0.600	27	WG544333

* Performance of this Analyte is outside of established criteria.

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 Mike Murray
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
2-Chlorotoluene	mg/l	0.0249	0.0250	100.		74-128	0.530	20	WG544333
4-Chlorotoluene	mg/l	0.0255	0.0255	102.		74-130	0.170	20	WG544333
4-Methyl-2-pentanone (MIBK)	mg/l	0.134	0.125	107.		60-142	7.43	20	WG544333
Acetone	mg/l	0.134	0.141	107.		48-134	5.45	20	WG544333
Acrolein	mg/l	0.127	0.131	102.		6-182	2.69	39	WG544333
Acrylonitrile	mg/l	0.141	0.143	113.		60-140	1.36	20	WG544333
Benzene	mg/l	0.0245	0.0254	98.0		67-126	3.37	20	WG544333
Bromobenzene	mg/l	0.0244	0.0251	97.0		76-123	2.79	20	WG544333
Bromodichloromethane	mg/l	0.0236	0.0244	94.0		68-133	3.31	20	WG544333
Bromoform	mg/l	0.0240	0.0250	96.0		60-139	4.17	20	WG544333
Bromomethane	mg/l	0.0295	0.0304	118.		45-175	3.03	20	WG544333
Carbon tetrachloride	mg/l	0.0207	0.0215	83.0		64-141	3.99	20	WG544333
Chlorobenzene	mg/l	0.0254	0.0267	101.		77-125	4.98	20	WG544333
Chlorodibromomethane	mg/l	0.0239	0.0253	96.0		73-138	5.86	20	WG544333
Chloroethane	mg/l	0.0254	0.0260	102.		49-155	2.26	20	WG544333
Chloroform	mg/l	0.0230	0.0238	92.0		66-126	3.52	20	WG544333
Chloromethane	mg/l	0.0251	0.0264	100.		45-152	5.29	20	WG544333
cis-1,2-Dichloroethene	mg/l	0.0244	0.0249	98.0		72-128	2.03	20	WG544333
cis-1,3-Dichloropropene	mg/l	0.0257	0.0256	103.		73-131	0.240	20	WG544333
Di-isopropyl ether	mg/l	0.0257	0.0279	103.		63-139	8.21	20	WG544333
Dibromomethane	mg/l	0.0248	0.0250	99.0		73-125	1.08	20	WG544333
Dichlorodifluoromethane	mg/l	0.0232	0.0247	93.0		39-189	6.22	24	WG544333
Ethylbenzene	mg/l	0.0239	0.0254	95.0		76-129	6.33	20	WG544333
Hexachloro-1,3-butadiene	mg/l	0.0247	0.0239	99.0		67-135	3.32	20	WG544333
Isopropylbenzene	mg/l	0.0235	0.0248	94.0		73-132	5.66	20	WG544333
Methyl tert-butyl ether	mg/l	0.0225	0.0242	90.0		51-142	7.45	20	WG544333
Methylene Chloride	mg/l	0.0226	0.0248	90.0		64-125	9.45	20	WG544333
n-Butylbenzene	mg/l	0.0241	0.0249	96.0		63-142	3.09	20	WG544333
n-Propylbenzene	mg/l	0.0246	0.0256	98.0		71-132	3.92	20	WG544333
Naphthalene	mg/l	0.0259	0.0241	104.		56-145	7.36	20	WG544333
p-Isopropyltoluene	mg/l	0.0254	0.0255	102.		68-138	0.250	20	WG544333
sec-Butylbenzene	mg/l	0.0258	0.0254	103.		70-135	1.73	20	WG544333
Styrene	mg/l	0.0244	0.0261	98.0		78-130	6.88	20	WG544333
tert-Butylbenzene	mg/l	0.0252	0.0259	101.		72-134	2.35	20	WG544333
Tetrachloroethene	mg/l	0.0236	0.0244	94.0		67-135	3.42	20	WG544333
Toluene	mg/l	0.0243	0.0245	97.0		72-122	0.830	20	WG544333
trans-1,2-Dichloroethene	mg/l	0.0230	0.0257	92.0		67-129	11.1	20	WG544333
trans-1,3-Dichloropropene	mg/l	0.0259	0.0264	104.		66-137	1.72	20	WG544333
Trichloroethene	mg/l	0.0242	0.0247	97.0		74-126	2.08	20	WG544333
Trichlorofluoromethane	mg/l	0.0233	0.0245	93.0		54-156	5.31	20	WG544333
Vinyl chloride	mg/l	0.0255	0.0264	102.		55-153	3.43	20	WG544333
Xylenes, Total	mg/l	0.0714	0.0749	95.0		75-128	4.78	20	WG544333
4-Bromofluorobenzene				99.88		75-128			WG544333
Dibromofluoromethane				99.27		79-125			WG544333
Toluene-d8				102.1		87-114			WG544333
2,4,5-T	mg/l	0.00463	0.00474	93.0		30-136	2.35	31	WG544098
2,4,5-TP (Silvex)	mg/l	0.00440	0.00451	88.0		33-134	2.49	30	WG544098
2,4-D	mg/l	0.00540	0.00550	108.		24-127	1.92	27	WG544098
2,4-DB	mg/l	0.00539	0.00559	108.		22-198	3.60	33	WG544098
Dalapon	mg/l	0.00333	0.00337	66.0		14-121	1.27	31	WG544098
Dicamba	mg/l	0.00458	0.00465	92.0		31-135	1.33	25	WG544098
Dichloroprop	mg/l	0.00374	0.00382	75.0		30-122	2.10	26	WG544098
Dinoseb	mg/l	0.00372	0.00397	74.0		28-183	6.38	38	WG544098
MCPA	mg/l	0.422	0.451	84.0		32-153	6.70	31	WG544098
MCPP	mg/l	0.557	0.518	111.		42-133	7.17	29	WG544098
2,4-Dichlorophenyl Acetic Acid				105.4		42-112			WG544098

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Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Nitrate-Nitrite	mg/l	4.77	5.03	95.0	85-115	5.31	20	WG544461
Ammonia Nitrogen	mg/l	7.99	7.90	106.	90-110	1.13	20	WG544523
Diesel Range Organics (DRO)	mg/l	0.828	0.870	110.	50-150	4.93	20	WG545081
Residual Range Organics (RRO)	mg/l	0.900	0.913	120.	50-150	1.41	20	WG545081
o-Terphenyl				113.0	50-150			WG545081

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Arsenic, Dissolved	mg/l	1.17	0.0240	1.13	101.	75-125	L524123-20	WG544116
Barium, Dissolved	mg/l	1.22	0.0480	1.13	104.	75-125	L524123-20	WG544116
Cadmium, Dissolved	mg/l	1.21	0	1.13	107.	75-125	L524123-20	WG544116
Chromium, Dissolved	mg/l	1.09	0	1.13	96.5	75-125	L524123-20	WG544116
Lead, Dissolved	mg/l	1.11	0	1.13	98.2	75-125	L524123-20	WG544116
Selenium, Dissolved	mg/l	1.21	0.0530	1.13	102.	75-125	L524123-20	WG544116
Silver, Dissolved	mg/l	1.14	0	1.13	101.	75-125	L524123-20	WG544116
Arsenic, Dissolved	mg/l	1.11	0.0102	1.13	97.3	75-125	L524016-17	WG544204
Barium, Dissolved	mg/l	1.19	0.0395	1.13	102.	75-125	L524016-17	WG544204
Cadmium, Dissolved	mg/l	1.12	0.00160	1.13	99.0	75-125	L524016-17	WG544204
Chromium, Dissolved	mg/l	1.16	0.00110	1.13	102.	75-125	L524016-17	WG544204
Lead, Dissolved	mg/l	1.17	0	1.13	104.	75-125	L524016-17	WG544204
Selenium, Dissolved	mg/l	1.09	0.00980	1.13	95.6	75-125	L524016-17	WG544204
Silver, Dissolved	mg/l	0.505	0.00624	1.13	44.1*	75-125	L524016-17	WG544204
Mercury, Dissolved	mg/l	0.00287	0	.003	95.7	70-130	L524191-01	WG543928
1,1,1,2-Tetrachloroethane	mg/l	0.0245	0	.025	97.9	45-152	L524191-04	WG543960
1,1,1-Trichloroethane	mg/l	0.0275	0	.025	110.	31-161	L524191-04	WG543960
1,1,2,2-Tetrachloroethane	mg/l	0.0255	0	.025	102.	49-149	L524191-04	WG543960
1,1,2-Trichloroethane	mg/l	0.0253	0	.025	101.	46-145	L524191-04	WG543960
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0329	0	.025	132.	14-168	L524191-04	WG543960
1,1-Dichloroethane	mg/l	0.0283	0	.025	113.	30-159	L524191-04	WG543960
1,1-Dichloroethene	mg/l	0.0304	0	.025	121.	10-162	L524191-04	WG543960
1,1-Dichloropropene	mg/l	0.0275	0	.025	110.	14-162	L524191-04	WG543960
1,2,3-Trichlorobenzene	mg/l	0.0249	0	.025	99.8	32-143	L524191-04	WG543960
1,2,3-Trichloropropane	mg/l	0.0253	0	.025	101.	48-148	L524191-04	WG543960
1,2,3-Trimethylbenzene	mg/l	0.0247	0	.025	99.0	36-141	L524191-04	WG543960
1,2,4-Trichlorobenzene	mg/l	0.0270	0	.025	108.	27-142	L524191-04	WG543960
1,2,4-Trimethylbenzene	mg/l	0.0241	0	.025	96.4	29-153	L524191-04	WG543960
1,2-Dibromo-3-Chloropropane	mg/l	0.0226	0	.025	90.6	37-148	L524191-04	WG543960
1,2-Dibromoethane	mg/l	0.0260	0	.025	104.	41-149	L524191-04	WG543960
1,2-Dichlorobenzene	mg/l	0.0248	0	.025	99.3	40-139	L524191-04	WG543960
1,2-Dichloroethane	mg/l	0.0254	0	.025	102.	29-167	L524191-04	WG543960
1,2-Dichloropropane	mg/l	0.0423	0.0160	.025	105.	39-148	L524191-04	WG543960
1,3,5-Trimethylbenzene	mg/l	0.0244	0	.025	97.4	33-149	L524191-04	WG543960
1,3-Dichlorobenzene	mg/l	0.0239	0	.025	95.6	32-148	L524191-04	WG543960
1,3-Dichloropropane	mg/l	0.0253	0	.025	101.	44-142	L524191-04	WG543960
1,4-Dichlorobenzene	mg/l	0.0250	0	.025	100.	32-136	L524191-04	WG543960
2,2-Dichloropropane	mg/l	0.0282	0	.025	113.	14-158	L524191-04	WG543960
2-Butanone (MEK)	mg/l	0.136	0	.125	109.	32-151	L524191-04	WG543960

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Analyte	Units	MS Res	Matrix Spike			Limit	Ref Samp	Batch
			Ref Res	TV	% Rec			
2-Chloroethyl vinyl ether	mg/l	0	0	.125	0	0-175	L524191-04	WG543960
2-Chlorotoluene	mg/l	0.0236	0	.025	94.5	35-147	L524191-04	WG543960
4-Chlorotoluene	mg/l	0.0238	0	.025	95.2	33-147	L524191-04	WG543960
4-Methyl-2-pentanone (MIBK)	mg/l	0.138	0	.125	110.	40-160	L524191-04	WG543960
Acetone	mg/l	0.117	0	.125	93.8	25-157	L524191-04	WG543960
Acrolein	mg/l	0.187	0	.125	150.	0-179	L524191-04	WG543960
Acrylonitrile	mg/l	0.143	0	.125	114.	37-162	L524191-04	WG543960
Benzene	mg/l	0.0282	0	.025	113.	16-158	L524191-04	WG543960
Bromobenzene	mg/l	0.0238	0	.025	95.0	37-147	L524191-04	WG543960
Bromodichloromethane	mg/l	0.0252	0	.025	101.	45-147	L524191-04	WG543960
Bromoform	mg/l	0.0222	0	.025	88.7	38-152	L524191-04	WG543960
Bromomethane	mg/l	0.0234	0	.025	93.8	0-191	L524191-04	WG543960
Carbon tetrachloride	mg/l	0.0274	0	.025	110.	22-168	L524191-04	WG543960
Chlorobenzene	mg/l	0.0241	0	.025	96.3	33-148	L524191-04	WG543960
Chlorodibromomethane	mg/l	0.0247	0	.025	98.7	48-151	L524191-04	WG543960
Chloroethane	mg/l	0.0280	0	.025	112.	4-176	L524191-04	WG543960
Chloroform	mg/l	0.0277	0	.025	111.	37-147	L524191-04	WG543960
Chloromethane	mg/l	0.0251	0	.025	100.	10-174	L524191-04	WG543960
cis-1,2-Dichloroethene	mg/l	0.0283	0	.025	113.	29-156	L524191-04	WG543960
cis-1,3-Dichloropropene	mg/l	0.0261	0	.025	104.	35-148	L524191-04	WG543960
Di-isopropyl ether	mg/l	0.0282	0	.025	113.	39-160	L524191-04	WG543960
Dibromomethane	mg/l	0.0259	0	.025	103.	36-152	L524191-04	WG543960
Dichlorodifluoromethane	mg/l	0.0265	0	.025	106.	0-200	L524191-04	WG543960
Ethylbenzene	mg/l	0.0246	0	.025	98.4	29-150	L524191-04	WG543960
Hexachloro-1,3-butadiene	mg/l	0.0236	0	.025	94.4	28-144	L524191-04	WG543960
Isopropylbenzene	mg/l	0.0262	0	.025	105.	35-147	L524191-04	WG543960
Methyl tert-butyl ether	mg/l	0.0311	0	.025	124.	24-167	L524191-04	WG543960
Methylene Chloride	mg/l	0.0284	0	.025	113.	23-151	L524191-04	WG543960
n-Butylbenzene	mg/l	0.0278	0	.025	111.	22-151	L524191-04	WG543960
n-Propylbenzene	mg/l	0.0252	0	.025	101.	26-150	L524191-04	WG543960
Naphthalene	mg/l	0.0256	0	.025	102.	24-160	L524191-04	WG543960
p-Isopropyltoluene	mg/l	0.0253	0	.025	101.	28-151	L524191-04	WG543960
sec-Butylbenzene	mg/l	0.0249	0	.025	99.6	32-149	L524191-04	WG543960
Styrene	mg/l	0.0187	0	.025	74.8	38-149	L524191-04	WG543960
tert-Butylbenzene	mg/l	0.0237	0	.025	94.9	36-149	L524191-04	WG543960
Tetrachloroethene	mg/l	0.0246	0	.025	98.2	13-157	L524191-04	WG543960
Toluene	mg/l	0.0255	0	.025	102.	22-152	L524191-04	WG543960
trans-1,2-Dichloroethene	mg/l	0.0282	0	.025	113.	11-160	L524191-04	WG543960
trans-1,3-Dichloropropene	mg/l	0.0251	0	.025	100.	33-153	L524191-04	WG543960
Trichloroethene	mg/l	0.0253	0	.025	101.	18-163	L524191-04	WG543960
Trichlorofluoromethane	mg/l	0.0261	0	.025	104.	10-177	L524191-04	WG543960
Vinyl chloride	mg/l	0.0265	0	.025	106.	0-179	L524191-04	WG543960
Xylenes, Total	mg/l	0.0733	0	.075	97.7	27-151	L524191-04	WG543960
4-Bromofluorobenzene					99.24	75-128		WG543960
Dibromofluoromethane					107.6	79-125		WG543960
Toluene-d8					105.5	87-114		WG543960
Gasoline Range Organics-NWTPH	mg/l	5.67	0	5.5	103.	58-122	L524123-16	WG543993
a,a,a-Trifluorotoluene(FID)					95.32	62-128		WG543993
1,1,1,2-Tetrachloroethane	mg/l	0.0286	0	.025	114.	45-152	L524180-14	WG544333
1,1,1-Trichloroethane	mg/l	0.0233	0	.025	93.4	31-161	L524180-14	WG544333
1,1,2,2-Tetrachloroethane	mg/l	0.0354	0	.025	142.	49-149	L524180-14	WG544333
1,1,2-Trichloroethane	mg/l	0.0300	0	.025	120.	46-145	L524180-14	WG544333
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0274	0	.025	110.	14-168	L524180-14	WG544333
1,1-Dichloroethane	mg/l	0.0262	0	.025	105.	30-159	L524180-14	WG544333
1,1-Dichloroethene	mg/l	0.0273	0	.025	109.	10-162	L524180-14	WG544333

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YOUR LAB OF CHOICE

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Quality Assurance Report
 Level II

L524191

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 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

July 13, 2011

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
1,1-Dichloropropene	mg/l	0.0251	0	.025	100.	14-162	L524180-14	WG544333
1,2,3-Trichlorobenzene	mg/l	0.0313	0	.025	125.	32-143	L524180-14	WG544333
1,2,3-Trichloropropane	mg/l	0.0319	0	.025	127.	48-148	L524180-14	WG544333
1,2,3-Trimethylbenzene	mg/l	0.0289	0	.025	116.	36-141	L524180-14	WG544333
1,2,4-Trichlorobenzene	mg/l	0.0324	0	.025	130.	27-142	L524180-14	WG544333
1,2,4-Trimethylbenzene	mg/l	0.0297	0	.025	119.	29-153	L524180-14	WG544333
1,2-Dibromo-3-Chloropropane	mg/l	0.0318	0	.025	127.	37-148	L524180-14	WG544333
1,2-Dibromoethane	mg/l	0.0286	0	.025	114.	41-149	L524180-14	WG544333
1,2-Dichlorobenzene	mg/l	0.0323	0	.025	129.	40-139	L524180-14	WG544333
1,2-Dichloroethane	mg/l	0.0242	0	.025	96.9	29-167	L524180-14	WG544333
1,2-Dichloropropane	mg/l	0.0290	0	.025	116.	39-148	L524180-14	WG544333
1,3,5-Trimethylbenzene	mg/l	0.0288	0	.025	115.	33-149	L524180-14	WG544333
1,3-Dichlorobenzene	mg/l	0.0321	0	.025	128.	32-148	L524180-14	WG544333
1,3-Dichloropropane	mg/l	0.0287	0	.025	115.	44-142	L524180-14	WG544333
1,4-Dichlorobenzene	mg/l	0.0312	0	.025	125.	32-136	L524180-14	WG544333
2,2-Dichloropropane	mg/l	0.0207	0	.025	83.0	14-158	L524180-14	WG544333
2-Butanone (MEK)	mg/l	0.142	0	.125	114.	32-151	L524180-14	WG544333
2-Chloroethyl vinyl ether	mg/l	0.152	0	.125	122.	0-175	L524180-14	WG544333
2-Chlorotoluene	mg/l	0.0290	0	.025	116.	35-147	L524180-14	WG544333
4-Chlorotoluene	mg/l	0.0299	0	.025	119.	33-147	L524180-14	WG544333
4-Methyl-2-pentanone (MIBK)	mg/l	0.159	0	.125	127.	40-160	L524180-14	WG544333
Acetone	mg/l	0.121	0	.125	97.2	25-157	L524180-14	WG544333
Acrolein	mg/l	0.141	0	.125	112.	0-179	L524180-14	WG544333
Acrylonitrile	mg/l	0.144	0	.125	115.	37-162	L524180-14	WG544333
Benzene	mg/l	0.0262	0	.025	105.	16-158	L524180-14	WG544333
Bromobenzene	mg/l	0.0281	0	.025	112.	37-147	L524180-14	WG544333
Bromodichloromethane	mg/l	0.0266	0	.025	106.	45-147	L524180-14	WG544333
Bromoform	mg/l	0.0308	0	.025	123.	38-152	L524180-14	WG544333
Bromomethane	mg/l	0.0293	0	.025	117.	0-191	L524180-14	WG544333
Carbon tetrachloride	mg/l	0.0225	0	.025	90.0	22-168	L524180-14	WG544333
Chlorobenzene	mg/l	0.0293	0	.025	117.	33-148	L524180-14	WG544333
Chlorodibromomethane	mg/l	0.0291	0	.025	116.	48-151	L524180-14	WG544333
Chloroethane	mg/l	0.0275	0	.025	110.	4-176	L524180-14	WG544333
Chloroform	mg/l	0.0248	0	.025	99.0	37-147	L524180-14	WG544333
Chloromethane	mg/l	0.0271	0	.025	108.	10-174	L524180-14	WG544333
cis-1,2-Dichloroethene	mg/l	0.0261	0	.025	104.	29-156	L524180-14	WG544333
cis-1,3-Dichloropropene	mg/l	0.0279	0	.025	112.	35-148	L524180-14	WG544333
Di-isopropyl ether	mg/l	0.0275	0	.025	110.	39-160	L524180-14	WG544333
Dibromomethane	mg/l	0.0270	0	.025	108.	36-152	L524180-14	WG544333
Dichlorodifluoromethane	mg/l	0.0262	0	.025	105.	0-200	L524180-14	WG544333
Ethylbenzene	mg/l	0.0274	0	.025	110.	29-150	L524180-14	WG544333
Hexachloro-1,3-butadiene	mg/l	0.0299	0	.025	120.	28-144	L524180-14	WG544333
Isopropylbenzene	mg/l	0.0275	0	.025	110.	35-147	L524180-14	WG544333
Methyl tert-butyl ether	mg/l	0.0224	0	.025	89.7	24-167	L524180-14	WG544333
Methylene Chloride	mg/l	0.0249	0.00120	.025	94.9	23-151	L524180-14	WG544333
n-Butylbenzene	mg/l	0.0298	0	.025	119.	22-151	L524180-14	WG544333
n-Propylbenzene	mg/l	0.0285	0	.025	114.	26-150	L524180-14	WG544333
Naphthalene	mg/l	0.0315	0	.025	126.	24-160	L524180-14	WG544333
p-Isopropyltoluene	mg/l	0.0299	0	.025	120.	28-151	L524180-14	WG544333
sec-Butylbenzene	mg/l	0.0298	0	.025	119.	32-149	L524180-14	WG544333
Styrene	mg/l	0.0288	0	.025	115.	38-149	L524180-14	WG544333
tert-Butylbenzene	mg/l	0.0307	0	.025	123.	36-149	L524180-14	WG544333
Tetrachloroethene	mg/l	0.0264	0.000890	.025	102.	13-157	L524180-14	WG544333
Toluene	mg/l	0.0264	0	.025	106.	22-152	L524180-14	WG544333
trans-1,2-Dichloroethene	mg/l	0.0251	0	.025	100.	11-160	L524180-14	WG544333
trans-1,3-Dichloropropene	mg/l	0.0286	0	.025	114.	33-153	L524180-14	WG544333
Trichloroethene	mg/l	0.0259	0	.025	104.	18-163	L524180-14	WG544333
Trichlorofluoromethane	mg/l	0.0257	0	.025	103.	10-177	L524180-14	WG544333
Vinyl chloride	mg/l	0.0274	0	.025	110.	0-179	L524180-14	WG544333

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Tax I.D. 62-0814289

Est. 1970

July 13, 2011

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Xylenes, Total	mg/l	0.0819	0	.075	109.	27-151	L524180-14	WG544333
4-Bromofluorobenzene					97.48	75-128		WG544333
Dibromofluoromethane					101.3	79-125		WG544333
Toluene-d8					106.4	87-114		WG544333
Nitrate-Nitrite	mg/l	5.50	0.320	5	104.	80-120	L523970-01	WG544461

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Arsenic, Dissolved	mg/l	1.16	1.17	100.	75-125	0.858	20	L524123-20	WG544116
Barium, Dissolved	mg/l	1.22	1.22	104.	75-125	0	20	L524123-20	WG544116
Cadmium, Dissolved	mg/l	1.20	1.21	106.	75-125	0.830	20	L524123-20	WG544116
Chromium, Dissolved	mg/l	1.12	1.09	99.1	75-125	2.71	20	L524123-20	WG544116
Lead, Dissolved	mg/l	1.11	1.11	98.2	75-125	0	20	L524123-20	WG544116
Selenium, Dissolved	mg/l	1.21	1.21	102.	75-125	0	20	L524123-20	WG544116
Silver, Dissolved	mg/l	1.17	1.14	104.	75-125	2.60	20	L524123-20	WG544116
Arsenic, Dissolved	mg/l	1.12	1.11	98.2	75-125	0.897	20	L524016-17	WG544204
Barium, Dissolved	mg/l	1.16	1.19	99.2	75-125	2.55	20	L524016-17	WG544204
Cadmium, Dissolved	mg/l	1.07	1.12	94.5	75-125	4.57	20	L524016-17	WG544204
Chromium, Dissolved	mg/l	1.18	1.16	104.	75-125	1.71	20	L524016-17	WG544204
Lead, Dissolved	mg/l	1.17	1.17	104.	75-125	0	20	L524016-17	WG544204
Selenium, Dissolved	mg/l	1.09	1.09	95.6	75-125	0	20	L524016-17	WG544204
Silver, Dissolved	mg/l	0.440	0.505	38.4*	75-125	13.8	20	L524016-17	WG544204
Mercury, Dissolved	mg/l	0.00281	0.00287	93.7	70-130	2.11	20	L524191-01	WG543928
1,1,1,2-Tetrachloroethane	mg/l	0.0248	0.0245	99.0	45-152	1.16	21	L524191-04	WG543960
1,1,1-Trichloroethane	mg/l	0.0282	0.0275	113.	31-161	2.64	23	L524191-04	WG543960
1,1,2,2-Tetrachloroethane	mg/l	0.0252	0.0255	101.	49-149	1.13	22	L524191-04	WG543960
1,1,2-Trichloroethane	mg/l	0.0253	0.0253	101.	46-145	0.300	20	L524191-04	WG543960
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0330	0.0329	132.	14-168	0.200	24	L524191-04	WG543960
1,1-Dichloroethane	mg/l	0.0289	0.0283	115.	30-159	1.87	21	L524191-04	WG543960
1,1-Dichloroethene	mg/l	0.0318	0.0304	127.	10-162	4.72	23	L524191-04	WG543960
1,1-Dichloropropene	mg/l	0.0277	0.0275	111.	14-162	0.790	23	L524191-04	WG543960
1,2,3-Trichlorobenzene	mg/l	0.0258	0.0249	103.	32-143	3.43	33	L524191-04	WG543960
1,2,3-Trichloropropane	mg/l	0.0256	0.0253	102.	48-148	1.34	23	L524191-04	WG543960
1,2,3-Trimethylbenzene	mg/l	0.0256	0.0247	102.	36-141	3.24	25	L524191-04	WG543960
1,2,4-Trichlorobenzene	mg/l	0.0278	0.0270	111.	27-142	2.75	30	L524191-04	WG543960
1,2,4-Trimethylbenzene	mg/l	0.0249	0.0241	99.6	29-153	3.34	27	L524191-04	WG543960
1,2-Dibromo-3-Chloropropane	mg/l	0.0218	0.0226	87.2	37-148	3.86	27	L524191-04	WG543960
1,2-Dibromoethane	mg/l	0.0258	0.0260	103.	41-149	0.560	21	L524191-04	WG543960
1,2-Dichlorobenzene	mg/l	0.0252	0.0248	101.	40-139	1.54	23	L524191-04	WG543960
1,2-Dichloroethane	mg/l	0.0260	0.0254	104.	29-167	2.43	21	L524191-04	WG543960
1,2-Dichloropropane	mg/l	0.0438	0.0423	111.	39-148	3.50	20	L524191-04	WG543960
1,3,5-Trimethylbenzene	mg/l	0.0250	0.0244	100.	33-149	2.60	26	L524191-04	WG543960
1,3-Dichlorobenzene	mg/l	0.0246	0.0239	98.5	32-148	3.05	24	L524191-04	WG543960
1,3-Dichloropropane	mg/l	0.0254	0.0253	102.	44-142	0.560	20	L524191-04	WG543960
1,4-Dichlorobenzene	mg/l	0.0256	0.0250	102.	32-136	2.56	23	L524191-04	WG543960
2,2-Dichloropropane	mg/l	0.0287	0.0282	115.	14-158	1.57	23	L524191-04	WG543960
2-Butanone (MEK)	mg/l	0.137	0.136	110.	32-151	1.15	26	L524191-04	WG543960
2-Chloroethyl vinyl ether	mg/l	0.00194	0	1.56	0-175	200.*	75	L524191-04	WG543960
2-Chlorotoluene	mg/l	0.0245	0.0236	98.1	35-147	3.73	24	L524191-04	WG543960
4-Chlorotoluene	mg/l	0.0248	0.0238	99.3	33-147	4.15	25	L524191-04	WG543960

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Est. 1970

July 13, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
4-Methyl-2-pentanone (MIBK)	mg/l	0.140	0.138	112.	40-160	1.89	28	L524191-04	WG543960
Acetone	mg/l	0.115	0.117	91.7	25-157	2.24	26	L524191-04	WG543960
Acrolein	mg/l	0.178	0.187	142.	0-179	4.91	39	L524191-04	WG543960
Acrylonitrile	mg/l	0.144	0.143	115.	37-162	1.19	24	L524191-04	WG543960
Benzene	mg/l	0.0286	0.0282	114.	16-158	1.27	21	L524191-04	WG543960
Bromobenzene	mg/l	0.0243	0.0238	97.2	37-147	2.30	23	L524191-04	WG543960
Bromodichloromethane	mg/l	0.0259	0.0252	103.	45-147	2.75	20	L524191-04	WG543960
Bromoform	mg/l	0.0229	0.0222	91.5	38-152	3.10	20	L524191-04	WG543960
Bromomethane	mg/l	0.0244	0.0234	97.5	0-191	3.94	35	L524191-04	WG543960
Carbon tetrachloride	mg/l	0.0277	0.0274	111.	22-168	0.900	24	L524191-04	WG543960
Chlorobenzene	mg/l	0.0248	0.0241	99.0	33-148	2.74	22	L524191-04	WG543960
Chlorodibromomethane	mg/l	0.0250	0.0247	100.	48-151	1.32	21	L524191-04	WG543960
Chloroethane	mg/l	0.0294	0.0280	118.	4-176	4.83	27	L524191-04	WG543960
Chloroform	mg/l	0.0286	0.0277	114.	37-147	3.26	21	L524191-04	WG543960
Chloromethane	mg/l	0.0259	0.0251	104.	10-174	3.36	28	L524191-04	WG543960
cis-1,2-Dichloroethene	mg/l	0.0286	0.0283	114.	29-156	1.16	22	L524191-04	WG543960
cis-1,3-Dichloropropene	mg/l	0.0268	0.0261	107.	35-148	2.52	21	L524191-04	WG543960
Di-isopropyl ether	mg/l	0.0283	0.0282	113.	39-160	0.450	21	L524191-04	WG543960
Dibromomethane	mg/l	0.0266	0.0259	106.	36-152	2.80	20	L524191-04	WG543960
Dichlorodifluoromethane	mg/l	0.0264	0.0265	105.	0-200	0.680	26	L524191-04	WG543960
Ethylbenzene	mg/l	0.0255	0.0246	102.	29-150	3.46	24	L524191-04	WG543960
Hexachloro-1,3-butadiene	mg/l	0.0248	0.0236	99.2	28-144	4.98	33	L524191-04	WG543960
Isopropylbenzene	mg/l	0.0272	0.0262	109.	35-147	3.56	25	L524191-04	WG543960
Methyl tert-butyl ether	mg/l	0.0308	0.0311	123.	24-167	0.850	22	L524191-04	WG543960
Methylene Chloride	mg/l	0.0283	0.0284	113.	23-151	0.170	21	L524191-04	WG543960
n-Butylbenzene	mg/l	0.0284	0.0278	114.	22-151	2.31	29	L524191-04	WG543960
n-Propylbenzene	mg/l	0.0258	0.0252	103.	26-150	2.00	25	L524191-04	WG543960
Naphthalene	mg/l	0.0271	0.0256	108.	24-160	5.38	37	L524191-04	WG543960
p-Isopropyltoluene	mg/l	0.0263	0.0253	105.	28-151	3.89	27	L524191-04	WG543960
sec-Butylbenzene	mg/l	0.0257	0.0249	103.	32-149	3.32	26	L524191-04	WG543960
Styrene	mg/l	0.0188	0.0187	75.1	38-149	0.410	23	L524191-04	WG543960
tert-Butylbenzene	mg/l	0.0244	0.0237	97.7	36-149	2.87	26	L524191-04	WG543960
Tetrachloroethene	mg/l	0.0248	0.0246	99.3	13-157	1.13	24	L524191-04	WG543960
Toluene	mg/l	0.0265	0.0255	106.	22-152	3.80	22	L524191-04	WG543960
trans-1,2-Dichloroethene	mg/l	0.0284	0.0282	113.	11-160	0.520	23	L524191-04	WG543960
trans-1,3-Dichloropropene	mg/l	0.0257	0.0251	103.	33-153	2.47	22	L524191-04	WG543960
Trichloroethene	mg/l	0.0261	0.0253	104.	18-163	2.97	21	L524191-04	WG543960
Trichlorofluoromethane	mg/l	0.0261	0.0261	104.	10-177	0.0200	24	L524191-04	WG543960
Vinyl chloride	mg/l	0.0267	0.0265	107.	0-179	0.790	26	L524191-04	WG543960
Xylenes, Total	mg/l	0.0743	0.0733	99.1	27-151	1.41	23	L524191-04	WG543960
4-Bromofluorobenzene				98.75	75-128				WG543960
Dibromofluoromethane				106.9	79-125				WG543960
Toluene-d8				106.9	87-114				WG543960
Gasoline Range Organics-NWTPH	mg/l	5.77	5.67	105.	58-122	1.84	20	L524123-16	WG543993
a,a,a-Trifluorotoluene(FID)				95.31	62-128				WG543993
1,1,1,2-Tetrachloroethane	mg/l	0.0263	0.0286	105.	45-152	8.28	21	L524180-14	WG544333
1,1,1-Trichloroethane	mg/l	0.0232	0.0233	92.8	31-161	0.630	23	L524180-14	WG544333
1,1,2,2-Tetrachloroethane	mg/l	0.0342	0.0354	137.	49-149	3.41	22	L524180-14	WG544333
1,1,2-Trichloroethane	mg/l	0.0311	0.0300	124.	46-145	3.82	20	L524180-14	WG544333
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0276	0.0274	110.	14-168	0.720	24	L524180-14	WG544333
1,1-Dichloroethane	mg/l	0.0276	0.0262	110.	30-159	5.16	21	L524180-14	WG544333
1,1-Dichloroethene	mg/l	0.0270	0.0273	108.	10-162	1.25	23	L524180-14	WG544333
1,1-Dichloropropene	mg/l	0.0251	0.0251	100.	14-162	0.120	23	L524180-14	WG544333
1,2,3-Trichlorobenzene	mg/l	0.0327	0.0313	131.	32-143	4.62	33	L524180-14	WG544333
1,2,3-Trichloropropane	mg/l	0.0309	0.0319	123.	48-148	3.14	23	L524180-14	WG544333

* 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
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Quality Assurance Report
 Level II

L524191

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 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

July 13, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
1,2,3-Trimethylbenzene	mg/l	0.0283	0.0289	113.	36-141	2.26	25	L524180-14	WG544333
1,2,4-Trichlorobenzene	mg/l	0.0332	0.0324	133.	27-142	2.37	30	L524180-14	WG544333
1,2,4-Trimethylbenzene	mg/l	0.0278	0.0297	111.	29-153	6.87	27	L524180-14	WG544333
1,2-Dibromo-3-Chloropropane	mg/l	0.0320	0.0318	128.	37-148	0.510	27	L524180-14	WG544333
1,2-Dibromoethane	mg/l	0.0288	0.0286	115.	41-149	0.630	21	L524180-14	WG544333
1,2-Dichlorobenzene	mg/l	0.0314	0.0323	126.	40-139	2.92	23	L524180-14	WG544333
1,2-Dichloroethane	mg/l	0.0248	0.0242	99.2	29-167	2.28	21	L524180-14	WG544333
1,2-Dichloropropane	mg/l	0.0281	0.0290	112.	39-148	3.08	20	L524180-14	WG544333
1,3,5-Trimethylbenzene	mg/l	0.0276	0.0288	110.	33-149	4.15	26	L524180-14	WG544333
1,3-Dichlorobenzene	mg/l	0.0306	0.0321	122.	32-148	4.92	24	L524180-14	WG544333
1,3-Dichloropropane	mg/l	0.0284	0.0287	114.	44-142	0.970	20	L524180-14	WG544333
1,4-Dichlorobenzene	mg/l	0.0305	0.0312	122.	32-136	2.50	23	L524180-14	WG544333
2,2-Dichloropropane	mg/l	0.0212	0.0207	84.8	14-158	2.19	23	L524180-14	WG544333
2-Butanone (MEK)	mg/l	0.145	0.142	116.	32-151	1.76	26	L524180-14	WG544333
2-Chloroethyl vinyl ether	mg/l	0.0848	0.152	67.9	0-175	56.7	75	L524180-14	WG544333
2-Chlorotoluene	mg/l	0.0277	0.0290	111.	35-147	4.69	24	L524180-14	WG544333
4-Chlorotoluene	mg/l	0.0286	0.0299	114.	33-147	4.43	25	L524180-14	WG544333
4-Methyl-2-pentanone (MIBK)	mg/l	0.163	0.159	130.	40-160	2.49	28	L524180-14	WG544333
Acetone	mg/l	0.132	0.121	106.	25-157	8.49	26	L524180-14	WG544333
Acrolein	mg/l	0.144	0.141	115.	0-179	2.14	39	L524180-14	WG544333
Acrylonitrile	mg/l	0.154	0.144	123.	37-162	6.82	24	L524180-14	WG544333
Benzene	mg/l	0.0263	0.0262	105.	16-158	0.450	21	L524180-14	WG544333
Bromobenzene	mg/l	0.0278	0.0281	111.	37-147	0.880	23	L524180-14	WG544333
Bromodichloromethane	mg/l	0.0261	0.0266	104.	45-147	1.61	20	L524180-14	WG544333
Bromoform	mg/l	0.0294	0.0308	118.	38-152	4.76	20	L524180-14	WG544333
Bromomethane	mg/l	0.0297	0.0293	119.	0-191	1.28	35	L524180-14	WG544333
Carbon tetrachloride	mg/l	0.0220	0.0225	87.9	22-168	2.37	24	L524180-14	WG544333
Chlorobenzene	mg/l	0.0281	0.0293	112.	33-148	4.26	22	L524180-14	WG544333
Chlorodibromomethane	mg/l	0.0284	0.0291	114.	48-151	2.38	21	L524180-14	WG544333
Chloroethane	mg/l	0.0272	0.0275	109.	4-176	1.14	27	L524180-14	WG544333
Chloroform	mg/l	0.0251	0.0248	100.	37-147	1.42	21	L524180-14	WG544333
Chloromethane	mg/l	0.0253	0.0271	101.	10-174	7.16	28	L524180-14	WG544333
cis-1,2-Dichloroethene	mg/l	0.0265	0.0261	106.	29-156	1.38	22	L524180-14	WG544333
cis-1,3-Dichloropropene	mg/l	0.0274	0.0279	109.	35-148	2.06	21	L524180-14	WG544333
Di-isopropyl ether	mg/l	0.0294	0.0275	118.	39-160	6.65	21	L524180-14	WG544333
Dibromomethane	mg/l	0.0268	0.0270	107.	36-152	0.570	20	L524180-14	WG544333
Dichlorodifluoromethane	mg/l	0.0249	0.0262	99.5	0-200	5.31	26	L524180-14	WG544333
Ethylbenzene	mg/l	0.0265	0.0274	106.	29-150	3.48	24	L524180-14	WG544333
Hexachloro-1,3-butadiene	mg/l	0.0309	0.0299	124.	28-144	3.22	33	L524180-14	WG544333
Isopropylbenzene	mg/l	0.0268	0.0275	107.	35-147	2.55	25	L524180-14	WG544333
Methyl tert-butyl ether	mg/l	0.0244	0.0224	97.4	24-167	8.19	22	L524180-14	WG544333
Methylene Chloride	mg/l	0.0262	0.0249	99.8	23-151	4.82	21	L524180-14	WG544333
n-Butylbenzene	mg/l	0.0295	0.0298	118.	22-151	1.01	29	L524180-14	WG544333
n-Propylbenzene	mg/l	0.0278	0.0285	111.	26-150	2.38	25	L524180-14	WG544333
Naphthalene	mg/l	0.0326	0.0315	130.	24-160	3.57	37	L524180-14	WG544333
p-Isopropyltoluene	mg/l	0.0284	0.0299	114.	28-151	5.12	27	L524180-14	WG544333
sec-Butylbenzene	mg/l	0.0280	0.0298	112.	32-149	6.54	26	L524180-14	WG544333
Styrene	mg/l	0.0281	0.0288	112.	38-149	2.43	23	L524180-14	WG544333
tert-Butylbenzene	mg/l	0.0285	0.0307	114.	36-149	7.66	26	L524180-14	WG544333
Tetrachloroethene	mg/l	0.0267	0.0264	103.	13-157	1.01	24	L524180-14	WG544333
Toluene	mg/l	0.0267	0.0264	107.	22-152	1.27	22	L524180-14	WG544333
trans-1,2-Dichloroethene	mg/l	0.0260	0.0251	104.	11-160	3.56	23	L524180-14	WG544333
trans-1,3-Dichloropropene	mg/l	0.0300	0.0286	120.	33-153	4.67	22	L524180-14	WG544333
Trichloroethene	mg/l	0.0258	0.0259	103.	18-163	0.480	21	L524180-14	WG544333
Trichlorofluoromethane	mg/l	0.0254	0.0257	101.	10-177	1.15	24	L524180-14	WG544333
Vinyl chloride	mg/l	0.0260	0.0274	104.	0-179	5.12	26	L524180-14	WG544333
Xylenes, Total	mg/l	0.0792	0.0819	106.	27-151	3.37	23	L524180-14	WG544333
4-Bromofluorobenzene				94.53	75-128				WG544333
Dibromofluoromethane				99.39	79-125				WG544333

* Performance of this Analyte is outside of established criteria.

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



YOUR LAB OF CHOICE

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Quality Assurance Report
 Level II

L524191

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Est. 1970

July 13, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Toluene-d8				103.3	87-114				
Nitrate-Nitrite	mg/l	5.48	5.50	103.	80-120	0.364	20	L523970-01	WG544461

Batch number /Run number / Sample number cross reference

WG544116: R1750478: L524191-01 02 03
 WG544204: R1750692: L524191-04 05 06
 WG543928: R1750831: L524191-01 02 03 04 05 06
 WG543960: R1750934: L524191-04 05 06 07
 WG544015: R1750972: L524191-01 02 03 04 05 06
 WG543993: R1751189: L524191-01 02 03 04 05 06
 WG544333: R1751430: L524191-01 02 03
 WG544098: R1751872: L524191-01 02 03 04 05 06
 WG544461: R1752109: L524191-01 02 03 04 05 06
 WG544523: R1756610: L524191-01 02 03 04 05 06
 WG545081: R1758870: L524191-01 02 03 04 05 06

* * 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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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.



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Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Report Summary

Wednesday September 28, 2011

Report Number: L536774

Samples Received: 09/17/11

Client Project: 97156

Description: Simplot - Sunnyside

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:

Jared Willis, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-1
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 08:00

ESC Sample # : L536774-01
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.49	0.10	mg/l	350.1	09/23/11	1
Nitrate-Nitrite	6.4	0.10	mg/l	353.2	09/23/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	09/20/11	1
Arsenic, Dissolved	0.038	0.020	mg/l	6010B	09/23/11	1
Barium, Dissolved	0.053	0.0050	mg/l	6010B	09/23/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	09/23/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	09/19/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	99.5		% Rec.	NWTPHGX	09/19/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	09/18/11	1
Acrolein	BDL	0.050	mg/l	8260B	09/18/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	09/18/11	1
Benzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromoform	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	09/18/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	09/18/11	1
Chloroform	BDL	0.0050	mg/l	8260B	09/18/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	09/18/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-1
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 08:00

ESC Sample # : L536774-01
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	09/18/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	96.8		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-1
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 08:00

ESC Sample # : L536774-01
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	98.7		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	102.		% Rec.	8260B	09/18/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	09/22/11	1
Residual Range Organics (RRO)	0.44	0.25	mg/l	NWTPHDX	09/22/11	1
Surrogate Recovery						
o-Terphenyl	72.7		% Rec.	NWTPHDX	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Surrogate Recovery						
Nitrobenzene-d5	105.		% Rec.	8270C-SIM	09/21/11	1
2-Fluorobiphenyl	82.6		% Rec.	8270C-SIM	09/21/11	1
p-Terphenyl-d14	87.0		% Rec.	8270C-SIM	09/21/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/22/11	1
Dalapon	BDL	0.20	mg/l	8151	09/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	09/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	09/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	09/22/11	1
MCPA	BDL	0.10	mg/l	8151	09/22/11	1
MCPP	BDL	0.10	mg/l	8151	09/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : MW-1
Collected By : Dale Reynolds
Collection Date : 09/15/11 08:00

ESC Sample # : L536774-01

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	66.5		% Rec.	8151	09/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-2
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 10:00

ESC Sample # : L536774-02
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.22	0.10	mg/l	350.1	09/23/11	1
Nitrate-Nitrite	6.2	0.10	mg/l	353.2	09/23/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	09/20/11	1
Arsenic, Dissolved	0.11	0.020	mg/l	6010B	09/23/11	1
Barium, Dissolved	0.049	0.0050	mg/l	6010B	09/23/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	09/23/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	09/19/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	99.2		% Rec.	NWTPHGX	09/19/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	09/18/11	1
Acrolein	BDL	0.050	mg/l	8260B	09/18/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	09/18/11	1
Benzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromoform	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	09/18/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	09/18/11	1
Chloroform	BDL	0.0050	mg/l	8260B	09/18/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	09/18/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-2

Collected By : Dale Reynolds
 Collection Date : 09/15/11 10:00

ESC Sample # : L536774-02

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	09/18/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-2
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 10:00

ESC Sample # : L536774-02
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	98.9		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	09/18/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	09/22/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	09/22/11	1
Surrogate Recovery o-Terphenyl	84.9		% Rec.	NWTPHDX	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Surrogate Recovery Nitrobenzene-d5	108.		% Rec.	8270C-SIM	09/21/11	1
2-Fluorobiphenyl	89.3		% Rec.	8270C-SIM	09/21/11	1
p-Terphenyl-d14	90.2		% Rec.	8270C-SIM	09/21/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/22/11	1
Dalapon	BDL	0.20	mg/l	8151	09/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	09/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	09/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	09/22/11	1
MCPA	BDL	0.10	mg/l	8151	09/22/11	1
MCPP	BDL	0.10	mg/l	8151	09/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : MW-2
Collected By : Dale Reynolds
Collection Date : 09/15/11 10:00

ESC Sample # : L536774-02
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	69.6		% Rec.	8151	09/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-3
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 12:00

ESC Sample # : L536774-03
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	09/23/11	1
Nitrate-Nitrite	11.	0.20	mg/l	353.2	09/23/11	2
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	09/20/11	1
Arsenic, Dissolved	0.038	0.020	mg/l	6010B	09/23/11	1
Barium, Dissolved	0.046	0.0050	mg/l	6010B	09/23/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	09/23/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	09/19/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	97.0		% Rec.	NWTPHGX	09/19/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	09/18/11	1
Acrolein	BDL	0.050	mg/l	8260B	09/18/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	09/18/11	1
Benzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromoform	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	09/18/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	09/18/11	1
Chloroform	BDL	0.0050	mg/l	8260B	09/18/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	09/18/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L536774-03

Date Received : September 17, 2011
Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-3

Project # : 97156

Collected By : Dale Reynolds
Collection Date : 09/15/11 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	09/18/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	97.5		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-3
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 12:00

ESC Sample # : L536774-03
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	100.		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	101.		% Rec.	8260B	09/18/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	09/22/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	09/22/11	1
Surrogate Recovery o-Terphenyl	79.6		% Rec.	NWTPHDX	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Surrogate Recovery Nitrobenzene-d5	107.		% Rec.	8270C-SIM	09/21/11	1
2-Fluorobiphenyl	83.8		% Rec.	8270C-SIM	09/21/11	1
p-Terphenyl-d14	90.7		% Rec.	8270C-SIM	09/21/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/22/11	1
Dalapon	BDL	0.20	mg/l	8151	09/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	09/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	09/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	09/22/11	1
MCPA	BDL	0.10	mg/l	8151	09/22/11	1
MCPP	BDL	0.10	mg/l	8151	09/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : MW-3
Collected By : Dale Reynolds
Collection Date : 09/15/11 12:00

ESC Sample # : L536774-03
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	78.5		% Rec.	8151	09/22/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 09/28/11 15:39 Printed: 09/28/11 15:40



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L536774-04

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-4

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 09/15/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.11	0.10	mg/l	350.1	09/23/11	1
Nitrate-Nitrite	8.4	0.10	mg/l	353.2	09/23/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	09/20/11	1
Arsenic, Dissolved	0.028	0.020	mg/l	6010B	09/23/11	1
Barium, Dissolved	0.11	0.0050	mg/l	6010B	09/23/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	09/23/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Lead, Dissolved	0.0062	0.0050	mg/l	6010B	09/23/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	09/23/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	09/23/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	09/19/11	1
Surrogate Recovery						
a,a,a-Trifluorotoluene(FID)	98.2		% Rec.	NWTPHGX	09/19/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	09/18/11	1
Acrolein	BDL	0.050	mg/l	8260B	09/18/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	09/18/11	1
Benzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromoform	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	09/18/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	09/18/11	1
Chloroform	BDL	0.0050	mg/l	8260B	09/18/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	09/18/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L536774-04

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-4

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 09/15/11 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloropropane	0.0056	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	09/18/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-4
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 14:00

ESC Sample # : L536774-04
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	98.5		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	102.		% Rec.	8260B	09/18/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	09/22/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	09/22/11	1
Surrogate Recovery o-Terphenyl	76.8		% Rec.	NWTPHDX	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Surrogate Recovery Nitrobenzene-d5	107.		% Rec.	8270C-SIM	09/21/11	1
2-Fluorobiphenyl	84.9		% Rec.	8270C-SIM	09/21/11	1
p-Terphenyl-d14	89.6		% Rec.	8270C-SIM	09/21/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/22/11	1
Dalapon	BDL	0.20	mg/l	8151	09/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	09/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	09/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	09/22/11	1
MCPA	BDL	0.10	mg/l	8151	09/22/11	1
MCPP	BDL	0.10	mg/l	8151	09/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : MW-4
Collected By : Dale Reynolds
Collection Date : 09/15/11 14:00

ESC Sample # : L536774-04
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	70.5		% Rec.	8151	09/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-5

Collected By : Dale Reynolds
 Collection Date : 09/15/11 16:00

ESC Sample # : L536774-05

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	850	5.0	mg/l	350.1	09/23/11	50
Nitrate-Nitrite	310	4.0	mg/l	353.2	09/23/11	40
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	09/20/11	1
Arsenic, Dissolved	0.16	0.020	mg/l	6010B	09/24/11	1
Barium, Dissolved	0.038	0.0050	mg/l	6010B	09/26/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	09/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	09/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	09/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	09/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	09/24/11	1
Gasoline Range Organics-NWTPH	0.86	0.10	mg/l	NWTPHGX	09/19/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	100.		% Rec.	NWTPHGX	09/19/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	09/18/11	1
Acrolein	BDL	0.050	mg/l	8260B	09/18/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	09/18/11	1
Benzene	0.077	0.0010	mg/l	8260B	09/18/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromoform	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorobenzene	0.0035	0.0010	mg/l	8260B	09/18/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	09/18/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	09/18/11	1
Chloroform	BDL	0.0050	mg/l	8260B	09/18/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	09/18/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L536774-05

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-5

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 09/15/11 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloroethane	0.082	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloropropane	0.0052	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Ethylbenzene	0.0011	0.0010	mg/l	8260B	09/18/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	09/18/11	1
Isopropylbenzene	0.0024	0.0010	mg/l	8260B	09/18/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	0.017	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	0.0050	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	0.048	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	0.012	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	0.015	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	0.14	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	97.0		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-5
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 16:00

ESC Sample # : L536774-05
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	101.		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	09/18/11	1
Diesel Range Organics (DRO)	0.61	0.10	mg/l	NWTPHDX	09/22/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	09/22/11	1
Surrogate Recovery						
o-Terphenyl	99.3		% Rec.	NWTPHDX	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Naphthalene	0.014	0.00025	mg/l	8270C-SIM	09/21/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
1-Methylnaphthalene	0.0026	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Methylnaphthalene	0.0034	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Surrogate Recovery						
Nitrobenzene-d5	110.		% Rec.	8270C-SIM	09/21/11	1
2-Fluorobiphenyl	84.0		% Rec.	8270C-SIM	09/21/11	1
p-Terphenyl-d14	83.3		% Rec.	8270C-SIM	09/21/11	1
Herbicides						
2,4-D	0.030	0.0080	mg/l	8151	09/23/11	4
Dalapon	BDL	0.20	mg/l	8151	09/23/11	1
2,4-DB	BDL	0.0020	mg/l	8151	09/23/11	1
Dicamba	0.0091	0.0080	mg/l	8151	09/23/11	4
Dichloroprop	BDL	0.0020	mg/l	8151	09/23/11	1
Dinoseb	0.0098	0.0020	mg/l	8151	09/23/11	1
MCPA	BDL	0.10	mg/l	8151	09/23/11	1
MCPP	BDL	0.10	mg/l	8151	09/23/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/23/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/23/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : MW-5
Collected By : Dale Reynolds
Collection Date : 09/15/11 16:00

ESC Sample # : L536774-05
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	81.8		% Rec.	8151	09/23/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-6

Collected By : Dale Reynolds
 Collection Date : 09/15/11 18:00

ESC Sample # : L536774-06

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	740	5.0	mg/l	350.1	09/23/11	50
Nitrate-Nitrite	260	4.0	mg/l	353.2	09/23/11	40
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	09/20/11	1
Arsenic, Dissolved	0.18	0.020	mg/l	6010B	09/24/11	1
Barium, Dissolved	0.046	0.0050	mg/l	6010B	09/26/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	09/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	09/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	09/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	09/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	09/24/11	1
Gasoline Range Organics-NWTPH	0.84	0.10	mg/l	NWTPHGX	09/19/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	100.		% Rec.	NWTPHGX	09/19/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	09/18/11	1
Acrolein	BDL	0.050	mg/l	8260B	09/18/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	09/18/11	1
Benzene	0.084	0.0010	mg/l	8260B	09/18/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromoform	BDL	0.0010	mg/l	8260B	09/18/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Chlorobenzene	0.0042	0.0010	mg/l	8260B	09/18/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	09/18/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	09/18/11	1
Chloroform	BDL	0.0050	mg/l	8260B	09/18/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	09/18/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L536774-06

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-6

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 09/15/11 18:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloroethane	0.087	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2-Dichloropropane	0.0057	0.0010	mg/l	8260B	09/18/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	09/18/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	09/18/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Ethylbenzene	0.0012	0.0010	mg/l	8260B	09/18/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	09/18/11	1
Isopropylbenzene	0.0028	0.0010	mg/l	8260B	09/18/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	09/18/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	0.018	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	0.0056	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	0.053	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	0.014	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	0.017	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	0.15	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	94.9		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-6
 Collected By : Dale Reynolds
 Collection Date : 09/15/11 18:00

ESC Sample # : L536774-06
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	102.		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	09/18/11	1
Diesel Range Organics (DRO)	0.88	0.10	mg/l	NWTPHDX	09/22/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	09/22/11	1
Surrogate Recovery						
o-Terphenyl	140.		% Rec.	NWTPHDX	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Naphthalene	0.014	0.00025	mg/l	8270C-SIM	09/21/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	09/21/11	1
1-Methylnaphthalene	0.0025	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Methylnaphthalene	0.0032	0.00025	mg/l	8270C-SIM	09/21/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	09/21/11	1
Surrogate Recovery						
Nitrobenzene-d5	112.		% Rec.	8270C-SIM	09/21/11	1
2-Fluorobiphenyl	82.0		% Rec.	8270C-SIM	09/21/11	1
p-Terphenyl-d14	74.0		% Rec.	8270C-SIM	09/21/11	1
Herbicides						
2,4-D	0.022	0.010	mg/l	8151	09/27/11	5
Dalapon	BDL	0.20	mg/l	8151	09/27/11	1
2,4-DB	BDL	0.0020	mg/l	8151	09/27/11	1
Dicamba	0.0085	0.0020	mg/l	8151	09/27/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/27/11	1
Dinoseb	0.010	0.010	mg/l	8151	09/27/11	5
MCPA	BDL	0.10	mg/l	8151	09/27/11	1
MCPP	BDL	0.10	mg/l	8151	09/27/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/27/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/27/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : MW-6
Collected By : Dale Reynolds
Collection Date : 09/15/11 18:00

ESC Sample # : L536774-06

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	106.		% Rec.	8151	09/27/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/28/11 15:39 Printed: 09/28/11 15:40



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : September 17, 2011
Description : Simplot - Sunnyside
Sample ID : TRIP BLANK
Collected By : Dale Reynolds
Collection Date : 09/15/11 00:00

ESC Sample # : L536774-07
Site ID :
Project # : 97156

Table with 7 columns: Parameter, Result, Det. Limit, Units, Method, Date, Dil. Rows include Volatile Organics, Acetone, Acrolein, Acrylonitrile, Benzene, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chlorodibromomethane, Chloroethane, 2-Chloroethyl vinyl ether, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,1-Dichloropropene, 1,3-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 2,2-Dichloropropane, Di-isopropyl ether, Ethylbenzene, Hexachloro-1,3-butadiene, Isopropylbenzene, p-Isopropyltoluene.

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

September 28, 2011

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : September 17, 2011
 Description : Simplot - Sunnyside

Sample ID : TRIP BLANK

Collected By : Dale Reynolds
 Collection Date : 09/15/11 00:00

ESC Sample # : L536774-07

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	09/18/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	09/18/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	09/18/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	09/18/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Styrene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	09/18/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Toluene	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	09/18/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	09/18/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	09/18/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	09/18/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	09/18/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	09/18/11	1
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	09/18/11	1
Dibromofluoromethane	99.3		% Rec.	8260B	09/18/11	1
4-Bromofluorobenzene	104.		% Rec.	8260B	09/18/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L536774-01	WG556244	SAMP	Residual Range Organics (RRO)	R1867756	J3
L536774-02	WG556244	SAMP	Residual Range Organics (RRO)	R1867756	J3
L536774-03	WG556244	SAMP	Residual Range Organics (RRO)	R1867756	J3
L536774-04	WG556597	SAMP	Ammonia Nitrogen	R1869952	P1
	WG556285	SAMP	Lead, Dissolved	R1870476	P1
	WG556285	SAMP	Silver, Dissolved	R1870476	J6
	WG556244	SAMP	Residual Range Organics (RRO)	R1867756	J3
L536774-05	WG556244	SAMP	Residual Range Organics (RRO)	R1867756	J3
	WG555827	SAMP	Naphthalene	R1866673	E
L536774-06	WG556244	SAMP	Residual Range Organics (RRO)	R1867756	J3
	WG555827	SAMP	Naphthalene	R1866673	E

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
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
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 Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography 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
09/28/11 at 15:40:25

TSR Signing Reports: 358
R5 - Desired TAT

Sample: L536774-01 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39
Diss metals field-filtered. preserved in Login at 1830 on 9/17
Sample: L536774-02 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39
Diss metals field-filtered. preserved in Login at 1830 on 9/17
Sample: L536774-03 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39
Diss metals field-filtered. preserved in Login at 1830 on 9/17
Sample: L536774-04 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39
Diss metals field-filtered. preserved in Login at 1830 on 9/17
Sample: L536774-05 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39
Diss metals field-filtered. preserved in Login at 1830 on 9/17
Sample: L536774-06 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39
Diss metals field-filtered. preserved in Login at 1830 on 9/17
Sample: L536774-07 Account: HDRBID Received: 09/17/11 09:00 Due Date: 09/23/11 00:00 RPT Date: 09/28/11 15:39



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HDR - Boise, ID
 Mike Murray
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Quality Assurance Report
 Level II

L536774

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Tax I.D. 62-0814289

Est. 1970

September 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Gasoline Range Organics-NWTPH	< .1	mg/l			WG555826	09/18/11 23:32
a,a,a-Trifluorotoluene(FID)		% Rec.	99.11	62-128	WG555826	09/18/11 23:32
Gasoline Range Organics-NWTPH	< .1	mg/l			WG555824	09/19/11 15:24
a,a,a-Trifluorotoluene(FID)		% Rec.	100.5	62-128	WG555824	09/19/11 15:24
Mercury, Dissolved	< .0002	mg/l			WG555866	09/20/11 12:22
1-Methylnaphthalene	< .00025	mg/l			WG555827	09/20/11 18:19
2-Chloronaphthalene	< .00025	mg/l			WG555827	09/20/11 18:19
2-Methylnaphthalene	< .00025	mg/l			WG555827	09/20/11 18:19
Acenaphthene	< .00005	mg/l			WG555827	09/20/11 18:19
Acenaphthylene	< .00005	mg/l			WG555827	09/20/11 18:19
Anthracene	< .00005	mg/l			WG555827	09/20/11 18:19
Benzo(a)anthracene	< .00005	mg/l			WG555827	09/20/11 18:19
Benzo(a)pyrene	< .00005	mg/l			WG555827	09/20/11 18:19
Benzo(b)fluoranthene	< .00005	mg/l			WG555827	09/20/11 18:19
Benzo(g,h,i)perylene	< .00005	mg/l			WG555827	09/20/11 18:19
Benzo(k)fluoranthene	< .00005	mg/l			WG555827	09/20/11 18:19
Chrysene	< .00005	mg/l			WG555827	09/20/11 18:19
Dibenz(a,h)anthracene	< .00005	mg/l			WG555827	09/20/11 18:19
Fluoranthene	< .00005	mg/l			WG555827	09/20/11 18:19
Fluorene	< .00005	mg/l			WG555827	09/20/11 18:19
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG555827	09/20/11 18:19
Naphthalene	< .00025	mg/l			WG555827	09/20/11 18:19
Phenanthrene	< .00005	mg/l			WG555827	09/20/11 18:19
Pyrene	< .00005	mg/l			WG555827	09/20/11 18:19
2-Fluorobiphenyl		% Rec.	93.16	70-130	WG555827	09/20/11 18:19
Nitrobenzene-d5		% Rec.	97.17	70-130	WG555827	09/20/11 18:19
p-Terphenyl-d14		% Rec.	96.46	70-130	WG555827	09/20/11 18:19
Diesel Range Organics (DRO)	< .1	ppm			WG556244	09/22/11 04:03
Residual Range Organics (RRO)	< .25	ppm			WG556244	09/22/11 04:03
o-Terphenyl		% Rec.	76.52	50-150	WG556244	09/22/11 04:03
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,1,1-Trichloroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,1,2-Trichloroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,1-Dichloroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,1-Dichloroethene	< .001	mg/l			WG555747	09/18/11 05:57
1,1-Dichloropropene	< .001	mg/l			WG555747	09/18/11 05:57
1,2,3-Trichlorobenzene	< .001	mg/l			WG555747	09/18/11 05:57
1,2,3-Trichloropropane	< .001	mg/l			WG555747	09/18/11 05:57
1,2,3-Trimethylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
1,2,4-Trichlorobenzene	< .001	mg/l			WG555747	09/18/11 05:57
1,2,4-Trimethylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG555747	09/18/11 05:57
1,2-Dibromoethane	< .001	mg/l			WG555747	09/18/11 05:57
1,2-Dichlorobenzene	< .001	mg/l			WG555747	09/18/11 05:57
1,2-Dichloroethane	< .001	mg/l			WG555747	09/18/11 05:57
1,2-Dichloropropane	< .001	mg/l			WG555747	09/18/11 05:57
1,3,5-Trimethylbenzene	< .001	mg/l			WG555747	09/18/11 05:57

* 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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September 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
1,3-Dichlorobenzene	< .001	mg/l			WG555747	09/18/11 05:57
1,3-Dichloropropane	< .001	mg/l			WG555747	09/18/11 05:57
1,4-Dichlorobenzene	< .001	mg/l			WG555747	09/18/11 05:57
2,2-Dichloropropane	< .001	mg/l			WG555747	09/18/11 05:57
2-Butanone (MEK)	< .01	mg/l			WG555747	09/18/11 05:57
2-Chloroethyl vinyl ether	< .05	mg/l			WG555747	09/18/11 05:57
2-Chlorotoluene	< .001	mg/l			WG555747	09/18/11 05:57
4-Chlorotoluene	< .001	mg/l			WG555747	09/18/11 05:57
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG555747	09/18/11 05:57
Acetone	< .05	mg/l			WG555747	09/18/11 05:57
Acrolein	< .025	mg/l			WG555747	09/18/11 05:57
Acrylonitrile	< .01	mg/l			WG555747	09/18/11 05:57
Benzene	< .001	mg/l			WG555747	09/18/11 05:57
Bromobenzene	< .001	mg/l			WG555747	09/18/11 05:57
Bromodichloromethane	< .001	mg/l			WG555747	09/18/11 05:57
Bromoform	< .001	mg/l			WG555747	09/18/11 05:57
Bromomethane	< .005	mg/l			WG555747	09/18/11 05:57
Carbon tetrachloride	< .001	mg/l			WG555747	09/18/11 05:57
Chlorobenzene	< .001	mg/l			WG555747	09/18/11 05:57
Chlorodibromomethane	< .001	mg/l			WG555747	09/18/11 05:57
Chloroethane	< .005	mg/l			WG555747	09/18/11 05:57
Chloroform	< .005	mg/l			WG555747	09/18/11 05:57
Chloromethane	< .0025	mg/l			WG555747	09/18/11 05:57
cis-1,2-Dichloroethene	< .001	mg/l			WG555747	09/18/11 05:57
cis-1,3-Dichloropropene	< .001	mg/l			WG555747	09/18/11 05:57
Di-isopropyl ether	< .001	mg/l			WG555747	09/18/11 05:57
Dibromomethane	< .001	mg/l			WG555747	09/18/11 05:57
Dichlorodifluoromethane	< .005	mg/l			WG555747	09/18/11 05:57
Ethylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
Hexachloro-1,3-butadiene	< .001	mg/l			WG555747	09/18/11 05:57
Isopropylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
Methyl tert-butyl ether	< .001	mg/l			WG555747	09/18/11 05:57
Methylene Chloride	< .005	mg/l			WG555747	09/18/11 05:57
n-Butylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
n-Propylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
Naphthalene	< .005	mg/l			WG555747	09/18/11 05:57
p-Isopropyltoluene	< .001	mg/l			WG555747	09/18/11 05:57
sec-Butylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
Styrene	< .001	mg/l			WG555747	09/18/11 05:57
tert-Butylbenzene	< .001	mg/l			WG555747	09/18/11 05:57
Tetrachloroethene	< .001	mg/l			WG555747	09/18/11 05:57
Toluene	< .005	mg/l			WG555747	09/18/11 05:57
trans-1,2-Dichloroethene	< .001	mg/l			WG555747	09/18/11 05:57
trans-1,3-Dichloropropene	< .001	mg/l			WG555747	09/18/11 05:57
Trichloroethene	< .001	mg/l			WG555747	09/18/11 05:57
Trichlorofluoromethane	< .005	mg/l			WG555747	09/18/11 05:57
Vinyl chloride	< .001	mg/l			WG555747	09/18/11 05:57
Xylenes, Total	< .003	mg/l			WG555747	09/18/11 05:57
4-Bromofluorobenzene		% Rec.	102.9	82-120	WG555747	09/18/11 05:57
Dibromofluoromethane		% Rec.	98.13	82-126	WG555747	09/18/11 05:57
Toluene-d8		% Rec.	96.42	92-112	WG555747	09/18/11 05:57
2,4,5-T	< .002	mg/l			WG556197	09/21/11 23:27
2,4,5-TP (Silvex)	< .002	mg/l			WG556197	09/21/11 23:27
2,4-D	< .002	mg/l			WG556197	09/21/11 23:27
2,4-DB	< .002	mg/l			WG556197	09/21/11 23:27
Dalapon	< .002	mg/l			WG556197	09/21/11 23:27
Dicamba	< .002	mg/l			WG556197	09/21/11 23:27

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Est. 1970

September 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Dichloroprop	< .002	mg/l			WG556197	09/21/11 23:27
Dinoseb	< .002	mg/l			WG556197	09/21/11 23:27
MCPA	< .1	mg/l			WG556197	09/21/11 23:27
MCPP	< .1	mg/l			WG556197	09/21/11 23:27
2,4-Dichlorophenyl Acetic Acid		%	81.63	42-112	WG556197	09/21/11 23:27
Nitrate-Nitrite	< .1	mg/l			WG556791	09/23/11 08:01
Ammonia Nitrogen	< .1	mg/l			WG556597	09/23/11 15:10
Arsenic, Dissolved	< .02	mg/l			WG556285	09/23/11 20:34
Barium, Dissolved	< .005	mg/l			WG556285	09/23/11 20:34
Cadmium, Dissolved	< .005	mg/l			WG556285	09/23/11 20:34
Chromium, Dissolved	< .01	mg/l			WG556285	09/23/11 20:34
Lead, Dissolved	< .005	mg/l			WG556285	09/23/11 20:34
Selenium, Dissolved	< .02	mg/l			WG556285	09/23/11 20:34
Silver, Dissolved	< .01	mg/l			WG556285	09/23/11 20:34
Arsenic, Dissolved	< .02	mg/l			WG556625	09/24/11 11:01
Cadmium, Dissolved	< .005	mg/l			WG556625	09/24/11 11:01
Chromium, Dissolved	< .01	mg/l			WG556625	09/24/11 11:01
Lead, Dissolved	< .005	mg/l			WG556625	09/24/11 11:01
Selenium, Dissolved	< .02	mg/l			WG556625	09/24/11 11:01
Silver, Dissolved	< .01	mg/l			WG556625	09/24/11 11:01
Barium, Dissolved	< .005	mg/l			WG557215	09/26/11 15:28

Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Mercury, Dissolved	mg/l	0	0	0	20	L536522-01	WG555866
Nitrate-Nitrite	mg/l	2.70	2.60	3.40	20	L537533-01	WG556791
Nitrate-Nitrite	mg/l	0.130	0.130	1.53	20	L535917-02	WG556791
Ammonia Nitrogen	mg/l	0.0940	0.110	15.3	20	L536170-01	WG556597
Ammonia Nitrogen	mg/l	0.0870	0.110	23.5*	20	L536774-04	WG556597
Arsenic, Dissolved	mg/l	0.0300	0.0280	8.22	20	L536774-04	WG556285
Barium, Dissolved	mg/l	0.110	0.110	0	20	L536774-04	WG556285
Cadmium, Dissolved	mg/l	0	0	0	20	L536774-04	WG556285
Chromium, Dissolved	mg/l	0	0	0	20	L536774-04	WG556285
Lead, Dissolved	mg/l	0	0.00620	NA	20	L536774-04	WG556285
Selenium, Dissolved	mg/l	0	0	0	20	L536774-04	WG556285
Silver, Dissolved	mg/l	0	0	0	20	L536774-04	WG556285
Arsenic, Dissolved	mg/l	0	0	0	20	L537072-01	WG556625
Cadmium, Dissolved	mg/l	0	0	0	20	L537072-01	WG556625
Chromium, Dissolved	mg/l	0	0	0	20	L537072-01	WG556625
Lead, Dissolved	mg/l	0	0	0	20	L537072-01	WG556625

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Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Selenium, Dissolved	mg/l	0	0.0250	NA	20	L537072-01	WG556625	
Silver, Dissolved	mg/l	0	0	0	20	L537072-01	WG556625	
Barium, Dissolved	mg/l	0.380	0.370	3.97	20	L537440-05	WG557215	

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Gasoline Range Organics-NWTPH a,a,a-Trifluorotoluene(FID)	mg/l	5.5	6.07	110. 109.8	70-124 62-128	WG555826 WG555826
Gasoline Range Organics-NWTPH a,a,a-Trifluorotoluene(FID)	mg/l	5.5	5.46	99.3 106.8	70-124 62-128	WG555824 WG555824
Mercury, Dissolved	mg/l	.003	0.00288	96.0	85-115	WG555866
1-Methylnaphthalene	mg/l	.002	0.00182	91.0	70-130	WG555827
2-Chloronaphthalene	mg/l	.002	0.00174	86.8	70-130	WG555827
2-Methylnaphthalene	mg/l	.002	0.00185	92.6	70-130	WG555827
Acenaphthene	mg/l	.002	0.00180	90.2	70-130	WG555827
Acenaphthylene	mg/l	.002	0.00183	91.7	70-130	WG555827
Anthracene	mg/l	.002	0.00195	97.4	70-130	WG555827
Benzo(a)anthracene	mg/l	.002	0.00209	104.	70-130	WG555827
Benzo(a)pyrene	mg/l	.002	0.00198	98.9	70-130	WG555827
Benzo(b)fluoranthene	mg/l	.002	0.00202	101.	70-130	WG555827
Benzo(g,h,i)perylene	mg/l	.002	0.00192	96.0	70-130	WG555827
Benzo(k)fluoranthene	mg/l	.002	0.00193	96.6	70-130	WG555827
Chrysene	mg/l	.002	0.00191	95.6	70-130	WG555827
Dibenz(a,h)anthracene	mg/l	.002	0.00206	103.	70-130	WG555827
Fluoranthene	mg/l	.002	0.00208	104.	70-130	WG555827
Fluorene	mg/l	.002	0.00192	95.8	70-130	WG555827
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00204	102.	70-130	WG555827
Naphthalene	mg/l	.002	0.00175	87.6	70-130	WG555827
Phenanthrene	mg/l	.002	0.00190	94.8	70-130	WG555827
Pyrene	mg/l	.002	0.00192	95.9	70-130	WG555827
2-Fluorobiphenyl				83.43	70-130	WG555827
Nitrobenzene-d5				86.58	70-130	WG555827
p-Terphenyl-d14				90.41	70-130	WG555827
Diesel Range Organics (DRO)	mg/l	.75	0.634	84.5	50-150	WG556244
Residual Range Organics (RRO)	mg/l	.75	0.596	79.5	50-150	WG556244
o-Terphenyl				62.48	50-150	WG556244
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0290	116.	77-128	WG555747
1,1,1-Trichloroethane	mg/l	.025	0.0252	101.	71-126	WG555747
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0249	99.5	78-130	WG555747
1,1,2-Trichloroethane	mg/l	.025	0.0263	105.	81-121	WG555747
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0259	103.	53-143	WG555747
1,1-Dichloroethane	mg/l	.025	0.0226	90.4	73-123	WG555747
1,1-Dichloroethene	mg/l	.025	0.0243	97.3	54-134	WG555747
1,1-Dichloropropene	mg/l	.025	0.0232	92.7	67-127	WG555747
1,2,3-Trichlorobenzene	mg/l	.025	0.0269	107.	77-130	WG555747
1,2,3-Trichloropropane	mg/l	.025	0.0271	109.	68-130	WG555747

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
1,2,3-Trimethylbenzene	mg/l	.025	0.0248	99.2	70-127	WG555747
1,2,4-Trichlorobenzene	mg/l	.025	0.0274	110.	76-127	WG555747
1,2,4-Trimethylbenzene	mg/l	.025	0.0295	118.	77-129	WG555747
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0230	91.8	55-142	WG555747
1,2-Dibromoethane	mg/l	.025	0.0269	108.	78-124	WG555747
1,2-Dichlorobenzene	mg/l	.025	0.0253	101.	82-121	WG555747
1,2-Dichloroethane	mg/l	.025	0.0233	93.1	69-128	WG555747
1,2-Dichloropropane	mg/l	.025	0.0234	93.6	77-121	WG555747
1,3,5-Trimethylbenzene	mg/l	.025	0.0298	119.	78-127	WG555747
1,3-Dichlorobenzene	mg/l	.025	0.0295	118.	77-127	WG555747
1,3-Dichloropropane	mg/l	.025	0.0247	98.6	78-117	WG555747
1,4-Dichlorobenzene	mg/l	.025	0.0257	103.	79-117	WG555747
2,2-Dichloropropane	mg/l	.025	0.0235	94.1	63-130	WG555747
2-Butanone (MEK)	mg/l	.125	0.105	84.3	58-144	WG555747
2-Chloroethyl vinyl ether	mg/l	.125	0.145	116.	26-172	WG555747
2-Chlorotoluene	mg/l	.025	0.0279	111.	78-123	WG555747
4-Chlorotoluene	mg/l	.025	0.0283	113.	78-122	WG555747
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.119	95.0	58-147	WG555747
Acetone	mg/l	.125	0.107	85.8	49-153	WG555747
Acrolein	mg/l	.125	0.106	84.5	10-181	WG555747
Acrylonitrile	mg/l	.125	0.107	85.6	53-153	WG555747
Benzene	mg/l	.025	0.0216	86.5	72-119	WG555747
Bromobenzene	mg/l	.025	0.0257	103.	76-121	WG555747
Bromodichloromethane	mg/l	.025	0.0250	100.	75-127	WG555747
Bromoform	mg/l	.025	0.0269	108.	61-136	WG555747
Bromomethane	mg/l	.025	0.0320	128.	42-172	WG555747
Carbon tetrachloride	mg/l	.025	0.0240	96.0	63-129	WG555747
Chlorobenzene	mg/l	.025	0.0278	111.	78-123	WG555747
Chlorodibromomethane	mg/l	.025	0.0283	113.	73-128	WG555747
Chloroethane	mg/l	.025	0.0259	103.	52-164	WG555747
Chloroform	mg/l	.025	0.0226	90.3	76-122	WG555747
Chloromethane	mg/l	.025	0.0179	71.6	50-141	WG555747
cis-1,2-Dichloroethene	mg/l	.025	0.0233	93.2	75-121	WG555747
cis-1,3-Dichloropropene	mg/l	.025	0.0245	98.1	74-124	WG555747
Di-isopropyl ether	mg/l	.025	0.0214	85.6	66-129	WG555747
Dibromomethane	mg/l	.025	0.0254	102.	77-124	WG555747
Dichlorodifluoromethane	mg/l	.025	0.0236	94.2	33-173	WG555747
Ethylbenzene	mg/l	.025	0.0284	114.	77-124	WG555747
Hexachloro-1,3-butadiene	mg/l	.025	0.0282	113.	71-134	WG555747
Isopropylbenzene	mg/l	.025	0.0292	117.	74-126	WG555747
Methyl tert-butyl ether	mg/l	.025	0.0228	91.0	67-127	WG555747
Methylene Chloride	mg/l	.025	0.0222	89.0	67-122	WG555747
n-Butylbenzene	mg/l	.025	0.0254	102.	74-130	WG555747
n-Propylbenzene	mg/l	.025	0.0282	113.	77-125	WG555747
Naphthalene	mg/l	.025	0.0255	102.	70-134	WG555747
p-Isopropyltoluene	mg/l	.025	0.0306	122.	77-132	WG555747
sec-Butylbenzene	mg/l	.025	0.0294	118.	77-130	WG555747
Styrene	mg/l	.025	0.0292	117.	69-145	WG555747
tert-Butylbenzene	mg/l	.025	0.0298	119.	76-131	WG555747
Tetrachloroethene	mg/l	.025	0.0302	121.	75-121	WG555747
Toluene	mg/l	.025	0.0250	100.	75-114	WG555747
trans-1,2-Dichloroethene	mg/l	.025	0.0237	94.8	63-127	WG555747
trans-1,3-Dichloropropene	mg/l	.025	0.0249	99.6	69-124	WG555747
Trichloroethene	mg/l	.025	0.0269	107.	69-131	WG555747
Trichlorofluoromethane	mg/l	.025	0.0280	112.	53-161	WG555747
Vinyl chloride	mg/l	.025	0.0206	82.2	55-142	WG555747
Xylenes, Total	mg/l	.075	0.0863	115.	77-123	WG555747
4-Bromofluorobenzene				103.4	82-120	WG555747
Dibromofluoromethane				95.24	82-126	WG555747

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Toluene-d8				99.97	92-112	
2,4,5-T	mg/l	.005	0.00342	68.3	47-120	WG556197
2,4,5-TP (Silvex)	mg/l	.005	0.00393	78.5	46-125	WG556197
2,4-D	mg/l	.005	0.00366	73.2	39-112	WG556197
2,4-DB	mg/l	.005	0.00401	80.1	29-133	WG556197
Dalapon	mg/l	.005	0.00252	50.5	34-97	WG556197
Dicamba	mg/l	.005	0.00396	79.2	47-119	WG556197
Dichloroprop	mg/l	.005	0.00320	63.9	35-110	WG556197
Dinoseb	mg/l	.005	0.00391	78.2	29-111	WG556197
MCPA	mg/l	.5	0.330	65.9	16-189	WG556197
MCPP	mg/l	.5	0.503	101.	16-189	WG556197
2,4-Dichlorophenyl Acetic Acid				80.05	42-112	WG556197
Nitrate-Nitrite	mg/l	5	4.94	98.8	85-115	WG556791
Ammonia Nitrogen	mg/l	7.5	8.19	109.	90-110	WG556597
Arsenic, Dissolved	mg/l	1.13	1.13	100.	85-115	WG556285
Barium, Dissolved	mg/l	1.13	1.17	104.	85-115	WG556285
Cadmium, Dissolved	mg/l	1.13	1.18	104.	85-115	WG556285
Chromium, Dissolved	mg/l	1.13	1.19	105.	85-115	WG556285
Lead, Dissolved	mg/l	1.13	1.20	106.	85-115	WG556285
Selenium, Dissolved	mg/l	1.13	1.09	96.5	85-115	WG556285
Silver, Dissolved	mg/l	1.13	1.15	102.	85-115	WG556285
Arsenic, Dissolved	mg/l	1.13	1.07	94.7	85-115	WG556625
Cadmium, Dissolved	mg/l	1.13	1.11	98.2	85-115	WG556625
Chromium, Dissolved	mg/l	1.13	1.14	101.	85-115	WG556625
Lead, Dissolved	mg/l	1.13	1.14	101.	85-115	WG556625
Selenium, Dissolved	mg/l	1.13	1.04	92.0	85-115	WG556625
Silver, Dissolved	mg/l	1.13	1.09	96.5	85-115	WG556625
Barium, Dissolved	mg/l	1.13	1.15	102.	85-115	WG557215

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Gasoline Range Organics-NWTPH	mg/l	5.75	6.07	104.	70-124	5.41	20	WG555826
a,a,a-Trifluorotoluene(FID)				106.4	62-128			WG555826
Gasoline Range Organics-NWTPH	mg/l	5.96	5.46	108.	70-124	8.61	20	WG555824
a,a,a-Trifluorotoluene(FID)				107.7	62-128			WG555824
1-Methylnaphthalene	mg/l	0.00188	0.00182	94.0	70-130	3.38	25	WG555827
2-Chloronaphthalene	mg/l	0.00178	0.00174	89.0	70-130	2.20	25	WG555827
2-Methylnaphthalene	mg/l	0.00191	0.00185	96.0	70-130	3.21	25	WG555827
Acenaphthene	mg/l	0.00183	0.00180	92.0	70-130	1.63	25	WG555827
Acenaphthylene	mg/l	0.00185	0.00183	92.0	70-130	0.998	25	WG555827
Anthracene	mg/l	0.00196	0.00195	98.0	70-130	0.731	25	WG555827
Benzo(a)anthracene	mg/l	0.00210	0.00209	105.	70-130	0.550	25	WG555827
Benzo(a)pyrene	mg/l	0.00199	0.00198	99.0	70-130	0.564	25	WG555827
Benzo(b)fluoranthene	mg/l	0.00206	0.00202	103.	70-130	1.97	25	WG555827

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YOUR LAB OF CHOICE

HDR - Boise, ID
 Mike Murray
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L536774

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

September 28, 2011

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzo(g,h,i)perylene	mg/l	0.00192	0.00192	96.0	70-130	0.236	25	WG555827
Benzo(k)fluoranthene	mg/l	0.00188	0.00193	94.0	70-130	2.68	25	WG555827
Chrysene	mg/l	0.00195	0.00191	98.0	70-130	2.21	25	WG555827
Dibenz(a,h)anthracene	mg/l	0.00201	0.00206	101.	70-130	2.08	25	WG555827
Fluoranthene	mg/l	0.00206	0.00208	103.	70-130	1.20	25	WG555827
Fluorene	mg/l	0.00195	0.00192	97.0	70-130	1.62	25	WG555827
Indeno(1,2,3-cd)pyrene	mg/l	0.00201	0.00204	100.	70-130	1.40	25	WG555827
Naphthalene	mg/l	0.00181	0.00175	91.0	70-130	3.45	25	WG555827
Phenanthrene	mg/l	0.00195	0.00190	97.0	70-130	2.61	25	WG555827
Pyrene	mg/l	0.00196	0.00192	98.0	70-130	2.08	25	WG555827
2-Fluorobiphenyl				89.87	70-130			WG555827
Nitrobenzene-d5				88.81	70-130			WG555827
p-Terphenyl-d14				91.09	70-130			WG555827
Diesel Range Organics (DRO)	mg/l	0.732	0.634	98.0	50-150	14.3	20	WG556244
Residual Range Organics (RRO)	mg/l	0.745	0.596	99.0	50-150	22.2*	20	WG556244
o-Terphenyl				67.20	50-150			WG556244
1,1,1,2-Tetrachloroethane	mg/l	0.0288	0.0290	115.	77-128	0.650	20	WG555747
1,1,1-Trichloroethane	mg/l	0.0244	0.0252	98.0	71-126	3.02	20	WG555747
1,1,2,2-Tetrachloroethane	mg/l	0.0246	0.0249	98.0	78-130	1.21	20	WG555747
1,1,2-Trichloroethane	mg/l	0.0262	0.0263	105.	81-121	0.140	20	WG555747
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0263	0.0259	105.	53-143	1.61	20	WG555747
1,1-Dichloroethane	mg/l	0.0225	0.0226	90.0	73-123	0.240	20	WG555747
1,1-Dichloroethene	mg/l	0.0244	0.0243	98.0	54-134	0.370	20	WG555747
1,1-Dichloropropene	mg/l	0.0233	0.0232	93.0	67-127	0.500	20	WG555747
1,2,3-Trichlorobenzene	mg/l	0.0268	0.0269	107.	77-130	0.390	20	WG555747
1,2,3-Trichloropropane	mg/l	0.0266	0.0271	106.	68-130	2.20	20	WG555747
1,2,3-Trimethylbenzene	mg/l	0.0250	0.0248	100.	70-127	0.840	20	WG555747
1,2,4-Trichlorobenzene	mg/l	0.0273	0.0274	109.	76-127	0.630	20	WG555747
1,2,4-Trimethylbenzene	mg/l	0.0294	0.0295	118.	77-129	0.240	20	WG555747
1,2-Dibromo-3-Chloropropane	mg/l	0.0217	0.0230	87.0	55-142	5.51	20	WG555747
1,2-Dibromoethane	mg/l	0.0265	0.0269	106.	78-124	1.58	20	WG555747
1,2-Dichlorobenzene	mg/l	0.0252	0.0253	101.	82-121	0.450	20	WG555747
1,2-Dichloroethane	mg/l	0.0232	0.0233	93.0	69-128	0.340	20	WG555747
1,2-Dichloropropane	mg/l	0.0237	0.0234	95.0	77-121	1.11	20	WG555747
1,3,5-Trimethylbenzene	mg/l	0.0296	0.0298	118.	78-127	0.370	20	WG555747
1,3-Dichlorobenzene	mg/l	0.0296	0.0295	118.	77-127	0.420	20	WG555747
1,3-Dichloropropane	mg/l	0.0246	0.0247	98.0	78-117	0.240	20	WG555747
1,4-Dichlorobenzene	mg/l	0.0257	0.0257	103.	79-117	0.190	20	WG555747
2,2-Dichloropropane	mg/l	0.0231	0.0235	92.0	63-130	1.98	20	WG555747
2-Butanone (MEK)	mg/l	0.100	0.105	80.0	58-144	5.04	20	WG555747
2-Chloroethyl vinyl ether	mg/l	0.143	0.145	115.	26-172	1.03	22	WG555747
2-Chlorotoluene	mg/l	0.0287	0.0279	115.	78-123	2.78	20	WG555747
4-Chlorotoluene	mg/l	0.0281	0.0283	112.	78-122	1.00	20	WG555747
4-Methyl-2-pentanone (MIBK)	mg/l	0.114	0.119	91.0	58-147	4.05	20	WG555747
Acetone	mg/l	0.103	0.107	82.0	49-153	4.17	21	WG555747
Acrolein	mg/l	0.130	0.106	104.	10-181	20.7	30	WG555747
Acrylonitrile	mg/l	0.103	0.107	82.0	53-153	3.60	20	WG555747
Benzene	mg/l	0.0215	0.0216	86.0	72-119	0.500	20	WG555747
Bromobenzene	mg/l	0.0260	0.0257	104.	76-121	1.15	20	WG555747
Bromodichloromethane	mg/l	0.0251	0.0250	100.	75-127	0.470	20	WG555747
Bromoform	mg/l	0.0262	0.0269	105.	61-136	2.60	20	WG555747
Bromomethane	mg/l	0.0297	0.0320	119.	42-172	7.24	20	WG555747
Carbon tetrachloride	mg/l	0.0239	0.0240	96.0	63-129	0.480	20	WG555747
Chlorobenzene	mg/l	0.0285	0.0278	114.	78-123	2.36	20	WG555747
Chlorodibromomethane	mg/l	0.0283	0.0283	113.	73-128	0.120	20	WG555747

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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
Chloroethane	mg/l	0.0280	0.0259	112.		52-164	7.76	20	WG555747
Chloroform	mg/l	0.0225	0.0226	90.0		76-122	0.540	20	WG555747
Chloromethane	mg/l	0.0180	0.0179	72.0		50-141	0.480	20	WG555747
cis-1,2-Dichloroethene	mg/l	0.0234	0.0233	94.0		75-121	0.360	20	WG555747
cis-1,3-Dichloropropene	mg/l	0.0249	0.0245	100.		74-124	1.75	20	WG555747
Di-isopropyl ether	mg/l	0.0215	0.0214	86.0		66-129	0.750	20	WG555747
Dibromomethane	mg/l	0.0253	0.0254	101.		77-124	0.420	20	WG555747
Dichlorodifluoromethane	mg/l	0.0229	0.0236	92.0		33-173	2.66	20	WG555747
Ethylbenzene	mg/l	0.0289	0.0284	116.		77-124	1.65	20	WG555747
Hexachloro-1,3-butadiene	mg/l	0.0276	0.0282	110.		71-134	2.00	20	WG555747
Isopropylbenzene	mg/l	0.0289	0.0292	116.		74-126	0.780	20	WG555747
Methyl tert-butyl ether	mg/l	0.0225	0.0228	90.0		67-127	1.22	20	WG555747
Methylene Chloride	mg/l	0.0227	0.0222	91.0		67-122	2.14	20	WG555747
n-Butylbenzene	mg/l	0.0253	0.0254	101.		74-130	0.160	20	WG555747
n-Propylbenzene	mg/l	0.0283	0.0282	113.		77-125	0.280	20	WG555747
Naphthalene	mg/l	0.0252	0.0255	101.		70-134	1.16	20	WG555747
p-Isopropyltoluene	mg/l	0.0304	0.0306	122.		77-132	0.710	20	WG555747
sec-Butylbenzene	mg/l	0.0293	0.0294	117.		77-130	0.540	20	WG555747
Styrene	mg/l	0.0294	0.0292	117.		69-145	0.410	20	WG555747
tert-Butylbenzene	mg/l	0.0299	0.0298	119.		76-131	0.150	20	WG555747
Tetrachloroethene	mg/l	0.0301	0.0302	120.		75-121	0.350	20	WG555747
Toluene	mg/l	0.0251	0.0250	100.		75-114	0.100	20	WG555747
trans-1,2-Dichloroethene	mg/l	0.0237	0.0237	95.0		63-127	0.150	20	WG555747
trans-1,3-Dichloropropene	mg/l	0.0252	0.0249	101.		69-124	1.01	20	WG555747
Trichloroethene	mg/l	0.0269	0.0269	107.		69-131	0.0100	20	WG555747
Trichlorofluoromethane	mg/l	0.0287	0.0280	115.		53-161	2.72	20	WG555747
Vinyl chloride	mg/l	0.0207	0.0206	83.0		55-142	0.960	20	WG555747
Xylenes, Total	mg/l	0.0869	0.0863	116.		77-123	0.690	20	WG555747
4-Bromofluorobenzene				104.6		82-120			WG555747
Dibromofluoromethane				95.25		82-126			WG555747
Toluene-d8				99.90		92-112			WG555747
2,4,5-T	mg/l	0.00338	0.00342	68.0		47-120	1.05	22	WG556197
2,4,5-TP (Silvex)	mg/l	0.00368	0.00393	74.0		46-125	6.41	25	WG556197
2,4-D	mg/l	0.00360	0.00366	72.0		39-112	1.81	23	WG556197
2,4-DB	mg/l	0.00355	0.00401	71.0		29-133	12.0	34	WG556197
Dalapon	mg/l	0.00288	0.00252	58.0		34-97	13.2	35	WG556197
Dicamba	mg/l	0.00384	0.00396	77.0		47-119	3.15	22	WG556197
Dichloroprop	mg/l	0.00320	0.00320	64.0		35-110	0.190	23	WG556197
Dinoseb	mg/l	0.00368	0.00391	74.0		29-111	6.17	27	WG556197
MCPA	mg/l	0.345	0.330	69.0		16-189	4.57	31	WG556197
MCPP	mg/l	0.477	0.503	95.0		16-189	5.28	31	WG556197
2,4-Dichlorophenyl Acetic Acid				82.28		42-112			WG556197
Nitrate-Nitrite	mg/l	5.12	4.94	102.		85-115	3.58	20	WG556791
Ammonia Nitrogen	mg/l	7.48	8.19	100.		90-110	9.06	20	WG556597

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Gasoline Range Organics-NWTPH	mg/l	7.92	2.86	5.5	92.0	58-122	L536799-06	WG555826
a,a,a-Trifluorotoluene(FID)					108.6	62-128		WG555826
Gasoline Range Organics-NWTPH	mg/l	6.22	0	5.5	113.	58-122	L536655-08	WG555824

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
a,a,a-Trifluorotoluene (FID)					106.5	62-128		
Mercury, Dissolved	mg/l	0.00298	0	.003	99.3	70-130	L536522-01	WG555866
1,1,1,2-Tetrachloroethane	mg/l	0.0283	0	.025	113.	71-130	L536705-03	WG555747
1,1,1-Trichloroethane	mg/l	0.0242	0	.025	96.7	58-137	L536705-03	WG555747
1,1,2,2-Tetrachloroethane	mg/l	0.0257	0	.025	103.	64-149	L536705-03	WG555747
1,1,2-Trichloroethane	mg/l	0.0265	0	.025	106.	73-128	L536705-03	WG555747
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0251	0	.025	100.	36-159	L536705-03	WG555747
1,1-Dichloroethane	mg/l	0.0222	0	.025	88.7	58-133	L536705-03	WG555747
1,1-Dichloroethene	mg/l	0.0228	0	.025	91.2	32-152	L536705-03	WG555747
1,1-Dichloropropene	mg/l	0.0218	0	.025	87.3	50-140	L536705-03	WG555747
1,2,3-Trichlorobenzene	mg/l	0.0243	0	.025	97.2	68-135	L536705-03	WG555747
1,2,3-Trichloropropane	mg/l	0.0276	0	.025	110.	74-137	L536705-03	WG555747
1,2,3-Trimethylbenzene	mg/l	0.0233	0	.025	93.2	67-133	L536705-03	WG555747
1,2,4-Trichlorobenzene	mg/l	0.0248	0	.025	99.1	67-133	L536705-03	WG555747
1,2,4-Trimethylbenzene	mg/l	0.0283	0	.025	113.	62-141	L536705-03	WG555747
1,2-Dibromo-3-Chloropropane	mg/l	0.0217	0	.025	86.8	55-148	L536705-03	WG555747
1,2-Dibromoethane	mg/l	0.0261	0	.025	104.	71-129	L536705-03	WG555747
1,2-Dichlorobenzene	mg/l	0.0238	0	.025	95.1	75-125	L536705-03	WG555747
1,2-Dichloroethane	mg/l	0.0222	0	.025	88.7	59-135	L536705-03	WG555747
1,2-Dichloropropane	mg/l	0.0228	0	.025	91.0	68-126	L536705-03	WG555747
1,3,5-Trimethylbenzene	mg/l	0.0285	0	.025	114.	67-136	L536705-03	WG555747
1,3-Dichlorobenzene	mg/l	0.0279	0	.025	112.	69-131	L536705-03	WG555747
1,3-Dichloropropane	mg/l	0.0244	0	.025	97.6	70-122	L536705-03	WG555747
1,4-Dichlorobenzene	mg/l	0.0242	0	.025	97.0	70-123	L536705-03	WG555747
2,2-Dichloropropane	mg/l	0.0229	0	.025	91.5	51-141	L536705-03	WG555747
2-Butanone (MEK)	mg/l	0.103	0	.125	82.6	51-149	L536705-03	WG555747
2-Chloroethyl vinyl ether	mg/l	0.0890	0	.125	71.2	10-161	L536705-03	WG555747
2-Chlorotoluene	mg/l	0.0275	0	.025	110.	65-133	L536705-03	WG555747
4-Chlorotoluene	mg/l	0.0269	0	.025	108.	67-129	L536705-03	WG555747
4-Methyl-2-pentanone (MIBK)	mg/l	0.122	0	.125	97.6	53-154	L536705-03	WG555747
Acetone	mg/l	0.0977	0	.125	78.1	34-146	L536705-03	WG555747
Acrolein	mg/l	0.108	0	.125	86.3	10-189	L536705-03	WG555747
Acrylonitrile	mg/l	0.111	0	.125	88.9	49-162	L536705-03	WG555747
Benzene	mg/l	0.0206	0	.025	82.5	51-134	L536705-03	WG555747
Bromobenzene	mg/l	0.0249	0	.025	99.6	64-130	L536705-03	WG555747
Bromodichloromethane	mg/l	0.0246	0	.025	98.3	67-132	L536705-03	WG555747
Bromoform	mg/l	0.0263	0	.025	105.	59-137	L536705-03	WG555747
Bromomethane	mg/l	0.0219	0	.025	87.4	23-177	L536705-03	WG555747
Carbon tetrachloride	mg/l	0.0234	0	.025	93.6	49-140	L536705-03	WG555747
Chlorobenzene	mg/l	0.0274	0	.025	110.	69-126	L536705-03	WG555747
Chlorodibromomethane	mg/l	0.0282	0	.025	113.	68-130	L536705-03	WG555747
Chloroethane	mg/l	0.0229	0	.025	91.5	32-177	L536705-03	WG555747
Chloroform	mg/l	0.0225	0	.025	89.8	64-130	L536705-03	WG555747
Chloromethane	mg/l	0.0150	0	.025	60.1	27-155	L536705-03	WG555747
cis-1,2-Dichloroethene	mg/l	0.0221	0	.025	88.2	54-137	L536705-03	WG555747
cis-1,3-Dichloropropene	mg/l	0.0236	0	.025	94.3	63-127	L536705-03	WG555747
Di-isopropyl ether	mg/l	0.0208	0	.025	83.3	58-133	L536705-03	WG555747
Dibromomethane	mg/l	0.0247	0	.025	98.9	68-131	L536705-03	WG555747
Dichlorodifluoromethane	mg/l	0.0229	0	.025	91.5	16-188	L536705-03	WG555747
Ethylbenzene	mg/l	0.0276	0	.025	110.	64-135	L536705-03	WG555747
Hexachloro-1,3-butadiene	mg/l	0.0259	0	.025	104.	64-140	L536705-03	WG555747
Isopropylbenzene	mg/l	0.0281	0	.025	112.	62-134	L536705-03	WG555747
Methyl tert-butyl ether	mg/l	0.0225	0	.025	90.2	55-136	L536705-03	WG555747
Methylene Chloride	mg/l	0.0212	0	.025	84.8	52-130	L536705-03	WG555747
n-Butylbenzene	mg/l	0.0238	0	.025	95.2	62-142	L536705-03	WG555747
n-Propylbenzene	mg/l	0.0271	0	.025	108.	62-137	L536705-03	WG555747
Naphthalene	mg/l	0.0234	0	.025	93.7	65-140	L536705-03	WG555747

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
p-Isopropyltoluene	mg/l	0.0293	0	.025	117.	64-142	L536705-03	WG555747
sec-Butylbenzene	mg/l	0.0285	0	.025	114.	67-139	L536705-03	WG555747
Styrene	mg/l	0.0280	0	.025	112.	58-152	L536705-03	WG555747
tert-Butylbenzene	mg/l	0.0291	0	.025	116.	66-139	L536705-03	WG555747
Tetrachloroethene	mg/l	0.0292	0	.025	117.	56-139	L536705-03	WG555747
Toluene	mg/l	0.0238	0	.025	95.1	61-126	L536705-03	WG555747
trans-1,2-Dichloroethene	mg/l	0.0220	0	.025	87.8	45-137	L536705-03	WG555747
trans-1,3-Dichloropropene	mg/l	0.0241	0	.025	96.3	59-130	L536705-03	WG555747
Trichloroethene	mg/l	0.0249	0	.025	99.6	40-155	L536705-03	WG555747
Trichlorofluoromethane	mg/l	0.0272	0	.025	109.	35-177	L536705-03	WG555747
Vinyl chloride	mg/l	0.0183	0	.025	73.0	32-159	L536705-03	WG555747
Xylenes, Total	mg/l	0.0830	0	.075	111.	64-133	L536705-03	WG555747
4-Bromofluorobenzene					104.8	82-120		WG555747
Dibromofluoromethane					96.97	82-126		WG555747
Toluene-d8					100.4	92-112		WG555747
Nitrate-Nitrite	mg/l	5.67	0.290	5	108.	80-120	L535917-03	WG556791
Ammonia Nitrogen	mg/l	620.	700.	5	0*	90-110	L536606-01	WG556597
Arsenic,Dissolved	mg/l	1.20	0.0280	1.13	104.	75-125	L536774-04	WG556285
Barium,Dissolved	mg/l	1.29	0.110	1.13	104.	75-125	L536774-04	WG556285
Cadmium,Dissolved	mg/l	1.18	0	1.13	104.	75-125	L536774-04	WG556285
Chromium,Dissolved	mg/l	1.20	0	1.13	106.	75-125	L536774-04	WG556285
Lead,Dissolved	mg/l	1.20	0.00620	1.13	106.	75-125	L536774-04	WG556285
Selenium,Dissolved	mg/l	1.11	0	1.13	98.2	75-125	L536774-04	WG556285
Silver,Dissolved	mg/l	0.0441	0	1.13	3.90*	75-125	L536774-04	WG556285
Arsenic,Dissolved	mg/l	1.07	0	1.13	94.7	75-125	L537072-01	WG556625
Cadmium,Dissolved	mg/l	1.12	0	1.13	99.1	75-125	L537072-01	WG556625
Chromium,Dissolved	mg/l	1.13	0	1.13	100.	75-125	L537072-01	WG556625
Lead,Dissolved	mg/l	1.14	0	1.13	101.	75-125	L537072-01	WG556625
Selenium,Dissolved	mg/l	1.05	0.0250	1.13	90.7	75-125	L537072-01	WG556625
Silver,Dissolved	mg/l	0.448	0	1.13	39.6*	75-125	L537072-01	WG556625
Barium,Dissolved	mg/l	1.53	0.370	1.13	103.	75-125	L537440-05	WG557215

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Gasoline Range Organics-NWTPH	mg/l	7.98	7.92	93.0	58-122	0.760	20	L536799-06	WG555826
a,a,a-Trifluorotoluene(FID)				109.4	62-128				WG555826
Gasoline Range Organics-NWTPH	mg/l	5.47	6.22	99.5	58-122	12.7	20	L536655-08	WG555824
a,a,a-Trifluorotoluene(FID)				105.1	62-128				WG555824
Mercury,Dissolved	mg/l	0.00293	0.00298	97.7	70-130	1.69	20	L536522-01	WG555866
1,1,1,2-Tetrachloroethane	mg/l	0.0274	0.0283	110.	71-130	3.47	20	L536705-03	WG555747
1,1,1-Trichloroethane	mg/l	0.0240	0.0242	95.8	58-137	0.920	20	L536705-03	WG555747
1,1,2,2-Tetrachloroethane	mg/l	0.0255	0.0257	102.	64-149	0.710	20	L536705-03	WG555747

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



YOUR LAB OF CHOICE

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Tax I.D. 62-0814289

Est. 1970

September 28, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
1,1,2-Trichloroethane	mg/l	0.0257	0.0265	103.	73-128	3.19	20	L536705-03	WG555747
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0250	0.0251	99.8	36-159	0.760	21	L536705-03	WG555747
1,1-Dichloroethane	mg/l	0.0218	0.0222	87.1	58-133	1.81	20	L536705-03	WG555747
1,1-Dichloroethene	mg/l	0.0224	0.0228	89.7	32-152	1.61	20	L536705-03	WG555747
1,1-Dichloropropene	mg/l	0.0216	0.0218	86.4	50-140	1.08	20	L536705-03	WG555747
1,2,3-Trichlorobenzene	mg/l	0.0255	0.0243	102.	68-135	4.93	20	L536705-03	WG555747
1,2,3-Trichloropropane	mg/l	0.0265	0.0276	106.	74-137	3.85	20	L536705-03	WG555747
1,2,3-Trimethylbenzene	mg/l	0.0240	0.0233	96.0	67-133	2.95	20	L536705-03	WG555747
1,2,4-Trichlorobenzene	mg/l	0.0261	0.0248	104.	67-133	5.16	20	L536705-03	WG555747
1,2,4-Trimethylbenzene	mg/l	0.0275	0.0283	110.	62-141	2.91	20	L536705-03	WG555747
1,2-Dibromo-3-Chloropropane	mg/l	0.0228	0.0217	91.3	55-148	5.10	22	L536705-03	WG555747
1,2-Dibromoethane	mg/l	0.0257	0.0261	103.	71-129	1.55	20	L536705-03	WG555747
1,2-Dichlorobenzene	mg/l	0.0244	0.0238	97.6	75-125	2.53	20	L536705-03	WG555747
1,2-Dichloroethane	mg/l	0.0225	0.0222	90.0	59-135	1.42	20	L536705-03	WG555747
1,2-Dichloropropane	mg/l	0.0222	0.0228	89.0	68-126	2.29	20	L536705-03	WG555747
1,3,5-Trimethylbenzene	mg/l	0.0275	0.0285	110.	67-136	3.27	20	L536705-03	WG555747
1,3-Dichlorobenzene	mg/l	0.0281	0.0279	112.	69-131	0.820	20	L536705-03	WG555747
1,3-Dichloropropane	mg/l	0.0242	0.0244	96.7	70-122	0.870	20	L536705-03	WG555747
1,4-Dichlorobenzene	mg/l	0.0246	0.0242	98.3	70-123	1.38	20	L536705-03	WG555747
2,2-Dichloropropane	mg/l	0.0224	0.0229	89.5	51-141	2.24	20	L536705-03	WG555747
2-Butanone (MEK)	mg/l	0.105	0.103	84.0	51-149	1.76	22	L536705-03	WG555747
2-Chloroethyl vinyl ether	mg/l	0.0827	0.0890	66.2	10-161	7.31	40	L536705-03	WG555747
2-Chlorotoluene	mg/l	0.0266	0.0275	106.	65-133	3.14	20	L536705-03	WG555747
4-Chlorotoluene	mg/l	0.0264	0.0269	106.	67-129	1.90	20	L536705-03	WG555747
4-Methyl-2-pentanone (MIBK)	mg/l	0.120	0.122	96.2	53-154	1.53	21	L536705-03	WG555747
Acetone	mg/l	0.0951	0.0977	76.1	34-146	2.66	22	L536705-03	WG555747
Acrolein	mg/l	0.109	0.108	87.2	10-189	1.08	30	L536705-03	WG555747
Acrylonitrile	mg/l	0.111	0.111	89.2	49-162	0.260	20	L536705-03	WG555747
Benzene	mg/l	0.0204	0.0206	81.5	51-134	1.15	20	L536705-03	WG555747
Bromobenzene	mg/l	0.0245	0.0249	98.1	64-130	1.49	20	L536705-03	WG555747
Bromodichloromethane	mg/l	0.0243	0.0246	97.1	67-132	1.25	20	L536705-03	WG555747
Bromoform	mg/l	0.0262	0.0263	105.	59-137	0.280	20	L536705-03	WG555747
Bromomethane	mg/l	0.0249	0.0219	99.5	23-177	12.9	21	L536705-03	WG555747
Carbon tetrachloride	mg/l	0.0231	0.0234	92.4	49-140	1.31	20	L536705-03	WG555747
Chlorobenzene	mg/l	0.0267	0.0274	107.	69-126	2.65	20	L536705-03	WG555747
Chlorodibromomethane	mg/l	0.0273	0.0282	109.	68-130	3.12	20	L536705-03	WG555747
Chloroethane	mg/l	0.0236	0.0229	94.5	32-177	3.28	21	L536705-03	WG555747
Chloroform	mg/l	0.0218	0.0225	87.2	64-130	3.01	20	L536705-03	WG555747
Chloromethane	mg/l	0.0155	0.0150	62.0	27-155	3.04	20	L536705-03	WG555747
cis-1,2-Dichloroethene	mg/l	0.0224	0.0221	89.6	54-137	1.49	20	L536705-03	WG555747
cis-1,3-Dichloropropene	mg/l	0.0234	0.0236	93.5	63-127	0.840	20	L536705-03	WG555747
Di-isopropyl ether	mg/l	0.0210	0.0208	83.8	58-133	0.610	20	L536705-03	WG555747
Dibromomethane	mg/l	0.0245	0.0247	98.0	68-131	0.980	20	L536705-03	WG555747
Dichlorodifluoromethane	mg/l	0.0223	0.0229	89.2	16-188	2.54	22	L536705-03	WG555747
Ethylbenzene	mg/l	0.0268	0.0276	107.	64-135	3.23	20	L536705-03	WG555747
Hexachloro-1,3-butadiene	mg/l	0.0267	0.0259	107.	64-140	2.96	20	L536705-03	WG555747
Isopropylbenzene	mg/l	0.0275	0.0281	110.	62-134	2.16	20	L536705-03	WG555747
Methyl tert-butyl ether	mg/l	0.0224	0.0225	89.7	55-136	0.530	20	L536705-03	WG555747
Methylene Chloride	mg/l	0.0206	0.0212	82.6	52-130	2.64	20	L536705-03	WG555747
n-Butylbenzene	mg/l	0.0244	0.0238	97.5	62-142	2.40	20	L536705-03	WG555747
n-Propylbenzene	mg/l	0.0264	0.0271	106.	62-137	2.46	20	L536705-03	WG555747
Naphthalene	mg/l	0.0249	0.0234	99.7	65-140	6.23	20	L536705-03	WG555747
p-Isopropyltoluene	mg/l	0.0286	0.0293	114.	64-142	2.14	20	L536705-03	WG555747
sec-Butylbenzene	mg/l	0.0278	0.0285	111.	67-139	2.25	20	L536705-03	WG555747
Styrene	mg/l	0.0278	0.0280	111.	58-152	0.870	20	L536705-03	WG555747
tert-Butylbenzene	mg/l	0.0284	0.0291	114.	66-139	2.50	20	L536705-03	WG555747
Tetrachloroethene	mg/l	0.0278	0.0292	111.	56-139	4.85	20	L536705-03	WG555747
Toluene	mg/l	0.0235	0.0238	94.1	61-126	1.12	20	L536705-03	WG555747
trans-1,2-Dichloroethene	mg/l	0.0218	0.0220	87.4	45-137	0.510	20	L536705-03	WG555747

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YOUR LAB OF CHOICE

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Tax I.D. 62-0814289

Est. 1970

September 28, 2011

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
trans-1,3-Dichloropropene	mg/l	0.0240	0.0241	95.9	59-130	0.400	20	L536705-03	WG555747
Trichloroethene	mg/l	0.0254	0.0249	101.	40-155	1.78	20	L536705-03	WG555747
Trichlorofluoromethane	mg/l	0.0268	0.0272	107.	35-177	1.46	23	L536705-03	WG555747
Vinyl chloride	mg/l	0.0185	0.0183	74.1	32-159	1.50	21	L536705-03	WG555747
Xylenes, Total	mg/l	0.0809	0.0830	108.	64-133	2.51	20	L536705-03	WG555747
4-Bromofluorobenzene				101.8	82-120				WG555747
Dibromofluoromethane				95.55	82-126				WG555747
Toluene-d8				99.10	92-112				WG555747
Nitrate-Nitrite	mg/l	5.68	5.67	108.	80-120	0.176	20	L535917-03	WG556791
Ammonia Nitrogen	mg/l	625.	620.	0*	90-110	0.803	20	L536606-01	WG556597
Arsenic, Dissolved	mg/l	1.21	1.20	105.	75-125	0.830	20	L536774-04	WG556285
Barium, Dissolved	mg/l	1.30	1.29	105.	75-125	0.772	20	L536774-04	WG556285
Cadmium, Dissolved	mg/l	1.19	1.18	105.	75-125	0.844	20	L536774-04	WG556285
Chromium, Dissolved	mg/l	1.22	1.20	108.	75-125	1.65	20	L536774-04	WG556285
Lead, Dissolved	mg/l	1.22	1.20	107.	75-125	1.65	20	L536774-04	WG556285
Selenium, Dissolved	mg/l	1.13	1.11	100.	75-125	1.79	20	L536774-04	WG556285
Silver, Dissolved	mg/l	0.0440	0.0441	3.89*	75-125	0.227	20	L536774-04	WG556285
Arsenic, Dissolved	mg/l	1.08	1.07	95.6	75-125	0.930	20	L537072-01	WG556625
Cadmium, Dissolved	mg/l	1.12	1.12	99.1	75-125	0	20	L537072-01	WG556625
Chromium, Dissolved	mg/l	1.15	1.13	102.	75-125	1.75	20	L537072-01	WG556625
Lead, Dissolved	mg/l	1.15	1.14	102.	75-125	0.873	20	L537072-01	WG556625
Selenium, Dissolved	mg/l	1.06	1.05	91.6	75-125	0.948	20	L537072-01	WG556625
Silver, Dissolved	mg/l	0.596	0.448	52.7*	75-125	28.4*	20	L537072-01	WG556625
Barium, Dissolved	mg/l	1.50	1.53	100.	75-125	1.98	20	L537440-05	WG557215

Batch number /Run number / Sample number cross reference

WG555826: R1864454: L536774-04 05 06
 WG555824: R1864460: L536774-01 02 03
 WG555866: R1865352: L536774-01 02 03 04 05 06
 WG555827: R1866673: L536774-01 02 03 04 05 06
 WG556244: R1867756: L536774-01 02 03 04 05 06
 WG555747: R1868463: L536774-01 02 03 04 05 06 07
 WG556197: R1868474: L536774-01 02 03 04 05 06
 WG556791: R1869535: L536774-01 02 03 04 05 06
 WG556597: R1869952: L536774-01 02 03 04 05 06
 WG556625: R1870474: L536774-05 06
 WG556285: R1870476: L536774-01 02 03 04
 WG557215: R1871496 R1871497: L536774-06 05

* * 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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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.



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Mike Murray
HDR - Boise, ID
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Boise, ID 83706

Report Summary

Tuesday January 03, 2012

Report Number: L552817


Samples Received: 12/21/11

Client Project: 97156

Description: Simplot - Sunnyside

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:


Jared Willis, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Est. 1970

REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-1

Collected By : Dale Reynolds
 Collection Date : 12/16/11 09:00

ESC Sample # : L552817-01

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.66	0.10	mg/l	350.1	12/30/11	1
Nitrate-Nitrite	5.6	0.10	mg/l	353.2	12/29/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	12/26/11	1
Arsenic, Dissolved	0.036	0.020	mg/l	6010B	12/24/11	1
Barium, Dissolved	0.034	0.0050	mg/l	6010B	12/24/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	12/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	12/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	104.		% Rec.	NWTPHGX	12/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	12/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	12/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	12/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	12/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	12/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	12/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	12/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L552817-01

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-1

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 12/16/11 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	12/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-1
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 09:00

ESC Sample # : L552817-01
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	114.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	110.		% Rec.	8260B	12/22/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	12/27/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	12/27/11	1
Surrogate Recovery o-Terphenyl	103.		% Rec.	NWTPHDX	12/27/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Surrogate Recovery Nitrobenzene-d5	111.		% Rec.	8270C-SIM	12/23/11	1
2-Fluorobiphenyl	96.4		% Rec.	8270C-SIM	12/23/11	1
p-Terphenyl-d14	95.0		% Rec.	8270C-SIM	12/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	12/29/11	1
Dalapon	BDL	0.20	mg/l	8151	12/29/11	1
2,4-DB	BDL	0.0020	mg/l	8151	12/29/11	1
Dicamba	BDL	0.0020	mg/l	8151	12/29/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	12/29/11	1
Dinoseb	BDL	0.0020	mg/l	8151	12/29/11	1
MCPA	BDL	0.10	mg/l	8151	12/29/11	1
MCPP	BDL	0.10	mg/l	8151	12/29/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	12/29/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	12/29/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : December 21, 2011
Description : Simplot - Sunnyside
Sample ID : MW-1
Collected By : Dale Reynolds
Collection Date : 12/16/11 09:00

ESC Sample # : L552817-01
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	47.3		% Rec.	8151	12/29/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-2

Collected By : Dale Reynolds
 Collection Date : 12/16/11 10:30

ESC Sample # : L552817-02

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.18	0.10	mg/l	350.1	12/30/11	1
Nitrate-Nitrite	5.1	0.10	mg/l	353.2	12/29/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	12/26/11	1
Arsenic, Dissolved	0.083	0.020	mg/l	6010B	12/24/11	1
Barium, Dissolved	0.037	0.0050	mg/l	6010B	12/24/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	12/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	12/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	102.		% Rec.	NWTPHGX	12/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	12/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	12/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	12/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	12/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	12/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	12/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	12/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L552817-02

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-2

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 12/16/11 10:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	12/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-2
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 10:30

ESC Sample # : L552817-02
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	114.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	104.		% Rec.	8260B	12/22/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	12/27/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	12/27/11	1
Surrogate Recovery						
o-Terphenyl	106.		% Rec.	NWTPHDX	12/27/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	119.		% Rec.	8270C-SIM	12/23/11	1
2-Fluorobiphenyl	105.		% Rec.	8270C-SIM	12/23/11	1
p-Terphenyl-d14	97.3		% Rec.	8270C-SIM	12/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	12/22/11	1
Dalapon	BDL	0.20	mg/l	8151	12/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	12/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	12/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	12/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	12/22/11	1
MCPA	BDL	0.10	mg/l	8151	12/22/11	1
MCPP	BDL	0.10	mg/l	8151	12/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	12/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : December 21, 2011
Description : Simplot - Sunnyside
Sample ID : MW-2
Collected By : Dale Reynolds
Collection Date : 12/16/11 10:30

ESC Sample # : L552817-02
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	21.2		% Rec.	8151	12/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-3
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 12:00

ESC Sample # : L552817-03
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	12/30/11	1
Nitrate-Nitrite	9.3	0.10	mg/l	353.2	12/29/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	12/26/11	1
Arsenic, Dissolved	0.062	0.020	mg/l	6010B	12/24/11	1
Barium, Dissolved	0.038	0.0050	mg/l	6010B	12/24/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Selenium, Dissolved	0.021	0.020	mg/l	6010B	12/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	12/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	107.		% Rec.	NWTPHGX	12/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	12/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	12/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	12/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	12/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	12/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	12/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	12/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-3

Collected By : Dale Reynolds
 Collection Date : 12/16/11 12:00

ESC Sample # : L552817-03

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	12/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-3
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 12:00

ESC Sample # : L552817-03
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	118.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	107.		% Rec.	8260B	12/22/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	12/27/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	12/27/11	1
Surrogate Recovery						
o-Terphenyl	106.		% Rec.	NWTPHDX	12/27/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	110.		% Rec.	8270C-SIM	12/23/11	1
2-Fluorobiphenyl	101.		% Rec.	8270C-SIM	12/23/11	1
p-Terphenyl-d14	97.8		% Rec.	8270C-SIM	12/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	12/22/11	1
Dalapon	BDL	0.20	mg/l	8151	12/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	12/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	12/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	12/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	12/22/11	1
MCPA	BDL	0.10	mg/l	8151	12/22/11	1
MCPP	BDL	0.10	mg/l	8151	12/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	12/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : December 21, 2011
Description : Simplot - Sunnyside

Sample ID : MW-3

Collected By : Dale Reynolds
Collection Date : 12/16/11 12:00

ESC Sample # : L552817-03

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	49.3		% Rec.	8151	12/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-4

Collected By : Dale Reynolds
 Collection Date : 12/16/11 13:30

ESC Sample # : L552817-04

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	0.40	0.10	mg/l	350.1	12/30/11	1
Nitrate-Nitrite	7.8	0.10	mg/l	353.2	12/29/11	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	12/26/11	1
Arsenic, Dissolved	0.031	0.020	mg/l	6010B	12/24/11	1
Barium, Dissolved	0.041	0.0050	mg/l	6010B	12/24/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	12/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Gasoline Range Organics-NWTPH	BDL	0.10	mg/l	NWTPHGX	12/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	105.		% Rec.	NWTPHGX	12/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	12/22/11	1
Acrolein	BDL	0.050	mg/l	8260B	12/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	12/22/11	1
Benzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	12/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	12/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	12/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	12/22/11	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Sample ID : MW-4

Collected By : Dale Reynolds
 Collection Date : 12/16/11 13:30

ESC Sample # : L552817-04

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloropropane	0.0040	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	12/22/11	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-4
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 13:30

ESC Sample # : L552817-04
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	117.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	12/22/11	1
Diesel Range Organics (DRO)	BDL	0.10	mg/l	NWTPHDX	12/27/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	12/27/11	1
Surrogate Recovery o-Terphenyl	105.		% Rec.	NWTPHDX	12/27/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Surrogate Recovery Nitrobenzene-d5	112.		% Rec.	8270C-SIM	12/23/11	1
2-Fluorobiphenyl	99.8		% Rec.	8270C-SIM	12/23/11	1
p-Terphenyl-d14	93.2		% Rec.	8270C-SIM	12/23/11	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	12/22/11	1
Dalapon	BDL	0.20	mg/l	8151	12/22/11	1
2,4-DB	BDL	0.0020	mg/l	8151	12/22/11	1
Dicamba	BDL	0.0020	mg/l	8151	12/22/11	1
Dichloroprop	BDL	0.0020	mg/l	8151	12/22/11	1
Dinoseb	BDL	0.0020	mg/l	8151	12/22/11	1
MCPA	BDL	0.10	mg/l	8151	12/22/11	1
MCPP	BDL	0.10	mg/l	8151	12/22/11	1
2,4,5-T	BDL	0.0020	mg/l	8151	12/22/11	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : December 21, 2011
Description : Simplot - Sunnyside
Sample ID : MW-4
Collected By : Dale Reynolds
Collection Date : 12/16/11 13:30

ESC Sample # : L552817-04
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	20.3		% Rec.	8151	12/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L552817-05

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-5

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 12/16/11 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	370	4.0	mg/l	350.1	12/30/11	40
Nitrate-Nitrite	290	4.0	mg/l	353.2	12/29/11	40
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	12/26/11	1
Arsenic, Dissolved	0.23	0.020	mg/l	6010B	12/24/11	1
Barium, Dissolved	0.054	0.0050	mg/l	6010B	12/24/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	12/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Gasoline Range Organics-NWTPH	1.8	0.10	mg/l	NWTPHGX	12/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	106.		% Rec.	NWTPHGX	12/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	12/22/11	1
Acrolein	0.068	0.050	mg/l	8260B	12/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	12/22/11	1
Benzene	0.14	0.0010	mg/l	8260B	12/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorobenzene	0.0042	0.0010	mg/l	8260B	12/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	12/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	12/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	12/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	12/22/11	1
2-Chlorotoluene	0.0030	0.0010	mg/l	8260B	12/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L552817-05

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-5

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 12/16/11 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloroethane	0.18	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloropropane	0.0093	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Ethylbenzene	0.0011	0.0010	mg/l	8260B	12/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	12/22/11	1
Isopropylbenzene	0.0032	0.0010	mg/l	8260B	12/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	0.028	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	0.0071	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	0.084	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	0.021	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	0.024	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	0.20	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-5
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 15:00

ESC Sample # : L552817-05
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	109.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	113.		% Rec.	8260B	12/22/11	1
Diesel Range Organics (DRO)	2.0	0.10	mg/l	NWTPHDX	12/27/11	1
Residual Range Organics (RRO)	0.26	0.25	mg/l	NWTPHDX	12/27/11	1
Surrogate Recovery						
o-Terphenyl	106.		% Rec.	NWTPHDX	12/27/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluorene	0.000055	0.000050	mg/l	8270C-SIM	12/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Naphthalene	0.024	0.00025	mg/l	8270C-SIM	12/23/11	1
Phenanthrene	0.00026	0.000050	mg/l	8270C-SIM	12/23/11	1
Pyrene	0.000053	0.000050	mg/l	8270C-SIM	12/23/11	1
1-Methylnaphthalene	0.0039	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Methylnaphthalene	0.0048	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	115.		% Rec.	8270C-SIM	12/23/11	1
2-Fluorobiphenyl	84.8		% Rec.	8270C-SIM	12/23/11	1
p-Terphenyl-d14	75.6		% Rec.	8270C-SIM	12/23/11	1
Herbicides						
2,4-D	0.036	0.010	mg/l	8151	12/26/11	5
Dalapon	BDL	1.0	mg/l	8151	12/26/11	5
2,4-DB	BDL	0.010	mg/l	8151	12/26/11	5
Dicamba	BDL	0.010	mg/l	8151	12/26/11	5
Dichloroprop	BDL	0.010	mg/l	8151	12/26/11	5
Dinoseb	BDL	0.010	mg/l	8151	12/26/11	5
MCPA	BDL	0.50	mg/l	8151	12/26/11	5
MCPP	BDL	0.50	mg/l	8151	12/26/11	5
2,4,5-T	BDL	0.010	mg/l	8151	12/26/11	5
2,4,5-TP (Silvex)	BDL	0.010	mg/l	8151	12/26/11	5

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : December 21, 2011
Description : Simplot - Sunnyside
Sample ID : MW-5
Collected By : Dale Reynolds
Collection Date : 12/16/11 15:00

ESC Sample # : L552817-05
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	41.5		% Rec.	8151	12/26/11	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-6
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 16:30

ESC Sample # : L552817-06
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ammonia Nitrogen	370	2.0	mg/l	350.1	12/30/11	20
Nitrate-Nitrite	300	4.0	mg/l	353.2	12/29/11	40
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	12/26/11	1
Arsenic, Dissolved	0.23	0.020	mg/l	6010B	12/24/11	1
Barium, Dissolved	0.054	0.0050	mg/l	6010B	12/24/11	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	12/24/11	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	12/24/11	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	12/24/11	1
Gasoline Range Organics-NWTPH	1.7	0.10	mg/l	NWTPHGX	12/22/11	1
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	104.		% Rec.	NWTPHGX	12/22/11	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	12/22/11	1
Acrolein	0.084	0.050	mg/l	8260B	12/22/11	1
Acrylonitrile	BDL	0.010	mg/l	8260B	12/22/11	1
Benzene	0.14	0.0010	mg/l	8260B	12/22/11	1
Bromobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromoform	BDL	0.0010	mg/l	8260B	12/22/11	1
Bromomethane	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Chlorobenzene	0.0045	0.0010	mg/l	8260B	12/22/11	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Chloroethane	BDL	0.0050	mg/l	8260B	12/22/11	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	12/22/11	1
Chloroform	BDL	0.0050	mg/l	8260B	12/22/11	1
Chloromethane	BDL	0.0025	mg/l	8260B	12/22/11	1
2-Chlorotoluene	0.0029	0.0010	mg/l	8260B	12/22/11	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Dibromomethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

ESC Sample # : L552817-06

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Site ID :

Sample ID : MW-6

Project # : 97156

Collected By : Dale Reynolds
 Collection Date : 12/16/11 16:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloroethane	0.17	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2-Dichloropropane	0.0095	0.0010	mg/l	8260B	12/22/11	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	12/22/11	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	12/22/11	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Ethylbenzene	0.0014	0.0010	mg/l	8260B	12/22/11	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	12/22/11	1
Isopropylbenzene	0.0038	0.0010	mg/l	8260B	12/22/11	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	12/22/11	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	0.032	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	0.0081	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	0.092	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	0.023	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	0.026	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	0.21	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside
 Sample ID : MW-6
 Collected By : Dale Reynolds
 Collection Date : 12/16/11 16:30

ESC Sample # : L552817-06
 Site ID :
 Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	105.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	114.		% Rec.	8260B	12/22/11	1
Diesel Range Organics (DRO)	1.5	0.10	mg/l	NWTPHDX	12/27/11	1
Residual Range Organics (RRO)	BDL	0.25	mg/l	NWTPHDX	12/27/11	1
Surrogate Recovery o-Terphenyl	99.8		% Rec.	NWTPHDX	12/27/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Naphthalene	0.026	0.00025	mg/l	8270C-SIM	12/23/11	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	12/23/11	1
1-Methylnaphthalene	0.0043	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Methylnaphthalene	0.0055	0.00025	mg/l	8270C-SIM	12/23/11	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	12/23/11	1
Surrogate Recovery Nitrobenzene-d5	119.		% Rec.	8270C-SIM	12/23/11	1
2-Fluorobiphenyl	87.5		% Rec.	8270C-SIM	12/23/11	1
p-Terphenyl-d14	82.8		% Rec.	8270C-SIM	12/23/11	1
Herbicides						
2,4-D	0.026	0.010	mg/l	8151	12/26/11	5
Dalapon	BDL	1.0	mg/l	8151	12/26/11	5
2,4-DB	BDL	0.010	mg/l	8151	12/26/11	5
Dicamba	BDL	0.010	mg/l	8151	12/26/11	5
Dichloroprop	BDL	0.010	mg/l	8151	12/26/11	5
Dinoseb	BDL	0.010	mg/l	8151	12/26/11	5
MCPA	BDL	0.50	mg/l	8151	12/26/11	5
MCPP	BDL	0.50	mg/l	8151	12/26/11	5
2,4,5-T	BDL	0.010	mg/l	8151	12/26/11	5
2,4,5-TP (Silvex)	BDL	0.010	mg/l	8151	12/26/11	5

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 Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Date Received : December 21, 2011
Description : Simplot - Sunnyside
Sample ID : MW-6
Collected By : Dale Reynolds
Collection Date : 12/16/11 16:30

ESC Sample # : L552817-06
Site ID :
Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	36.0		% Rec.	8151	12/26/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

ESC Sample # : L552817-07

Date Received : December 21, 2011
Description : Simplot - Sunnyside

Site ID :

Sample ID : TRIP BLANK

Project # : 97156

Collected By : Dale Reynolds
Collection Date : 12/16/11 00:00

Table with 7 columns: Parameter, Result, Det. Limit, Units, Method, Date, Dil. Rows include Volatile Organics, Acetone, Acrolein, Acrylonitrile, Benzene, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chlorodibromomethane, Chloroethane, 2-Chloroethyl vinyl ether, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,1-Dichloropropene, 1,3-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 2,2-Dichloropropane, Di-isopropyl ether, Ethylbenzene, Hexachloro-1,3-butadiene, Isopropylbenzene, p-Isopropyltoluene.

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

January 03, 2012

Mike Murray
 HDR - Boise, ID
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Date Received : December 21, 2011
 Description : Simplot - Sunnyside

Sample ID : TRIP BLANK

Collected By : Dale Reynolds
 Collection Date : 12/16/11 00:00

ESC Sample # : L552817-07

Site ID :

Project # : 97156

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	12/22/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	12/22/11	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	12/22/11	1
Naphthalene	BDL	0.0050	mg/l	8260B	12/22/11	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Styrene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Toluene	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichloroethene	BDL	0.0010	mg/l	8260B	12/22/11	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	12/22/11	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	12/22/11	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	12/22/11	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	12/22/11	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	12/22/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	12/22/11	1
Dibromofluoromethane	109.		% Rec.	8260B	12/22/11	1
4-Bromofluorobenzene	109.		% Rec.	8260B	12/22/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 12/30/11 20:09 Revised: 01/03/12 17:00

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier	
L552817-01	WG571920	SAMP	2,4-D	R1985412	Q	
	WG571920	SAMP	Dalapon	R1985412	Q	
	WG571920	SAMP	2,4-DB	R1985412	Q	
	WG571920	SAMP	Dicamba	R1985412	Q	
	WG571920	SAMP	Dichloroprop	R1985412	Q	
	WG571920	SAMP	Dinoseb	R1985412	Q	
	WG571920	SAMP	MCPA	R1985412	Q	
	WG571920	SAMP	MCPP	R1985412	Q	
	WG571920	SAMP	2,4,5-T	R1985412	Q	
	WG571920	SAMP	2,4,5-TP (Silvex)	R1985412	Q	
	L552817-04	WG571413	SAMP	Silver,Dissolved	R1980238	J6
	L552817-05	WG571254	SAMP	Naphthalene	R1977913	E
	L552817-06	WG571254	SAMP	Naphthalene	R1977913	E

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
Q	(ESC) Sample held beyond the accepted holding time.

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 Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography 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.



YOUR LAB OF CHOICE

HDR - Boise, ID
 Mike Murray
 412 E. Park Center Blvd, Ste 100
 Boise, ID 83706

Quality Assurance Report
 Level II

L552817

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January 03, 2012

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,1,1-Trichloroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,1,2-Trichloroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,1-Dichloroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,1-Dichloroethene	< .001	mg/l			WG571240	12/21/11 23:08
1,1-Dichloropropene	< .001	mg/l			WG571240	12/21/11 23:08
1,2,3-Trichlorobenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,2,3-Trichloropropane	< .001	mg/l			WG571240	12/21/11 23:08
1,2,3-Trimethylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,2,4-Trichlorobenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,2,4-Trimethylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG571240	12/21/11 23:08
1,2-Dibromoethane	< .001	mg/l			WG571240	12/21/11 23:08
1,2-Dichlorobenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,2-Dichloroethane	< .001	mg/l			WG571240	12/21/11 23:08
1,2-Dichloropropane	< .001	mg/l			WG571240	12/21/11 23:08
1,3,5-Trimethylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,3-Dichlorobenzene	< .001	mg/l			WG571240	12/21/11 23:08
1,3-Dichloropropane	< .001	mg/l			WG571240	12/21/11 23:08
1,4-Dichlorobenzene	< .001	mg/l			WG571240	12/21/11 23:08
2,2-Dichloropropane	< .001	mg/l			WG571240	12/21/11 23:08
2-Butanone (MEK)	< .01	mg/l			WG571240	12/21/11 23:08
2-Chloroethyl vinyl ether	< .05	mg/l			WG571240	12/21/11 23:08
2-Chlorotoluene	< .001	mg/l			WG571240	12/21/11 23:08
4-Chlorotoluene	< .001	mg/l			WG571240	12/21/11 23:08
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG571240	12/21/11 23:08
Acetone	< .05	mg/l			WG571240	12/21/11 23:08
Acrolein	< .025	mg/l			WG571240	12/21/11 23:08
Acrylonitrile	< .01	mg/l			WG571240	12/21/11 23:08
Benzene	< .001	mg/l			WG571240	12/21/11 23:08
Bromobenzene	< .001	mg/l			WG571240	12/21/11 23:08
Bromodichloromethane	< .001	mg/l			WG571240	12/21/11 23:08
Bromoform	< .001	mg/l			WG571240	12/21/11 23:08
Bromomethane	< .005	mg/l			WG571240	12/21/11 23:08
Carbon tetrachloride	< .001	mg/l			WG571240	12/21/11 23:08
Chlorobenzene	< .001	mg/l			WG571240	12/21/11 23:08
Chlorodibromomethane	< .001	mg/l			WG571240	12/21/11 23:08
Chloroethane	< .005	mg/l			WG571240	12/21/11 23:08
Chloroform	< .005	mg/l			WG571240	12/21/11 23:08
Chloromethane	< .0025	mg/l			WG571240	12/21/11 23:08
cis-1,2-Dichloroethene	< .001	mg/l			WG571240	12/21/11 23:08
cis-1,3-Dichloropropene	< .001	mg/l			WG571240	12/21/11 23:08
Di-isopropyl ether	< .001	mg/l			WG571240	12/21/11 23:08
Dibromomethane	< .001	mg/l			WG571240	12/21/11 23:08
Dichlorodifluoromethane	< .005	mg/l			WG571240	12/21/11 23:08
Ethylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
Hexachloro-1,3-butadiene	< .001	mg/l			WG571240	12/21/11 23:08
Isopropylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
Methyl tert-butyl ether	< .001	mg/l			WG571240	12/21/11 23:08
Methylene Chloride	< .005	mg/l			WG571240	12/21/11 23:08
n-Butylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
n-Propylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
Naphthalene	< .005	mg/l			WG571240	12/21/11 23:08
p-Isopropyltoluene	< .001	mg/l			WG571240	12/21/11 23:08
sec-Butylbenzene	< .001	mg/l			WG571240	12/21/11 23:08
Styrene	< .001	mg/l			WG571240	12/21/11 23:08
tert-Butylbenzene	< .001	mg/l			WG571240	12/21/11 23:08

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YOUR LAB OF CHOICE

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 Mike Murray
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Quality Assurance Report
 Level II

L552817

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 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

January 03, 2012

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Tetrachloroethene	< .001	mg/l			WG571240	12/21/11 23:08
Toluene	< .005	mg/l			WG571240	12/21/11 23:08
trans-1,2-Dichloroethene	< .001	mg/l			WG571240	12/21/11 23:08
trans-1,3-Dichloropropene	< .001	mg/l			WG571240	12/21/11 23:08
Trichloroethene	< .001	mg/l			WG571240	12/21/11 23:08
Trichlorofluoromethane	< .005	mg/l			WG571240	12/21/11 23:08
Vinyl chloride	< .001	mg/l			WG571240	12/21/11 23:08
Xylenes, Total	< .003	mg/l			WG571240	12/21/11 23:08
4-Bromofluorobenzene		% Rec.	108.4	82-120	WG571240	12/21/11 23:08
Dibromofluoromethane		% Rec.	105.0	82-126	WG571240	12/21/11 23:08
Toluene-d8		% Rec.	104.4	92-112	WG571240	12/21/11 23:08
Gasoline Range Organics-NWTPH	< .1	mg/l			WG571153	12/21/11 17:41
a,a,a-Trifluorotoluene(FID)		% Rec.	99.60	62-128	WG571153	12/21/11 17:41
1-Methylnaphthalene	< .00025	mg/l			WG571254	12/22/11 16:28
2-Chloronaphthalene	< .00025	mg/l			WG571254	12/22/11 16:28
2-Methylnaphthalene	< .00025	mg/l			WG571254	12/22/11 16:28
Acenaphthene	< .00005	mg/l			WG571254	12/22/11 16:28
Acenaphthylene	< .00005	mg/l			WG571254	12/22/11 16:28
Anthracene	< .00005	mg/l			WG571254	12/22/11 16:28
Benzo(a)anthracene	< .00005	mg/l			WG571254	12/22/11 16:28
Benzo(a)pyrene	< .00005	mg/l			WG571254	12/22/11 16:28
Benzo(b)fluoranthene	< .00005	mg/l			WG571254	12/22/11 16:28
Benzo(g,h,i)perylene	< .00005	mg/l			WG571254	12/22/11 16:28
Benzo(k)fluoranthene	< .00005	mg/l			WG571254	12/22/11 16:28
Chrysene	< .00005	mg/l			WG571254	12/22/11 16:28
Dibenz(a,h)anthracene	< .00005	mg/l			WG571254	12/22/11 16:28
Fluoranthene	< .00005	mg/l			WG571254	12/22/11 16:28
Fluorene	< .00005	mg/l			WG571254	12/22/11 16:28
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG571254	12/22/11 16:28
Naphthalene	< .00025	mg/l			WG571254	12/22/11 16:28
Phenanthrene	< .00005	mg/l			WG571254	12/22/11 16:28
Pyrene	< .00005	mg/l			WG571254	12/22/11 16:28
2-Fluorobiphenyl		% Rec.	95.53	10-139	WG571254	12/22/11 16:28
Nitrobenzene-d5		% Rec.	105.9	31-121	WG571254	12/22/11 16:28
p-Terphenyl-d14		% Rec.	101.5	21-136	WG571254	12/22/11 16:28
2,4,5-T	< .002	mg/l			WG571288	12/22/11 21:01
2,4,5-TP (Silvex)	< .002	mg/l			WG571288	12/22/11 21:01
2,4-D	< .002	mg/l			WG571288	12/22/11 21:01
2,4-DB	< .002	mg/l			WG571288	12/22/11 21:01
Dalapon	< .002	mg/l			WG571288	12/22/11 21:01
Dicamba	< .002	mg/l			WG571288	12/22/11 21:01
Dichloroprop	< .002	mg/l			WG571288	12/22/11 21:01
Dinoseb	< .002	mg/l			WG571288	12/22/11 21:01
MCPA	< .1	mg/l			WG571288	12/22/11 21:01
MCPP	< .1	mg/l			WG571288	12/22/11 21:01
2,4-Dichlorophenyl Acetic Acid		%	68.23	42-112	WG571288	12/22/11 21:01
Gasoline Range Organics-NWTPH	< .1	mg/l			WG571332	12/22/11 13:44
a,a,a-Trifluorotoluene(FID)		% Rec.	105.8	62-128	WG571332	12/22/11 13:44
Mercury,Dissolved	< .0002	mg/l			WG571541	12/26/11 10:32

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Arsenic, Dissolved	< .02	mg/l			WG571413	12/24/11 15:22
Barium, Dissolved	< .005	mg/l			WG571413	12/24/11 15:22
Cadmium, Dissolved	< .005	mg/l			WG571413	12/24/11 15:22
Chromium, Dissolved	< .01	mg/l			WG571413	12/24/11 15:22
Lead, Dissolved	< .005	mg/l			WG571413	12/24/11 15:22
Selenium, Dissolved	< .02	mg/l			WG571413	12/24/11 15:22
Silver, Dissolved	< .01	mg/l			WG571413	12/24/11 15:22
Diesel Range Organics (DRO)	< .1	ppm			WG571257	12/27/11 13:49
Residual Range Organics (RRO)	< .25	ppm			WG571257	12/27/11 13:49
o-Terphenyl		% Rec.	107.9	50-150	WG571257	12/27/11 13:49
Nitrate-Nitrite	< .1	mg/l			WG571934	12/29/11 11:41
Ammonia Nitrogen	< .1	mg/l			WG572234	12/30/11 10:51
2,4,5-T	< .002	mg/l			WG571920	12/29/11 16:49
2,4,5-TP (Silvex)	< .002	mg/l			WG571920	12/29/11 16:49
2,4-D	< .002	mg/l			WG571920	12/29/11 16:49
2,4-DB	< .002	mg/l			WG571920	12/29/11 16:49
Dalapon	< .002	mg/l			WG571920	12/29/11 16:49
Dicamba	< .002	mg/l			WG571920	12/29/11 16:49
Dichloroprop	< .002	mg/l			WG571920	12/29/11 16:49
Dinoseb	< .002	mg/l			WG571920	12/29/11 16:49
MCPA	< .1	mg/l			WG571920	12/29/11 16:49
MCPP	< .1	mg/l			WG571920	12/29/11 16:49
2,4-Dichlorophenyl Acetic Acid		%	48.23	42-112	WG571920	12/29/11 16:49

Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Mercury, Dissolved	mg/l	0	0	0	20	L552817-01	WG571541
Arsenic, Dissolved	mg/l	0.0350	0.0310	11.3	20	L552817-04	WG571413
Barium, Dissolved	mg/l	0.0420	0.0410	1.93	20	L552817-04	WG571413
Cadmium, Dissolved	mg/l	0	0	0	20	L552817-04	WG571413
Chromium, Dissolved	mg/l	0	0	0	20	L552817-04	WG571413
Lead, Dissolved	mg/l	0	0	0	20	L552817-04	WG571413
Selenium, Dissolved	mg/l	0	0	0	20	L552817-04	WG571413
Silver, Dissolved	mg/l	0	0	0	20	L552817-04	WG571413
Nitrate-Nitrite	mg/l	0.920	0.920	0.326	20	L552610-01	WG571934
Nitrate-Nitrite	mg/l	0.890	0.900	0.669	20	L552929-01	WG571934
Ammonia Nitrogen	mg/l	110.	110.	0.905	20	L551307-03	WG572234
Ammonia Nitrogen	mg/l	0.710	0.710	0.565	20	L552929-04	WG572234

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0304	122.	77-128	WG571240
1,1,1-Trichloroethane	mg/l	.025	0.0254	101.	71-126	WG571240

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0269	108.	78-130	WG571240
1,1,2-Trichloroethane	mg/l	.025	0.0278	111.	81-121	WG571240
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0207	83.0	53-143	WG571240
1,1-Dichloroethane	mg/l	.025	0.0253	101.	73-123	WG571240
1,1-Dichloroethene	mg/l	.025	0.0261	105.	54-134	WG571240
1,1-Dichloropropene	mg/l	.025	0.0249	99.8	67-127	WG571240
1,2,3-Trichlorobenzene	mg/l	.025	0.0270	108.	77-130	WG571240
1,2,3-Trichloropropene	mg/l	.025	0.0285	114.	68-130	WG571240
1,2,3-Trimethylbenzene	mg/l	.025	0.0251	101.	70-127	WG571240
1,2,4-Trichlorobenzene	mg/l	.025	0.0278	111.	76-127	WG571240
1,2,4-Trimethylbenzene	mg/l	.025	0.0299	120.	77-129	WG571240
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0287	115.	55-142	WG571240
1,2-Dibromoethane	mg/l	.025	0.0280	112.	78-124	WG571240
1,2-Dichlorobenzene	mg/l	.025	0.0264	106.	82-121	WG571240
1,2-Dichloroethane	mg/l	.025	0.0252	101.	69-128	WG571240
1,2-Dichloropropene	mg/l	.025	0.0254	102.	77-121	WG571240
1,3,5-Trimethylbenzene	mg/l	.025	0.0292	117.	78-127	WG571240
1,3-Dichlorobenzene	mg/l	.025	0.0287	115.	77-127	WG571240
1,3-Dichloropropene	mg/l	.025	0.0262	105.	78-117	WG571240
1,4-Dichlorobenzene	mg/l	.025	0.0257	103.	79-117	WG571240
2,2-Dichloropropane	mg/l	.025	0.0274	109.	63-130	WG571240
2-Butanone (MEK)	mg/l	.125	0.116	92.9	58-144	WG571240
2-Chloroethyl vinyl ether	mg/l	.125	0.187	149.	26-172	WG571240
2-Chlorotoluene	mg/l	.025	0.0275	110.	78-123	WG571240
4-Chlorotoluene	mg/l	.025	0.0285	114.	78-122	WG571240
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.136	109.	58-147	WG571240
Acetone	mg/l	.125	0.114	91.5	49-153	WG571240
Acrolein	mg/l	.125	0.120	96.2	10-181	WG571240
Acrylonitrile	mg/l	.125	0.116	92.6	53-153	WG571240
Benzene	mg/l	.025	0.0248	99.0	72-119	WG571240
Bromobenzene	mg/l	.025	0.0271	108.	76-121	WG571240
Bromodichloromethane	mg/l	.025	0.0279	112.	75-127	WG571240
Bromoform	mg/l	.025	0.0323	129.	61-136	WG571240
Bromomethane	mg/l	.025	0.0273	109.	42-172	WG571240
Carbon tetrachloride	mg/l	.025	0.0262	105.	63-129	WG571240
Chlorobenzene	mg/l	.025	0.0276	111.	78-123	WG571240
Chlorodibromomethane	mg/l	.025	0.0307	123.	73-128	WG571240
Chloroethane	mg/l	.025	0.0231	92.4	52-164	WG571240
Chloroform	mg/l	.025	0.0259	104.	76-122	WG571240
Chloromethane	mg/l	.025	0.0235	94.1	50-141	WG571240
cis-1,2-Dichloroethene	mg/l	.025	0.0261	105.	75-121	WG571240
cis-1,3-Dichloropropene	mg/l	.025	0.0282	113.	74-124	WG571240
Di-isopropyl ether	mg/l	.025	0.0252	101.	66-129	WG571240
Dibromomethane	mg/l	.025	0.0276	111.	77-124	WG571240
Dichlorodifluoromethane	mg/l	.025	0.0265	106.	33-173	WG571240
Ethylbenzene	mg/l	.025	0.0285	114.	77-124	WG571240
Hexachloro-1,3-butadiene	mg/l	.025	0.0253	101.	71-134	WG571240
Isopropylbenzene	mg/l	.025	0.0313	125.	74-126	WG571240
Methyl tert-butyl ether	mg/l	.025	0.0270	108.	67-127	WG571240
Methylene Chloride	mg/l	.025	0.0290	116.	67-122	WG571240
n-Butylbenzene	mg/l	.025	0.0269	108.	74-130	WG571240
n-Propylbenzene	mg/l	.025	0.0280	112.	77-125	WG571240
Naphthalene	mg/l	.025	0.0279	112.	70-134	WG571240
p-Isopropyltoluene	mg/l	.025	0.0304	122.	77-132	WG571240
sec-Butylbenzene	mg/l	.025	0.0290	116.	77-130	WG571240
Styrene	mg/l	.025	0.0309	124.	69-145	WG571240
tert-Butylbenzene	mg/l	.025	0.0293	117.	76-131	WG571240
Tetrachloroethene	mg/l	.025	0.0268	107.	69-131	WG571240
Toluene	mg/l	.025	0.0263	105.	75-114	WG571240

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
trans-1,2-Dichloroethene	mg/l	.025	0.0260	104.	63-127	WG571240
trans-1,3-Dichloropropene	mg/l	.025	0.0266	107.	69-124	WG571240
Trichloroethene	mg/l	.025	0.0262	105.	69-131	WG571240
Trichlorofluoromethane	mg/l	.025	0.0170	68.1	53-161	WG571240
Vinyl chloride	mg/l	.025	0.0257	103.	55-142	WG571240
Xylenes, Total	mg/l	.075	0.0865	115.	77-123	WG571240
4-Bromofluorobenzene				108.0	82-120	WG571240
Dibromofluoromethane				98.31	82-126	WG571240
Toluene-d8				104.5	92-112	WG571240
Gasoline Range Organics-NWTPH	mg/l	5.5	5.69	103.	70-124	WG571153
a,a,a-Trifluorotoluene(FID)				99.56	62-128	WG571153
1-Methylnaphthalene	mg/l	.002	0.00220	110.	70-130	WG571254
2-Chloronaphthalene	mg/l	.002	0.00200	100.	70-130	WG571254
2-Methylnaphthalene	mg/l	.002	0.00220	110.	70-130	WG571254
Acenaphthene	mg/l	.002	0.00220	110.	70-130	WG571254
Acenaphthylene	mg/l	.002	0.00230	115.	70-130	WG571254
Anthracene	mg/l	.002	0.00230	115.	70-130	WG571254
Benzo(a)anthracene	mg/l	.002	0.00240	120.	70-130	WG571254
Benzo(a)pyrene	mg/l	.002	0.00230	115.	70-130	WG571254
Benzo(b)fluoranthene	mg/l	.002	0.00210	105.	70-130	WG571254
Benzo(g,h,i)perylene	mg/l	.002	0.00210	105.	70-130	WG571254
Benzo(k)fluoranthene	mg/l	.002	0.00220	110.	70-130	WG571254
Chrysene	mg/l	.002	0.00210	105.	70-130	WG571254
Dibenz(a,h)anthracene	mg/l	.002	0.00210	105.	70-130	WG571254
Fluoranthene	mg/l	.002	0.00230	115.	70-130	WG571254
Fluorene	mg/l	.002	0.00230	115.	70-130	WG571254
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00220	110.	70-130	WG571254
Naphthalene	mg/l	.002	0.00210	105.	70-130	WG571254
Phenanthrene	mg/l	.002	0.00220	110.	70-130	WG571254
Pyrene	mg/l	.002	0.00230	115.	70-130	WG571254
2-Fluorobiphenyl				93.60	10-139	WG571254
Nitrobenzene-d5				108.1	31-121	WG571254
p-Terphenyl-d14				101.5	21-136	WG571254
2,4,5-T	mg/l	.005	0.00312	62.4	47-120	WG571288
2,4,5-TP (Silvex)	mg/l	.005	0.00386	77.2	46-125	WG571288
2,4-D	mg/l	.005	0.00315	63.0	39-112	WG571288
2,4-DB	mg/l	.005	0.00303	60.5	29-133	WG571288
Dalapon	mg/l	.005	0.00294	58.8	34-97	WG571288
Dicamba	mg/l	.005	0.00342	68.3	47-119	WG571288
Dichloroprop	mg/l	.005	0.00343	68.6	35-110	WG571288
Dinoseb	mg/l	.005	0.00250	49.9	29-111	WG571288
MCPA	mg/l	.5	0.297	59.4	16-189	WG571288
MCPP	mg/l	.5	0.533	107.	16-189	WG571288
2,4-Dichlorophenyl Acetic Acid				49.55	42-112	WG571288
Gasoline Range Organics-NWTPH	mg/l	5.5	6.27	114.	70-124	WG571332
a,a,a-Trifluorotoluene(FID)				110.0	62-128	WG571332
Mercury,Dissolved	mg/l	.003	0.00277	92.3	85-115	WG571541

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Arsenic, Dissolved	mg/l	1.13	1.12	99.1	85-115	WG571413
Barium, Dissolved	mg/l	1.13	1.13	100.	85-115	WG571413
Cadmium, Dissolved	mg/l	1.13	1.14	101.	85-115	WG571413
Chromium, Dissolved	mg/l	1.13	1.16	103.	85-115	WG571413
Lead, Dissolved	mg/l	1.13	1.19	105.	85-115	WG571413
Selenium, Dissolved	mg/l	1.13	1.07	94.7	85-115	WG571413
Silver, Dissolved	mg/l	1.13	1.09	96.5	85-115	WG571413
Diesel Range Organics (DRO)	mg/l	.75	0.886	118.	50-150	WG571257
Residual Range Organics (RRO)	mg/l	.75	1.01	135.	50-150	WG571257
o-Terphenyl				117.3	50-150	WG571257
Nitrate-Nitrite	mg/l	5	5.10	102.	85-115	WG571934
Ammonia Nitrogen	mg/l	7.5	7.86	105.	90-110	WG572234
2,4,5-T	mg/l	.005	0.00326	65.3	47-120	WG571920
2,4,5-TP (Silvex)	mg/l	.005	0.00392	78.4	46-125	WG571920
2,4-D	mg/l	.005	0.00326	65.3	39-112	WG571920
2,4-DB	mg/l	.005	0.00323	64.7	29-133	WG571920
Dalapon	mg/l	.005	0.00307	61.4	34-97	WG571920
Dicamba	mg/l	.005	0.00353	70.7	47-119	WG571920
Dichloroprop	mg/l	.005	0.00353	70.6	35-110	WG571920
Dinoseb	mg/l	.005	0.00227	45.4	29-111	WG571920
MCPA	mg/l	.5	0.311	62.3	16-189	WG571920
MCPB	mg/l	.5	0.519	104.	16-189	WG571920
2,4-Dichlorophenyl Acetic Acid				54.59	42-112	WG571920

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
1,1,1,2-Tetrachloroethane	mg/l	0.0292	0.0304	117.	77-128	3.78	20	WG571240
1,1,1-Trichloroethane	mg/l	0.0251	0.0254	100.	71-126	1.14	20	WG571240
1,1,2,2-Tetrachloroethane	mg/l	0.0274	0.0269	110.	78-130	1.82	20	WG571240
1,1,2-Trichloroethane	mg/l	0.0275	0.0278	110.	81-121	1.17	20	WG571240
1,1,2-Trichlorotrifluoroethane	mg/l	0.0198	0.0207	79.0	53-143	4.62	20	WG571240
1,1-Dichloroethane	mg/l	0.0249	0.0253	100.	73-123	1.52	20	WG571240
1,1-Dichloroethene	mg/l	0.0250	0.0261	100.	54-134	4.40	20	WG571240
1,1-Dichloropropene	mg/l	0.0244	0.0249	98.0	67-127	2.09	20	WG571240
1,2,3-Trichlorobenzene	mg/l	0.0268	0.0270	107.	77-130	0.680	20	WG571240
1,2,3-Trichloropropane	mg/l	0.0296	0.0285	118.	68-130	3.63	20	WG571240
1,2,3-Trimethylbenzene	mg/l	0.0243	0.0251	97.0	70-127	3.29	20	WG571240
1,2,4-Trichlorobenzene	mg/l	0.0274	0.0278	110.	76-127	1.40	20	WG571240
1,2,4-Trimethylbenzene	mg/l	0.0279	0.0299	112.	77-129	6.97	20	WG571240
1,2-Dibromo-3-Chloropropane	mg/l	0.0306	0.0287	122.	55-142	6.36	20	WG571240
1,2-Dibromoethane	mg/l	0.0278	0.0280	111.	78-124	0.790	20	WG571240
1,2-Dichlorobenzene	mg/l	0.0260	0.0264	104.	82-121	1.66	20	WG571240
1,2-Dichloroethane	mg/l	0.0253	0.0252	101.	69-128	0.620	20	WG571240
1,2-Dichloropropane	mg/l	0.0249	0.0254	100.	77-121	2.11	20	WG571240
1,3,5-Trimethylbenzene	mg/l	0.0278	0.0292	111.	78-127	4.75	20	WG571240
1,3-Dichlorobenzene	mg/l	0.0275	0.0287	110.	77-127	4.29	20	WG571240
1,3-Dichloropropane	mg/l	0.0259	0.0262	104.	78-117	1.00	20	WG571240
1,4-Dichlorobenzene	mg/l	0.0253	0.0257	101.	79-117	1.63	20	WG571240
2,2-Dichloropropane	mg/l	0.0261	0.0274	104.	63-130	4.88	20	WG571240
2-Butanone (MEK)	mg/l	0.127	0.116	102.	58-144	9.15	20	WG571240

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YOUR LAB OF CHOICE

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Quality Assurance Report
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Tax I.D. 62-0814289

Est. 1970

January 03, 2012

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
2-Chloroethyl vinyl ether	mg/l	0.194	0.187	155.	26-172	3.87	22	WG571240
2-Chlorotoluene	mg/l	0.0266	0.0275	106.	78-123	3.67	20	WG571240
4-Chlorotoluene	mg/l	0.0268	0.0285	107.	78-122	6.19	20	WG571240
4-Methyl-2-pentanone (MIBK)	mg/l	0.150	0.136	120.	58-147	9.82	20	WG571240
Acetone	mg/l	0.118	0.114	94.0	49-153	3.17	21	WG571240
Acrolein	mg/l	0.118	0.120	94.0	10-181	2.03	30	WG571240
Acrylonitrile	mg/l	0.125	0.116	100.	53-153	7.41	20	WG571240
Benzene	mg/l	0.0245	0.0248	98.0	72-119	1.03	20	WG571240
Bromobenzene	mg/l	0.0258	0.0271	103.	76-121	4.76	20	WG571240
Bromodichloromethane	mg/l	0.0276	0.0279	110.	75-127	1.03	20	WG571240
Bromoform	mg/l	0.0321	0.0323	128.	61-136	0.770	20	WG571240
Bromomethane	mg/l	0.0262	0.0273	105.	42-172	4.14	20	WG571240
Carbon tetrachloride	mg/l	0.0255	0.0262	102.	63-129	2.84	20	WG571240
Chlorobenzene	mg/l	0.0261	0.0276	104.	78-123	5.52	20	WG571240
Chlorodibromomethane	mg/l	0.0299	0.0307	120.	73-128	2.57	20	WG571240
Chloroethane	mg/l	0.0203	0.0231	81.0	52-164	12.9	20	WG571240
Chloroform	mg/l	0.0256	0.0259	102.	76-122	0.980	20	WG571240
Chloromethane	mg/l	0.0220	0.0235	88.0	50-141	6.60	20	WG571240
cis-1,2-Dichloroethene	mg/l	0.0254	0.0261	102.	75-121	2.81	20	WG571240
cis-1,3-Dichloropropene	mg/l	0.0277	0.0282	111.	74-124	1.84	20	WG571240
Di-isopropyl ether	mg/l	0.0251	0.0252	100.	66-129	0.460	20	WG571240
Dibromomethane	mg/l	0.0280	0.0276	112.	77-124	1.46	20	WG571240
Dichlorodifluoromethane	mg/l	0.0251	0.0265	100.	33-173	5.19	20	WG571240
Ethylbenzene	mg/l	0.0267	0.0285	107.	77-124	6.71	20	WG571240
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0253	97.0	71-134	3.91	20	WG571240
Isopropylbenzene	mg/l	0.0298	0.0313	119.	74-126	5.00	20	WG571240
Methyl tert-butyl ether	mg/l	0.0273	0.0270	109.	67-127	1.01	20	WG571240
Methylene Chloride	mg/l	0.0293	0.0290	117.	67-122	1.12	20	WG571240
n-Butylbenzene	mg/l	0.0260	0.0269	104.	74-130	3.56	20	WG571240
n-Propylbenzene	mg/l	0.0264	0.0280	106.	77-125	5.88	20	WG571240
Naphthalene	mg/l	0.0284	0.0279	114.	70-134	1.64	20	WG571240
p-Isopropyltoluene	mg/l	0.0288	0.0304	115.	77-132	5.68	20	WG571240
sec-Butylbenzene	mg/l	0.0273	0.0290	109.	77-130	5.89	20	WG571240
Styrene	mg/l	0.0298	0.0309	119.	69-145	3.70	20	WG571240
tert-Butylbenzene	mg/l	0.0279	0.0293	111.	76-131	5.14	20	WG571240
Tetrachloroethene	mg/l	0.0254	0.0268	102.	69-131	5.33	20	WG571240
Toluene	mg/l	0.0252	0.0263	101.	75-114	4.61	20	WG571240
trans-1,2-Dichloroethene	mg/l	0.0256	0.0260	102.	63-127	1.52	20	WG571240
trans-1,3-Dichloropropene	mg/l	0.0267	0.0266	107.	69-124	0.400	20	WG571240
Trichloroethene	mg/l	0.0254	0.0262	102.	69-131	3.04	20	WG571240
Trichlorofluoromethane	mg/l	0.0178	0.0170	71.0	53-161	4.60	20	WG571240
Vinyl chloride	mg/l	0.0241	0.0257	96.0	55-142	6.42	20	WG571240
Xylenes, Total	mg/l	0.0817	0.0865	109.	77-123	5.71	20	WG571240
4-Bromofluorobenzene				106.0	82-120			WG571240
Dibromofluoromethane				99.71	82-126			WG571240
Toluene-d8				104.0	92-112			WG571240
Gasoline Range Organics-NWTPH	mg/l	6.39	5.69	116.	70-124	11.6	20	WG571153
a,a,a-Trifluorotoluene(FID)				109.4	62-128			WG571153
1-Methylnaphthalene	mg/l	0.00210	0.00220	105.	70-130	4.65	25	WG571254
2-Chloronaphthalene	mg/l	0.00200	0.00200	100.	70-130	0	25	WG571254
2-Methylnaphthalene	mg/l	0.00210	0.00220	105.	70-130	4.65	25	WG571254
Acenaphthene	mg/l	0.00210	0.00220	105.	70-130	4.65	25	WG571254
Acenaphthylene	mg/l	0.00220	0.00230	110.	70-130	4.44	25	WG571254
Anthracene	mg/l	0.00220	0.00230	110.	70-130	4.44	25	WG571254
Benzo(a)anthracene	mg/l	0.00230	0.00240	115.	70-130	4.26	25	WG571254

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Est. 1970

January 03, 2012

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzo(a)pyrene	mg/l	0.00220	0.00230	110.	70-130	4.44	25	WG571254
Benzo(b)fluoranthene	mg/l	0.00210	0.00210	105.	70-130	0	25	WG571254
Benzo(g,h,i)perylene	mg/l	0.00210	0.00210	105.	70-130	0	25	WG571254
Benzo(k)fluoranthene	mg/l	0.00210	0.00220	105.	70-130	4.65	25	WG571254
Chrysene	mg/l	0.00210	0.00210	105.	70-130	0	25	WG571254
Dibenz(a,h)anthracene	mg/l	0.00210	0.00210	105.	70-130	0	25	WG571254
Fluoranthene	mg/l	0.00220	0.00230	110.	70-130	4.44	25	WG571254
Fluorene	mg/l	0.00220	0.00230	110.	70-130	4.44	25	WG571254
Indeno(1,2,3-cd)pyrene	mg/l	0.00210	0.00220	105.	70-130	4.65	25	WG571254
Naphthalene	mg/l	0.00200	0.00210	100.	70-130	4.88	25	WG571254
Phenanthrene	mg/l	0.00210	0.00220	105.	70-130	4.65	25	WG571254
Pyrene	mg/l	0.00220	0.00230	110.	70-130	4.44	25	WG571254
2-Fluorobiphenyl				99.10	10-139			WG571254
Nitrobenzene-d5				105.0	31-121			WG571254
p-Terphenyl-d14				101.3	21-136			WG571254
2,4,5-T	mg/l	0.00311	0.00312	62.0	47-120	0.272	22	WG571288
2,4,5-TP (Silvex)	mg/l	0.00365	0.00386	73.0	46-125	5.54	25	WG571288
2,4-D	mg/l	0.00297	0.00315	59.0	39-112	5.82	23	WG571288
2,4-DB	mg/l	0.00287	0.00303	57.0	29-133	5.27	34	WG571288
Dalapon	mg/l	0.00259	0.00294	52.0	34-97	12.7	35	WG571288
Dicamba	mg/l	0.00342	0.00342	68.0	47-119	0.263	22	WG571288
Dichloroprop	mg/l	0.00341	0.00343	68.0	35-110	0.567	23	WG571288
Dinoseb	mg/l	0.00239	0.00250	48.0	29-111	4.20	27	WG571288
MCPA	mg/l	0.227	0.297	45.0	16-189	26.8	31	WG571288
MCPP	mg/l	0.429	0.533	86.0	16-189	21.8	31	WG571288
2,4-Dichlorophenyl Acetic Acid				45.80	42-112			WG571288
Gasoline Range Organics-NWTPH	mg/l	6.39	6.27	116.	70-124	1.91	20	WG571332
a,a,a-Trifluorotoluene(FID)				110.4	62-128			WG571332
Diesel Range Organics (DRO)	mg/l	0.890	0.886	119.	50-150	0.423	20	WG571257
Residual Range Organics (RRO)	mg/l	1.01	1.01	134.	50-150	0.373	20	WG571257
o-Terphenyl				118.7	50-150			WG571257
Nitrate-Nitrite	mg/l	5.13	5.10	103.	85-115	0.587	20	WG571934
Ammonia Nitrogen	mg/l	7.95	7.86	106.	90-110	1.14	20	WG572234
2,4,5-T	mg/l	0.00342	0.00326	68.0	47-120	4.81	22	WG571920
2,4,5-TP (Silvex)	mg/l	0.00416	0.00392	83.0	46-125	5.98	25	WG571920
2,4-D	mg/l	0.00343	0.00326	69.0	39-112	5.12	23	WG571920
2,4-DB	mg/l	0.00354	0.00323	71.0	29-133	9.00	34	WG571920
Dalapon	mg/l	0.00328	0.00307	66.0	34-97	6.56	35	WG571920
Dicamba	mg/l	0.00385	0.00353	77.0	47-119	8.71	22	WG571920
Dichloroprop	mg/l	0.00380	0.00353	76.0	35-110	7.46	23	WG571920
Dinoseb	mg/l	0.00247	0.00227	49.0	29-111	8.49	27	WG571920
MCPA	mg/l	0.327	0.311	65.0	16-189	4.85	31	WG571920
MCPP	mg/l	0.562	0.519	112.	16-189	7.99	31	WG571920
2,4-Dichlorophenyl Acetic Acid				61.56	42-112			WG571920

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Est. 1970

January 03, 2012

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
1,1,1,2-Tetrachloroethane	mg/l	0.0282	0	.025	113.	71-130	L552106-10	WG571240
1,1,1-Trichloroethane	mg/l	0.0258	0	.025	103.	58-137	L552106-10	WG571240
1,1,2,2-Tetrachloroethane	mg/l	0.0254	0	.025	101.	64-149	L552106-10	WG571240
1,1,2-Trichloroethane	mg/l	0.0259	0	.025	104.	73-128	L552106-10	WG571240
1,1,2-Trichlorotrifluoroethane	mg/l	0.0204	0	.025	81.6	36-159	L552106-10	WG571240
1,1-Dichloroethane	mg/l	0.0244	0	.025	97.5	58-133	L552106-10	WG571240
1,1-Dichloroethene	mg/l	0.0265	0	.025	106.	32-152	L552106-10	WG571240
1,1-Dichloropropene	mg/l	0.0247	0	.025	98.9	50-140	L552106-10	WG571240
1,2,3-Trichlorobenzene	mg/l	0.0249	0	.025	99.8	68-135	L552106-10	WG571240
1,2,3-Trichloropropane	mg/l	0.0266	0	.025	106.	74-137	L552106-10	WG571240
1,2,3-Trimethylbenzene	mg/l	0.0231	0	.025	92.3	67-133	L552106-10	WG571240
1,2,4-Trichlorobenzene	mg/l	0.0260	0	.025	104.	67-133	L552106-10	WG571240
1,2,4-Trimethylbenzene	mg/l	0.0278	0	.025	111.	62-141	L552106-10	WG571240
1,2-Dibromo-3-Chloropropane	mg/l	0.0265	0	.025	106.	55-148	L552106-10	WG571240
1,2-Dibromoethane	mg/l	0.0256	0	.025	102.	71-129	L552106-10	WG571240
1,2-Dichlorobenzene	mg/l	0.0246	0	.025	98.3	75-125	L552106-10	WG571240
1,2-Dichloroethane	mg/l	0.0235	0	.025	93.9	59-135	L552106-10	WG571240
1,2-Dichloropropane	mg/l	0.0232	0	.025	93.0	68-126	L552106-10	WG571240
1,3,5-Trimethylbenzene	mg/l	0.0277	0	.025	111.	67-136	L552106-10	WG571240
1,3-Dichlorobenzene	mg/l	0.0268	0	.025	107.	69-131	L552106-10	WG571240
1,3-Dichloropropane	mg/l	0.0239	0	.025	95.6	70-122	L552106-10	WG571240
1,4-Dichlorobenzene	mg/l	0.0244	0	.025	97.6	70-123	L552106-10	WG571240
2,2-Dichloropropane	mg/l	0.0269	0	.025	107.	51-141	L552106-10	WG571240
2-Butanone (MEK)	mg/l	0.100	0	.125	80.4	51-149	L552106-10	WG571240
2-Chloroethyl vinyl ether	mg/l	0.000705	0	.125	0.564*	10-161	L552106-10	WG571240
2-Chlorotoluene	mg/l	0.0258	0	.025	103.	65-133	L552106-10	WG571240
4-Chlorotoluene	mg/l	0.0267	0	.025	107.	67-129	L552106-10	WG571240
4-Methyl-2-pentanone (MIBK)	mg/l	0.123	0	.125	98.6	53-154	L552106-10	WG571240
Acetone	mg/l	0.0691	0	.125	55.3	34-146	L552106-10	WG571240
Acrolein	mg/l	0.122	0	.125	97.3	10-189	L552106-10	WG571240
Acrylonitrile	mg/l	0.0975	0	.125	78.0	49-162	L552106-10	WG571240
Benzene	mg/l	0.0236	0	.025	94.5	51-134	L552106-10	WG571240
Bromobenzene	mg/l	0.0250	0	.025	100.	64-130	L552106-10	WG571240
Bromodichloromethane	mg/l	0.0256	0	.025	102.	67-132	L552106-10	WG571240
Bromoform	mg/l	0.0295	0	.025	118.	59-137	L552106-10	WG571240
Bromomethane	mg/l	0.0262	0	.025	105.	23-177	L552106-10	WG571240
Carbon tetrachloride	mg/l	0.0267	0	.025	107.	49-140	L552106-10	WG571240
Chlorobenzene	mg/l	0.0256	0	.025	102.	69-126	L552106-10	WG571240
Chlorodibromomethane	mg/l	0.0280	0	.025	112.	68-130	L552106-10	WG571240
Chloroethane	mg/l	0.0232	0	.025	92.9	32-177	L552106-10	WG571240
Chloroform	mg/l	0.0247	0	.025	98.8	64-130	L552106-10	WG571240
Chloromethane	mg/l	0.0221	0	.025	88.3	27-155	L552106-10	WG571240
cis-1,2-Dichloroethene	mg/l	0.0242	0	.025	96.6	54-137	L552106-10	WG571240
cis-1,3-Dichloropropene	mg/l	0.0246	0	.025	98.6	63-127	L552106-10	WG571240
Di-isopropyl ether	mg/l	0.0235	0	.025	94.1	58-133	L552106-10	WG571240
Dibromomethane	mg/l	0.0253	0	.025	101.	68-131	L552106-10	WG571240
Dichlorodifluoromethane	mg/l	0.0257	0	.025	103.	16-188	L552106-10	WG571240
Ethylbenzene	mg/l	0.0272	0	.025	109.	64-135	L552106-10	WG571240
Hexachloro-1,3-butadiene	mg/l	0.0246	0	.025	98.5	64-140	L552106-10	WG571240
Isopropylbenzene	mg/l	0.0307	0	.025	123.	62-134	L552106-10	WG571240
Methyl tert-butyl ether	mg/l	0.0252	0	.025	101.	55-136	L552106-10	WG571240
Methylene Chloride	mg/l	0.0253	0	.025	101.	52-130	L552106-10	WG571240
n-Butylbenzene	mg/l	0.0264	0	.025	106.	62-142	L552106-10	WG571240
n-Propylbenzene	mg/l	0.0270	0	.025	108.	62-137	L552106-10	WG571240
Naphthalene	mg/l	0.0251	0	.025	100.	65-140	L552106-10	WG571240
p-Isopropyltoluene	mg/l	0.0294	0	.025	117.	64-142	L552106-10	WG571240
sec-Butylbenzene	mg/l	0.0282	0	.025	113.	67-139	L552106-10	WG571240
Styrene	mg/l	0.0285	0	.025	114.	58-152	L552106-10	WG571240
tert-Butylbenzene	mg/l	0.0285	0	.025	114.	66-139	L552106-10	WG571240
Tetrachloroethene	mg/l	0.0264	0	.025	105.	56-139	L552106-10	WG571240

* 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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Analyte	Units	MS Res	Matrix Spike			Limit	Ref Samp	Batch
			Ref Res	TV	% Rec			
Toluene	mg/l	0.0255	0	.025	102.	61-126	L552106-10	WG571240
trans-1,2-Dichloroethene	mg/l	0.0255	0	.025	102.	45-137	L552106-10	WG571240
trans-1,3-Dichloropropene	mg/l	0.0244	0	.025	97.8	59-130	L552106-10	WG571240
Trichloroethene	mg/l	0.0288	0.00380	.025	100.	40-155	L552106-10	WG571240
Trichlorofluoromethane	mg/l	0.0191	0	.025	76.2	35-177	L552106-10	WG571240
Vinyl chloride	mg/l	0.0247	0	.025	99.0	32-159	L552106-10	WG571240
Xylenes, Total	mg/l	0.0822	0	.075	110.	64-133	L552106-10	WG571240
4-Bromofluorobenzene					107.3	82-120		WG571240
Dibromofluoromethane					98.96	82-126		WG571240
Toluene-d8					104.2	92-112		WG571240
Gasoline Range Organics-NWTPH	mg/l	5.98	0	5.5	109.	58-122	L552679-01	WG571153
a,a,a-Trifluorotoluene(FID)					103.9	62-128		WG571153
Gasoline Range Organics-NWTPH	mg/l	6.06	0	5.5	110.	58-122	L552817-04	WG571332
a,a,a-Trifluorotoluene(FID)					109.6	62-128		WG571332
Mercury,Dissolved	mg/l	0.00281	0	.003	93.7	70-130	L552817-01	WG571541
Arsenic,Dissolved	mg/l	1.15	0.0310	1.13	99.0	75-125	L552817-04	WG571413
Barium,Dissolved	mg/l	1.13	0.0410	1.13	96.4	75-125	L552817-04	WG571413
Cadmium,Dissolved	mg/l	1.11	0	1.13	98.2	75-125	L552817-04	WG571413
Chromium,Dissolved	mg/l	1.13	0	1.13	100.	75-125	L552817-04	WG571413
Lead,Dissolved	mg/l	1.14	0	1.13	101.	75-125	L552817-04	WG571413
Selenium,Dissolved	mg/l	1.07	0	1.13	94.7	75-125	L552817-04	WG571413
Silver,Dissolved	mg/l	0.0429	0	1.13	3.80*	75-125	L552817-04	WG571413
Nitrate-Nitrite	mg/l	6.81	1.80	5	100.	80-120	L552555-01	WG571934
Ammonia Nitrogen	mg/l	5.54	0.230	5	106.	90-110	L552929-03	WG572234

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
1,1,1,2-Tetrachloroethane	mg/l	0.0291	0.0282	116.	71-130	3.03	20	L552106-10	WG571240
1,1,1-Trichloroethane	mg/l	0.0259	0.0258	104.	58-137	0.570	20	L552106-10	WG571240
1,1,2,2-Tetrachloroethane	mg/l	0.0272	0.0254	109.	64-149	6.86	20	L552106-10	WG571240
1,1,2-Trichloroethane	mg/l	0.0272	0.0259	109.	73-128	4.80	20	L552106-10	WG571240
1,1,2-Trichlorotrifluoroethane	mg/l	0.0207	0.0204	82.8	36-159	1.36	21	L552106-10	WG571240
1,1-Dichloroethane	mg/l	0.0247	0.0244	98.7	58-133	1.25	20	L552106-10	WG571240
1,1-Dichloroethene	mg/l	0.0260	0.0265	104.	32-152	1.72	20	L552106-10	WG571240
1,1-Dichloropropene	mg/l	0.0247	0.0247	98.7	50-140	0.230	20	L552106-10	WG571240
1,2,3-Trichlorobenzene	mg/l	0.0263	0.0249	105.	68-135	5.39	20	L552106-10	WG571240
1,2,3-Trichloropropane	mg/l	0.0292	0.0266	117.	74-137	9.43	20	L552106-10	WG571240
1,2,3-Trimethylbenzene	mg/l	0.0236	0.0231	94.4	67-133	2.24	20	L552106-10	WG571240
1,2,4-Trichlorobenzene	mg/l	0.0269	0.0260	108.	67-133	3.29	20	L552106-10	WG571240
1,2,4-Trimethylbenzene	mg/l	0.0282	0.0278	113.	62-141	1.56	20	L552106-10	WG571240
1,2-Dibromo-3-Chloropropane	mg/l	0.0304	0.0265	122.	55-148	13.8	22	L552106-10	WG571240
1,2-Dibromoethane	mg/l	0.0271	0.0256	108.	71-129	5.75	20	L552106-10	WG571240
1,2-Dichlorobenzene	mg/l	0.0255	0.0246	102.	75-125	3.57	20	L552106-10	WG571240
1,2-Dichloroethane	mg/l	0.0248	0.0235	99.0	59-135	5.26	20	L552106-10	WG571240
1,2-Dichloropropane	mg/l	0.0242	0.0232	96.8	68-126	3.97	20	L552106-10	WG571240
1,3,5-Trimethylbenzene	mg/l	0.0281	0.0277	112.	67-136	1.26	20	L552106-10	WG571240

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Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
1,3-Dichlorobenzene	mg/l	0.0273	0.0268	109.	69-131	1.69	20	L552106-10	WG571240
1,3-Dichloropropane	mg/l	0.0255	0.0239	102.	70-122	6.52	20	L552106-10	WG571240
1,4-Dichlorobenzene	mg/l	0.0249	0.0244	99.4	70-123	1.90	20	L552106-10	WG571240
2,2-Dichloropropane	mg/l	0.0271	0.0269	108.	51-141	0.930	20	L552106-10	WG571240
2-Butanone (MEK)	mg/l	0.125	0.100	100.	51-149	22.1*	22	L552106-10	WG571240
2-Chloroethyl vinyl ether	mg/l	0.000778	0.000705	0.622*	10-161	9.85	40	L552106-10	WG571240
2-Chlorotoluene	mg/l	0.0265	0.0258	106.	65-133	2.65	20	L552106-10	WG571240
4-Chlorotoluene	mg/l	0.0270	0.0267	108.	67-129	0.910	20	L552106-10	WG571240
4-Methyl-2-pentanone (MIBK)	mg/l	0.146	0.123	117.	53-154	17.0	21	L552106-10	WG571240
Acetone	mg/l	0.106	0.0691	85.0	34-146	42.4*	22	L552106-10	WG571240
Acrolein	mg/l	0.122	0.122	97.6	10-189	0.260	30	L552106-10	WG571240
Acrylonitrile	mg/l	0.124	0.0975	99.4	49-162	24.2*	20	L552106-10	WG571240
Benzene	mg/l	0.0237	0.0236	94.6	51-134	0.150	20	L552106-10	WG571240
Bromobenzene	mg/l	0.0255	0.0250	102.	64-130	1.98	20	L552106-10	WG571240
Bromodichloromethane	mg/l	0.0270	0.0256	108.	67-132	5.37	20	L552106-10	WG571240
Bromoform	mg/l	0.0316	0.0295	126.	59-137	6.68	20	L552106-10	WG571240
Bromomethane	mg/l	0.0263	0.0262	105.	23-177	0.0500	21	L552106-10	WG571240
Carbon tetrachloride	mg/l	0.0266	0.0267	106.	49-140	0.380	20	L552106-10	WG571240
Chlorobenzene	mg/l	0.0259	0.0256	104.	69-126	1.02	20	L552106-10	WG571240
Chlorodibromomethane	mg/l	0.0295	0.0280	118.	68-130	5.27	20	L552106-10	WG571240
Chloroethane	mg/l	0.0237	0.0232	95.0	32-177	2.25	21	L552106-10	WG571240
Chloroform	mg/l	0.0253	0.0247	101.	64-130	2.30	20	L552106-10	WG571240
Chloromethane	mg/l	0.0225	0.0221	89.8	27-155	1.69	20	L552106-10	WG571240
cis-1,2-Dichloroethene	mg/l	0.0248	0.0242	99.1	54-137	2.58	20	L552106-10	WG571240
cis-1,3-Dichloropropene	mg/l	0.0256	0.0246	102.	63-127	3.63	20	L552106-10	WG571240
Di-isopropyl ether	mg/l	0.0246	0.0235	98.3	58-133	4.31	20	L552106-10	WG571240
Dibromomethane	mg/l	0.0271	0.0253	108.	68-131	6.91	20	L552106-10	WG571240
Dichlorodifluoromethane	mg/l	0.0260	0.0257	104.	16-188	1.09	22	L552106-10	WG571240
Ethylbenzene	mg/l	0.0268	0.0272	107.	64-135	1.39	20	L552106-10	WG571240
Hexachloro-1,3-butadiene	mg/l	0.0244	0.0246	97.7	64-140	0.860	20	L552106-10	WG571240
Isopropylbenzene	mg/l	0.0305	0.0307	122.	62-134	0.560	20	L552106-10	WG571240
Methyl tert-butyl ether	mg/l	0.0268	0.0252	107.	55-136	6.29	20	L552106-10	WG571240
Methylene Chloride	mg/l	0.0262	0.0253	105.	52-130	3.54	20	L552106-10	WG571240
n-Butylbenzene	mg/l	0.0265	0.0264	106.	62-142	0.290	20	L552106-10	WG571240
n-Propylbenzene	mg/l	0.0269	0.0270	108.	62-137	0.500	20	L552106-10	WG571240
Naphthalene	mg/l	0.0275	0.0251	110.	65-140	9.09	20	L552106-10	WG571240
p-Isopropyltoluene	mg/l	0.0295	0.0294	118.	64-142	0.370	20	L552106-10	WG571240
sec-Butylbenzene	mg/l	0.0284	0.0282	114.	67-139	0.640	20	L552106-10	WG571240
Styrene	mg/l	0.0288	0.0285	115.	58-152	0.800	20	L552106-10	WG571240
tert-Butylbenzene	mg/l	0.0284	0.0285	114.	66-139	0.370	20	L552106-10	WG571240
Tetrachloroethene	mg/l	0.0261	0.0264	104.	56-139	0.910	20	L552106-10	WG571240
Toluene	mg/l	0.0255	0.0255	102.	61-126	0.100	20	L552106-10	WG571240
trans-1,2-Dichloroethene	mg/l	0.0254	0.0255	102.	45-137	0.250	20	L552106-10	WG571240
trans-1,3-Dichloropropene	mg/l	0.0258	0.0244	103.	59-130	5.44	20	L552106-10	WG571240
Trichloroethene	mg/l	0.0289	0.0288	100.	40-155	0.350	20	L552106-10	WG571240
Trichlorofluoromethane	mg/l	0.0196	0.0191	78.5	35-177	2.92	23	L552106-10	WG571240
Vinyl chloride	mg/l	0.0250	0.0247	100.	32-159	1.13	21	L552106-10	WG571240
Xylenes, Total	mg/l	0.0816	0.0822	109.	64-133	0.670	20	L552106-10	WG571240
4-Bromofluorobenzene				105.8	82-120				WG571240
Dibromofluoromethane				99.34	82-126				WG571240
Toluene-d8				103.9	92-112				WG571240
Gasoline Range Organics-NWTPH	mg/l	5.73	5.98	104.	58-122	4.26	20	L552679-01	WG571153
a,a,a-Trifluorotoluene(FID)				102.8	62-128				WG571153
Gasoline Range Organics-NWTPH	mg/l	6.34	6.06	115.	58-122	4.50	20	L552817-04	WG571332
a,a,a-Trifluorotoluene(FID)				109.4	62-128				WG571332

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Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Mercury, Dissolved	mg/l	0.00280	0.00281	93.3	70-130	0.357	20	L552817-01	WG571541
Arsenic, Dissolved	mg/l	1.16	1.15	99.9	75-125	0.866	20	L552817-04	WG571413
Barium, Dissolved	mg/l	1.14	1.13	97.2	75-125	0.881	20	L552817-04	WG571413
Cadmium, Dissolved	mg/l	1.12	1.11	99.1	75-125	0.897	20	L552817-04	WG571413
Chromium, Dissolved	mg/l	1.14	1.13	101.	75-125	0.881	20	L552817-04	WG571413
Lead, Dissolved	mg/l	1.15	1.14	102.	75-125	0.873	20	L552817-04	WG571413
Selenium, Dissolved	mg/l	1.09	1.07	96.5	75-125	1.85	20	L552817-04	WG571413
Silver, Dissolved	mg/l	0.0485	0.0429	4.29*	75-125	12.3	20	L552817-04	WG571413
Nitrate-Nitrite	mg/l	6.72	6.81	98.4	80-120	1.33	20	L552555-01	WG571934
Ammonia Nitrogen	mg/l	5.98	5.54	115.*	90-110	7.64	20	L552929-03	WG572234

Batch number /Run number / Sample number cross reference

WG571240: R1976114: L552817-01 02 03 04 05 06 07
 WG571153: R1977352: L552817-01 02 03
 WG571254: R1977913: L552817-01 02 03 04 05 06
 WG571288: R1979114: L552817-02 03 04 05 06
 WG571332: R1979552: L552817-04 05 06
 WG571541: R1980014: L552817-01 02 03 04 05 06
 WG571413: R1980238: L552817-01 02 03 04 05 06
 WG571257: R1982452: L552817-01 02 03 04 05 06
 WG571934: R1983813: L552817-01 02 03 04 05 06
 WG572234: R1984692: L552817-01 02 03 04 05 06
 WG571920: R1985412: L552817-01

* * Calculations are performed prior to rounding of reported values.
 * Performance of this Analyte is outside of established criteria.
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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 B
Groundwater Data Validation Reports

SIMPLOT GROWER SOLUTIONS
SUNNYSIDE, WASHINGTON SITE

DATA VALIDATION REPORT FOR 2011 Q-1 GROUNDWATER SAMPLING EVENT

INTRODUCTION

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on March 17, 2011. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the *Monitoring Well Construction and Sampling Work Plan* (HDR, December 2010). The laboratory data report and QA/QC data are included with this validation 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 March 17, 2011. 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:

- 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 MWTPHDX
- Residual Range Organics – Method NWTPHDX
- Volatile Organics – Method 8260B
- Polynuclear Aromatic Hydrocarbons – Method 8270C-SIM
- Herbicides – Method 8151

HOLDING TIMES

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

- The holding time for herbicides EPA Method 8151 is 7 days. Samples MW-5 and MW-6 (a field duplicate for MW-5) were analyzed in 8 days.

DETECTION LIMIT

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

- Ammonia Nitrogen (Method 350.1) – 1 to 100
- Nitrate-Nitrite (Method 353.2) – 1 to 100
- Mercury (Method 7470A) – 1
- Metals (Method 6010B) – 1
- Gasoline Range Organics (Method NWTPHGX) – 1
- Diesel and Residual Range Organics (Method MWTPHDX) – 1.3
- Volatile Organics (Method 8260B) – 1 to 5
- 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. The following surrogate recoveries exceeded control limits:

- Surrogate recovery values were below control limits for 2,4-Dichlorophenyl Acetic Acid (Herbicides, Method 8151) for all seven water samples analyzed. An additional QC Qualifier is present in the laboratory report for samples MW-2, MW-3, and MW-4 for herbicide constituents that reads, “The associated surrogate compound falls below 10%. The data should be used with caution. A re-extraction was not possible due to limited sample volume.”
- A surrogate recovery value was above control limits for o-Terphenyl (Diesel Range Organics, Method NWTPHDX) for the sample MW-5.

- A surrogate recovery value was below control limits for p-Terphenyl-d14 (Polynuclear Aromatic Hydrocarbons, Method 8270C-SIM) for the sample MW-6 (a field duplicate collected from MW-5).

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 outside of acceptance limits for the following:

- 4-Methyl-2-pentanone (MIBK) recovery in batch WG527090 was 144 percent for the laboratory control sample. Limits are 60 – 142 percent.
- Acetone recovery in batch WG527090 was 136 percent for the laboratory control sample. Limits are 48 – 134 percent.
- Acrylonitrile recovery in batch WG527090 was 153 percent for the laboratory control sample and 151 percent for the laboratory control sample duplicate. Limits are 60 – 140 percent.

All relative percent differences for the laboratory control sample duplicate were below limits.

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

A matrix spike and matrix spike duplicate were performed on random laboratory samples. The following recoveries were outside limits:

- The matrix spike and matrix spike duplicate recoveries for trichloroethene were both 0 percent in batch WG527090. Limits are 18 – 163 percent.
- The matrix spike and matrix spike duplicate recoveries for silver were 65.5 percent and 66.0 percent, respectively, in batch WG527408. They were 14.7 percent and 14.2 percent, respectively, in batch WG527255. Limits are 75 – 125 percent.
- The matrix spike recovery for ammonia-nitrogen was 114 percent in batch WG527366. Limits are 90 – 110 percent.

All relative percent differences for the matrix spike duplicate were below limits.

DUPLICATE FIELD SAMPLE

A duplicate sample was secured for monitoring well MW-5 (Duplicate: MW-6). 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 (March 17, 2011)

Detected Compound	MW-5 (mg/L)	DUPLICATE (mg/L)	RPD
1,2,3-Trimethylbenzene	0.024	0.024	0.0
1,2,4-Trimethylbenzene	0.082	0.081	1.2
1,2-Dichloroethane	0.18	0.18	0.0
1,2-Dichloropropane	0.012	0.014	15.4
1,3,5-Trimethylbenzene	0.024	0.023	4.3
1-Methylnaphthalene	0.0044	0.0040	9.5
2-Methylnaphthalene	0.0061	0.0054	12.2
Ammonia-Nitrogen	860	750	13.7
Arsenic (Dissolved)	0.074	0.077	4.0
Barium (Dissolved)	0.12	0.13	8.0
Benzene	0.18	0.19	5.4
Chlorobenzene	0.0056	0.0055	1.8
Diesel Range Organics	1.5	1.5	0.0
Dinoseb	0.0088	0.0072	20.0
Gasoline Range Organics - NWTPH	1.5	1.3	14.3
Lead (Dissolved)	0.0074	0.013	54.9
Naphthalene	0.026	0.023	12.2
Nitrate-Nitrogen	530	640	18.8
n-Propylbenzene	0.0068	0.0068	0.0
Xylenes, Total	0.25	0.25	0.0

RPD = $[(MW-5 - MW-6) / \text{mean}(MW-5, MW-6)] \times 100$

SIMPLOT GROWER SOLUTIONS
SUNNYSIDE, WASHINGTON SITE

DATA VALIDATION REPORT FOR 2011 Q-2 GROUNDWATER SAMPLING EVENT

INTRODUCTION

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on June 30, 2011. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the *Monitoring Well Construction and Sampling Work Plan* (HDR, December 2010). The laboratory data report and QA/QC data are included with this validation 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 June 30, 2011. 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:

- 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 MWTPHDX
- Residual Range Organics – Method NWTPHDX
- Volatile Organics – Method 8260B
- Polynuclear Aromatic Hydrocarbons – Method 8270C-SIM
- Herbicides – Method 8151

HOLDING TIMES

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

- The holding time for Total Petroleum Hydrocarbon Method NWTPHDX (diesel range organics and residual range organics) is 7 days. All samples were analyzed in 12 days.

DETECTION LIMIT

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

- Ammonia Nitrogen (Method 350.1) – 1 to 100
- Nitrate-Nitrite (Method 353.2) – 1 to 100
- Mercury (Method 7470A) – 1
- Metals (Method 6010B) – 1
- Gasoline Range Organics (Method NWTPHGX) – 1
- Diesel and Residual Range Organics (Method MWTPHDX) – 1
- Volatile Organics (Method 8260B) – 1 to 5
- 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. The following surrogate recoveries exceeded control limits:

- Surrogate recovery values were below control limits for p-Terphenyl-d14 (Polynuclear Aromatic Hydrocarbons, Method 8270) for samples MW-5 and MW-6 (a field duplicate for monitoring well MW-5).

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 all reported within acceptance limits. In addition, all relative percent differences for the laboratory control sample duplicate were below limits.

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

A matrix spike and matrix spike duplicate were performed on random laboratory samples. The following recoveries were outside limits:

- The matrix spike and matrix spike duplicate recoveries for silver were 44.1 percent and 38.4 percent, respectively (batch WG544204). Limits are 75 to 125 percent.
- The relative percent difference between recoveries for the matrix spike and matrix spike duplicate of 2-Chloroethyl vinyl ether (batch WG543960) was 200 percent. The acceptable limit is 75 percent.

DUPLICATE FIELD SAMPLE

A duplicate sample was secured for monitoring well MW-5 (Duplicate: MW-6). 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 (June 30, 2011)

Detected Compound	MW-5 (mg/L)	DUPLICATE (mg/L)	RPD
1,2,3-Trimethylbenzene	0.020	0.018	10.5
1,2,4-Trimethylbenzene	0.068	0.062	9.2
1,2-Dichloroethane	0.11	0.10	9.5
1,2-Dichloropropane	0.0091	0.0066	31.8
1,3,5-Trimethylbenzene	0.021	0.020	4.9
1-Methylnaphthalene	0.0030	0.0030	0.0
2-Methylnaphthalene	0.0040	0.0041	2.5
Ammonia-Nitrogen	480	540	11.8
Arsenic (Dissolved)	0.18	0.19	5.4
Barium (Dissolved)	0.04	0.081	67.8
Benzene	0.16	0.14	13.3
Cadmium	0.0061	0.0076	21.9
Chlorobenzene	0.0055	<0.005	N/A
Dicamba	0.0086	0.0087	1.2
Diesel Range Organics	1.4	1.1	24.0
Dinoseb	0.0094	0.0088	6.6
Gasoline Range Organics - NWTPH	1.5	1.3	14.3
Naphthalene	0.016	0.016	0.0
Nitrate-Nitrogen	200	240	18.2
n-Propylbenzene	0.0072	0.0066	8.7
Xylenes, Total	0.20	0.18	10.5

$$RPD = [MW-5 - MW-6] / [\text{mean}(MW-5, MW-6)] \times 100$$

SIMPLOT GROWER SOLUTIONS
SUNNYSIDE, WASHINGTON SITE

DATA VALIDATION REPORT FOR 2011 Q-3 GROUNDWATER SAMPLING EVENT

INTRODUCTION

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on September 15, 2011. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the *Monitoring Well Construction and Sampling Work Plan* (HDR, December 2010). The laboratory data report and QA/QC data are included with this validation 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 September 15, 2011. 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:

- 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 MWTPHDX
- Residual Range Organics – Method NWTPHDX
- Volatile Organics – Method 8260B
- Polynuclear Aromatic Hydrocarbons – Method 8270C-SIM
- Herbicides – Method 8151

HOLDING TIMES

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

- The holding time for Chlorinated Herbicides (EPA Method 8151) is 7 days. The MW-5 sample was analyzed in 8 days. The MW-6 sample (a field duplicate for MW-5) was analyzed in 12 days.

DETECTION LIMIT

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

- Ammonia Nitrogen (Method 350.1) – 1 to 50
- Nitrate-Nitrite (Method 353.2) – 1 to 40
- Mercury (Method 7470A) – 1
- Metals (Method 6010B) – 1
- Gasoline Range Organics (Method NWTPHGX) – 1
- Diesel and Residual Range Organics (Method MWTPHDX) – 1
- Volatile Organics (Method 8260B) – 1
- Polynuclear Aromatic Hydrocarbons (Method 8270C-SIM) – 1
- Herbicides (Method 8151) – 1 to 5

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 all reported within acceptance limits.

The following relative percent differences for the laboratory control sample duplicate exceeded limits:

- The relative percent difference for Residual Range Organics for the laboratory control sample and duplicate was 22.2 percent. The limit is 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

A matrix spike and matrix spike duplicate were performed on random laboratory samples. The following recoveries were outside limits:

- The matrix spike and matrix spike duplicate recoveries for ammonia nitrogen were each 0 percent (batch WG556597). Limits are 90 to 100 percent.
- The matrix spike and matrix spike duplicate recoveries for silver were 3.90 percent and 3.89 percent, respectively (batch WG556285). Similarly, the matrix spike and matrix spike duplicate recoveries for silver (batch WG556625) were 39.6 percent and 52.7 percent, respectively. Limits are 75 to 125 percent. The relative percent difference between recoveries for batch WG556625 was 28.4 percent. The limit is 20 percent.

DUPLICATE FIELD SAMPLE

A duplicate sample was secured for monitoring well MW-5 (Duplicate: MW-6). 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 (September 15, 2011)

Detected Compound	MW-5 (mg/L)	DUPLICATE (mg/L)	RPD
1,2,3-Trimethylbenzene	0.012	0.014	15.4
1,2,4-Trimethylbenzene	0.048	0.053	9.9
1,2-Dichloroethane	0.082	0.087	5.9
1,2-Dichloropropane	0.0052	0.0057	9.2
1,3,5-Trimethylbenzene	0.015	0.017	12.5
1-Methylnaphthalene	0.0026	0.0025	3.9
2-Methylnaphthalene	0.0034	0.0032	6.1
2,4-D	0.030	0.022	30.8
Ammonia-Nitrogen	850	740	13.8
Arsenic (Dissolved)	0.16	0.18	11.8
Barium (Dissolved)	0.038	0.046	19.0
Benzene	0.077	0.084	8.7
Chlorobenzene	0.0035	0.0042	18.2
Dicamba	0.0091	0.0085	6.8
Diesel Range Organics	0.61	0.88	36.2
Dinoseb	0.0098	0.010	2.0
Ethylbenzene	0.0011	0.0012	8.7
Gasoline Range Organics - NWTPH	0.86	0.84	2.4
Isopropylbenzene	0.0024	0.0028	15.4
Naphthalene	0.017	0.018	5.7
Nitrate-Nitrogen	310	260	17.5
n-Propylbenzene	0.0050	0.0056	11.3
Xylenes, Total	0.14	0.15	6.9

$$RPD = [MW-5 - MW-6] / [\text{mean}(MW-5, MW-6)] \times 100$$

SIMPLOT GROWER SOLUTIONS
SUNNYSIDE, WASHINGTON SITE

DATA VALIDATION REPORT FOR 2011 Q-4 GROUNDWATER SAMPLING EVENT

INTRODUCTION

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on December 16, 2011. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the *Monitoring Well Construction and Sampling Work Plan* (HDR, December 2010). The laboratory data report and QA/QC data are included with this validation 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 December 16, 2011. 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:

- 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 MWTPHDX
- Residual Range Organics – Method NWTPHDX
- Volatile Organics – Method 8260B
- Polynuclear Aromatic Hydrocarbons – Method 8270C-SIM
- Herbicides – Method 8151

HOLDING TIMES

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

- The holding time for Diesel Range Organics and Residual Range Organics (Method NWTPHDX) is 7 days. All samples were analyzed in 11 days.
- The holding time for Chlorinated Herbicides (EPA Method 8151) is 7 days. Sample MW-1 was analyzed in 13 days. Samples MW-5 and MW-6 were each analyzed in 10 days.

DETECTION LIMIT

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

- Ammonia Nitrogen (Method 350.1) – 1 to 40
- Nitrate-Nitrite (Method 353.2) – 1 to 40
- Mercury (Method 7470A) – 1
- Metals (Method 6010B) – 1
- Gasoline Range Organics (Method NWTPHGX) – 1
- Diesel and Residual Range Organics (Method MWTPHDX) – 1
- Volatile Organics (Method 8260B) – 1
- Polynuclear Aromatic Hydrocarbons (Method 8270C-SIM) – 1
- Herbicides (Method 8151) – 1 to 5

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 all reported within acceptance limits. In addition, relative percent differences for the laboratory control sample duplicate were within limits.

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

A matrix spike and matrix spike duplicate were performed on random laboratory samples. The following recoveries were outside limits:

- The matrix spike and matrix spike duplicate recoveries for 2-Chloroethyl vinyl ether were 0.564 percent and 0.622 percent, respectively (batch WG571240). The limits are 10 to 161 percent.
- The matrix spike and matrix spike duplicate recoveries for silver were 3.80 percent and 4.29 percent, respectively (batch WG571413). Limits are 75 to 125 percent.
- The matrix spike duplicate relative percent difference for 2-Butanone (MEK) was 22.1 percent (batch WG571240). The limit is 20 percent.
- The matrix spike duplicate relative percent difference for Acetone was 42.4 percent (batch WG571240). The limit is 22 percent.
- The matrix spike duplicate relative percent difference for Acrylonitrile was 24.2 percent (batch WG571240). The limit is 20 percent.
- The matrix spike duplicate recovery for Ammonia Nitrogen was 115 percent (batch WG572234). The limits are 90 to 110 percent.

DUPLICATE FIELD SAMPLE

A duplicate sample was secured for monitoring well MW-5 (Duplicate: MW-6). 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 (December 16, 2011)

Detected Compound	MW-5 (mg/L)	DUPLICATE (mg/L)	RPD
1,2,3-Trimethylbenzene	0.021	0.023	9.1
1,2,4-Trimethylbenzene	0.084	0.092	9.1
1,2-Dichloroethane	0.18	0.17	5.7
1,2-Dichloropropane	0.0093	0.0095	2.1
1,3,5-Trimethylbenzene	0.024	0.026	8.0
1-Methylnaphthalene	0.0039	0.0043	9.8
2-Chlorotoluene	0.0030	0.0029	3.4
2-Methylnaphthalene	0.0048	0.0055	13.6
2,4-D	0.036	0.026	32.3
Acrolein	0.068	0.084	21.1
Ammonia-Nitrogen	370	370	0.0
Arsenic (Dissolved)	0.23	0.23	0.0
Barium (Dissolved)	0.054	0.054	0.0
Benzene	0.14	0.14	0.0
Chlorobenzene	0.0042	0.0045	6.9
Diesel Range Organics	2.0	1.5	28.6
Ethylbenzene	0.0011	0.0014	24.0
Fluorene	0.000055	<0.00005	N/A
Gasoline Range Organics - NWTPH	1.8	1.7	5.7
Isopropylbenzene	0.0032	0.0038	17.1
Naphthalene	0.028	0.032	13.3
Nitrate-Nitrogen	290	300	3.4
Phenanthrene	0.00026	<0.00005	N/A
n-Propylbenzene	0.0071	0.0081	13.2
Pyrene	0.000053	<0.00005	N/A
Residual Range Organics	0.26	<0.25	N/A
Xylenes, Total	0.20	0.21	4.9

RPD = [MW-5 - MW-6]/[mean(MW-5,MW-6)] X 100