

# **Preliminary Site Investigation Report**

VCP ID No. CE0209  
Facility Site No. 76742139

## **Simplot Grower Solutions**

South 300 1<sup>st</sup> Street  
Sunnyside, Washington 98944

### **Prepared by:**

HDR Engineering, Inc.  
412 East Parkcenter Boulevard  
Suite 100  
Boise, Idaho 83706

**December 2009**

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DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

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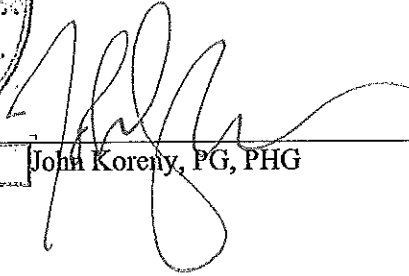
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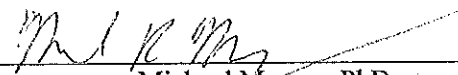
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December 2009



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## 1.0 Introduction

The purpose of this Preliminary Site Investigation Report is to describe the soil and groundwater investigation activities that were conducted on September 23 and 24, 2009, at the J.R. Simplot Company's (Simplot) Grower Solutions site at 300 South 1<sup>st</sup> Street in Sunnyside, Washington.

### 1.1 Background

On October 1, 2008, Simplot received an "Early Notice Letter" from the Washington Department of Ecology (Ecology) regarding the potential release of hazardous substances from Simplot's Grower Solutions facility at 300 South 1st Street, Sunnyside, Washington. Ecology encouraged Simplot to enter into a Voluntary Clean-up 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 1 block north of the Simplot facility (see 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. Approval for the Work Plan was received on July 7, 2009. Preliminary Site Investigation activities were conducted on September 23 and 24, 2009.

### 1.2 Simplot Grower Solutions Facility

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

A historic records review was performed for the Simplot Grower Solutions Sunnyside facility, and information was discovered back to 1965. Based on a 1965 historic topographic map, the Simplot site had one building and the site was outside the corporate city limits of Sunnyside (City). Historic aerial photographs were reviewed for 1973, 1982, 1990, 1996, and 2006 (see Work Plan for photographs) and are summarized in Table 1 below:

**Table 1. Summary of Historic Aerial Photographs**

Aerial Photograph*	Description
1973 (1:6000)	Rail track spur on north border of Simplot site. Two buildings on-site, a larger building near the railroad (office and warehouse), and a smaller building (shop) toward the center of the site.
1982 (1:12000)	Aerial resolution is poor and difficult to discern site features.

Aerial Photograph*	Description
1990 (1:12000)	Appears similar to 1973 photograph, one building (warehouse) on the north end of property and a smaller building toward the center of the site.
1996 (1:9000)	Consistent with 1973 photographs. A structure is present near the northeast corner of the site that corresponds to the current day above ground storage tanks. These tanks hold liquid fertilizer.
2006 (1:6420)	Corresponds with current day conditions (see Figure 2). Warehouse and office building shop, and tank farm.

\*See Work Plan appendices for historic aerial photographs

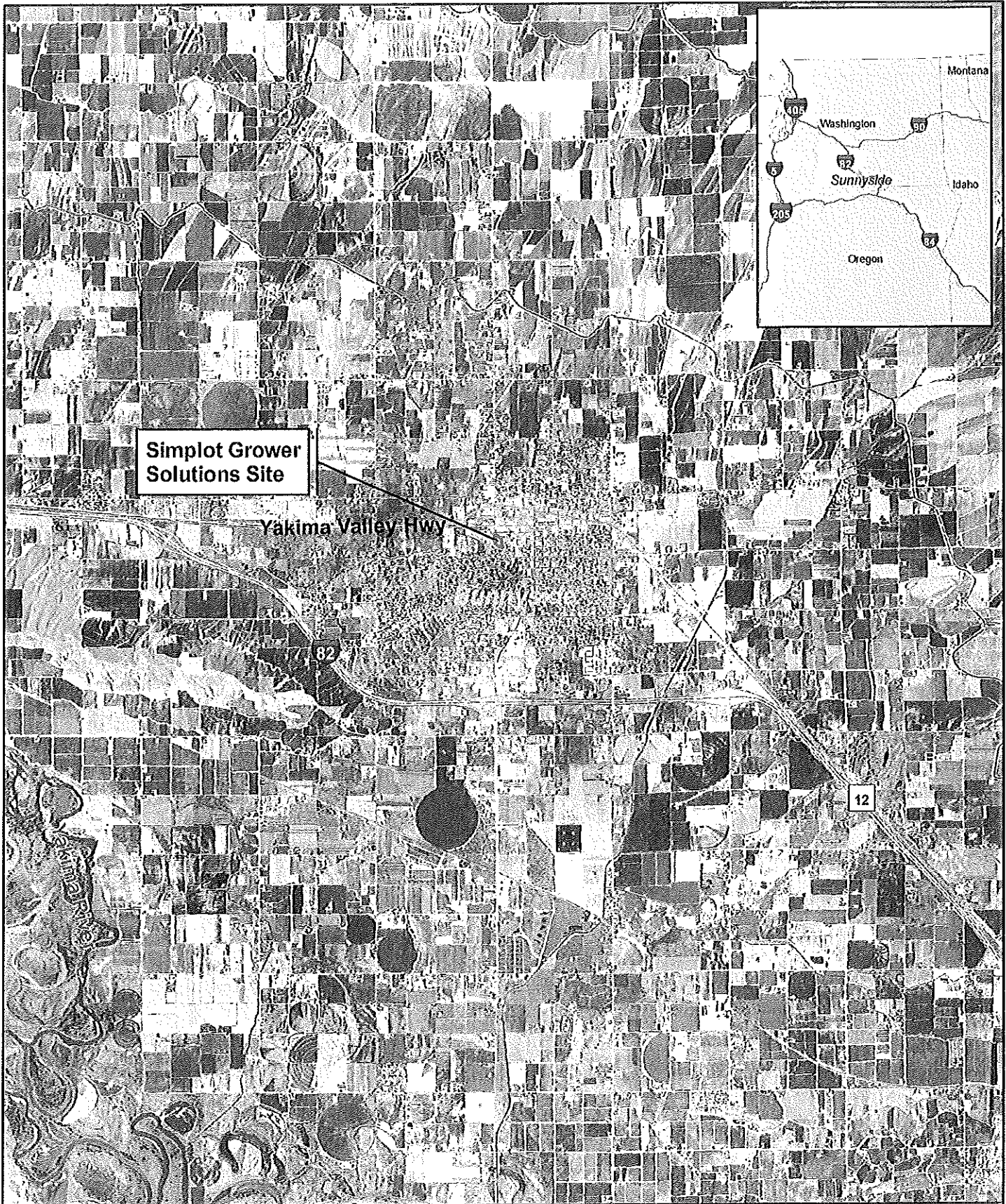
Based on these aerial photographs, the current day buildings have been in place since at least 1973.

Business directories including city, cross reference, and telephone directories were reviewed. According to these directories, Simplot Soilbuilders (the former name for Grower Solutions) was present at the site at least as early as 1968. The 1963 directories, the earliest directory available to HDR, did not have a listing for the address.

A computerized environmental information database search revealed that the Simplot site is listed in two environmental databases. The first database is the Confirmed and Suspected Contaminated Sites List maintained by Ecology. The database lists the site as having soil contamination for arsenic and metals. The information was last updated on May 14, 2009, and the status is currently awaiting a site hazard assessment. This listing is related to the "Early Notice Letter" sent by Ecology to Simplot in response to information provided by Stantec Consulting Corporation. In response to the notice, Simplot entered into the Voluntary Cleanup Program in May 2009 (VCP ID No. CE0209).

The other database in which the site is listed is the Resource Conservation and Recovery Act (RCRA) database for Conditionally Exempt Small Quantity Generators (CESQG). CESQGs generate less than 100 kilograms of hazardous waste, or less than 1 kilogram of acutely hazardous waste per month. The database listing for the Simplot site did not report any violations.

Based on a site visit and interviews with on-site personnel, the only building structures on-site have been the office/warehouse building and the shop, which is consistent with historic aerial photographs described above. The above ground storage tanks are used for liquid fertilizer storage. 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. This practice of rinsing equipment into the gravel ceased in the 1990s. The shop building is used for equipment repair and maintenance and has no floor drains. There are no known bulk fuel tanks on-site. There are no known wells on-site. Potable water is provided by the City. The presence of a septic drain field is unknown; though sewer services are provided by the City.



**Simplot Grower  
Solutions Site**

Yakima Valley Hwy

82

12

0 0.5 1 1.5  
Miles

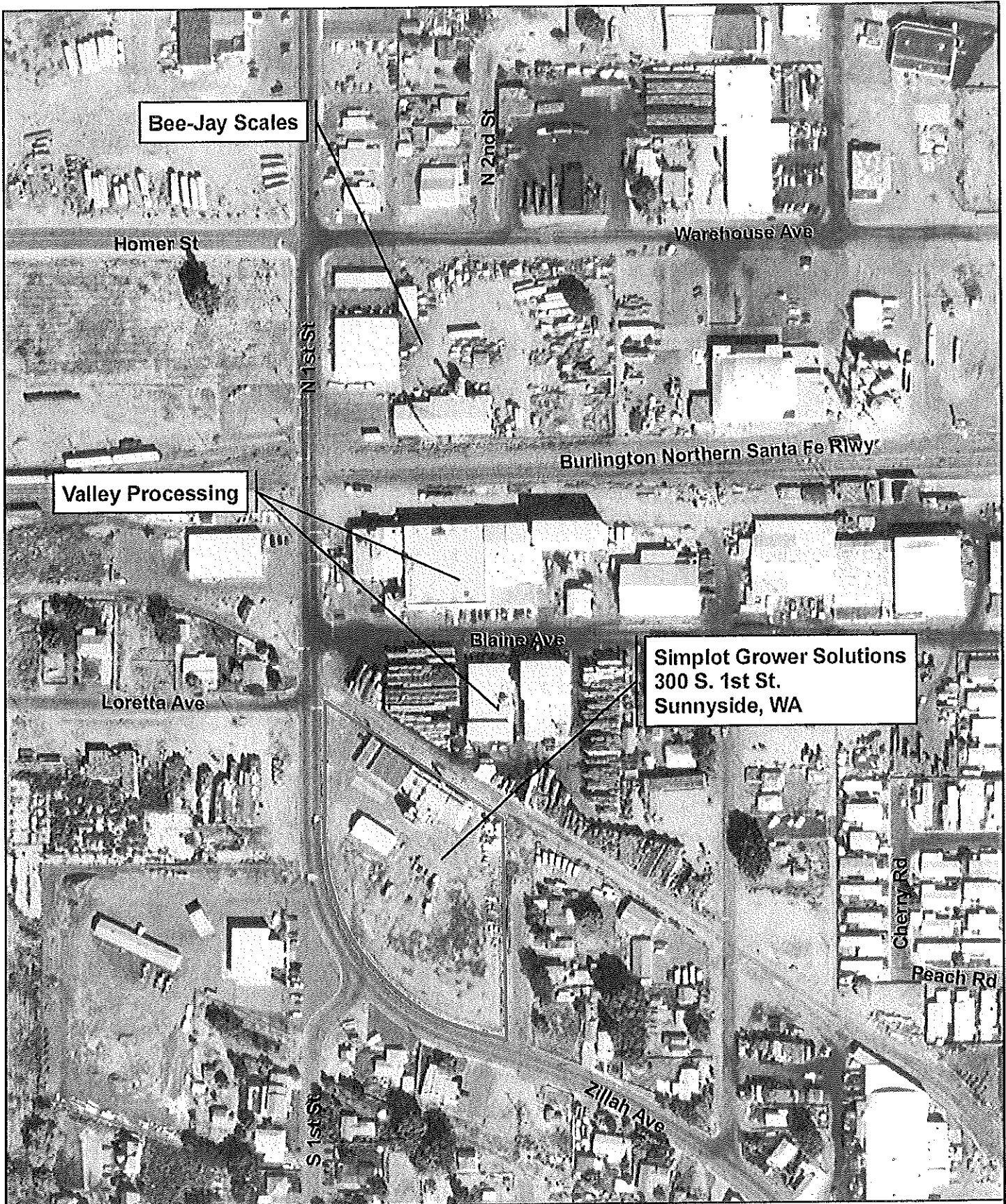
**Figure 1: Vicinity Map**  
**Simplot Grower Solutions, Sunnyside, WA**



Imagery: 2006 1 Meter NAIP  
Source: University of Washington

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

**FDR** | ONE COMPANY  
Many Solutions™



Bee-Jay Scales

Homer St

N 2nd St

Warehouse Ave

Burlington Northern Santa Fe Rlwy

Valley Processing

Blaine Ave

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

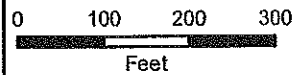
Loretta Ave

Cherry Rd

Peach Rd

S 1st St

Zillah Ave



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



Imagery: 2006 1 Meter NAIP  
Source: University of Washington

Map Date: Thursday, April 30, 2009  
Q:\Simplot\Sunnyside\map\_docs\SiteMap.mxd

**HDR** | ONE COMPANY  
Many Solutions™

### 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).

A historic records review was conducted of the general area around the Simplot site. This review included an environmental database search and reviews of historic topographic maps, historic aerial photographs, and city directories.

The database search included federal, state, local and tribal databases. A summary of the environmental database search is provided in Table 2. A full summary of the historic records search may be found in the Work Plan.

**Table 2. Summary of Environmental Database Search**

Database	Description	Facilities Listed	Database Search Distance (mi)
Federal			
CERCLIS/ CERCLIS- NFRAP	The CERCLIS database is a compilation of facilities that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. No Further Remedial Action Planned (NFRAP) refers to facilities that have been removed and archived from its inventory of CERCLA sites.	3	0.50
RCRA INFO	The RCRA INFO database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices.	6	0.50
RCRA NonGen	Facilities listed in RCRA INFO that do not presently generate hazardous waste.	3	0.25
State and Local			
CSCSL	Confirmed and Suspected Contaminated Sites List – equivalent to CERCLIS	23	1.00
CSCSL NFA	CSCSL No Further Action	3	0.50
LUST	Leaking underground storage tank incident reports	9	0.50
UST	Database of registered underground storage tanks locations	15	0.25
INST CONTROL	Sites that have institutional controls	2	0.50
ICR	Independent Cleanup Reports	11	0.50
VCP	Sites that have entered either the Voluntary Cleanup Program	2	0.50
WA MANIFEST	Hazardous waste manifest data	4	0.25

Based on work by Stantec at the Bee-Jay Scales site, groundwater flow direction is toward the southeast or east. Most sites reported in the environmental database search are east of the Simplot site and expected to be hydraulically down-gradient. The Bee-Jay Scales site is north of the Simplot facility, and given the southeast or east groundwater flow direction, is hydraulically cross-gradient. One site, the Pied Piper Muffler, located 0.6 miles west-northwest of the Simplot site, is listed in the CSCSL



database and experienced groundwater contamination by petroleum products in 2006. This site is awaiting a site hazard assessment.

#### 1.4 Area Setting

The Simplot site and the City of Sunnyside 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 sea level. The base of Snipes Mountain is located approximately 500 feet 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 four miles southwest of the Simplot site.

According to the National Oceanic and Atmospheric Administration, from 1950 to 1999, the City of Sunnyside 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. Minimum average temperatures occur in January, while maximum average temperatures occur in July. Table 3 summarizes precipitation and temperature averages for Sunnyside.

**Table 3. Summary of Climatological Characteristics for the City of Sunnyside**

Month	Avg Min Temp (°F)	Mean Temp (°F)	Avg Max Temp (°F)	Avg Precip (in)
January	23.9	31.8	39.7	0.93
February	28.2	38.2	48.2	0.60
March	32.8	45.2	57.7	0.49
April	38.2	52.1	66.0	0.51
May	45.8	60.3	74.7	0.50
June	52.3	67.1	82.0	0.46
July	55.6	72.5	89.5	0.19
August	54.0	71.2	88.3	0.24
September	46.8	63.5	80.1	0.41
October	37.4	52.2	67.0	0.53
November	30.9	40.8	50.7	0.87
December	25.6	33.0	40.5	1.00

Source: NOAA Earth System Research Laboratory; <http://www.cdc.noaa.gov/data/usstation/>

##### 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 possess moderately high to high hydraulic conductivity, moderate to high water capacity, and the depth to the water table for these soils is greater than 80 inches. The Cleman soils are well drained, while the Outlook soils are somewhat poorly drained. The remaining mapped soils in the area are Warden fine sandy loams of varying slopes.

Borings conducted in September 2009 revealed that site lithology includes predominantly brown clayey silt. Boring lithology is summarized further in Section 3.1.

##### 1.4.2 Groundwater Conditions

A search of well logs was conducted within a quarter-mile of the Simplot site to gage groundwater conditions in the area, including depth to groundwater and soil lithology. Table 4 summarizes the well log search. Seven wells were found within ¼ mile of the Simplot site – three east of the site, one northwest of the site, and three southeast of the

site. Static groundwater depth in the area ranged 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.

**Table 4. Summary of Select Driller Logs in General Vicinity of Simplot Site**

Owner	Well Reference	Legal Description	Distance and Direction from Simplot Site	Static Groundwater Depth (feet)	Description
Cascade Natural Gas Corp	MW#9	SWNW, S25, T10N, R22E	0.3 miles, E	8 ft	Silty sand, dark brown Saturated below 0-17 ft 7 ft
Cascade Natural Gas Corp	MW#10	SWNW, S25, T10N, R22E	0.3 miles, E	8 ft	Silty sand, dark brown Saturated below 0-15 ft 7 ft
Cascade Natural Gas Corp	MW#11	SWNW, S25, T10N, R22E	0.3 miles, E	8 ft	Silty sand, dark brown Saturated below 0-15 ft 7 ft
City of Sunnyside	Geotech Soil Boring B-12	NENE, S26, T10N, R22E	0.2 miles, NW	6 ft	Silty sand 0-12.5 ft
Powell Christianson	RW-4	NWNW, S25, T10N, R22E	0.2 miles, SE	12 ft	Asphalt Red Brick Sandy Clay Sand 0-4 in 4-18 in 1.5-10 ft 10-20 ft
Powell Christianson	RW-1	NWNW, S25, T10N, R22E	0.25 miles, SE	12 ft	Asphalt Gravel Sandy Soil Sand Silty Sand Silty Sand, Trace Gravel 0-3 in 3-4 in 4-7.5 in 7.5 in-11 ft 11-19 ft 19-20 ft
Powell Christianson	MW-5	NWNW, S25, T10N, R22E	0.25 miles, SE	12 ft	Asphalt Gravel Sandy Soil Brown Sandy Loam Gray Clay 0-4 in 4-18 in 1.5-10 ft 10-16.5 ft 16.5-20.5 ft

In spring 2007, Stantec conducted off-site groundwater investigations to further assess the extent of groundwater impacts associated with the Bee-Jay Scales site. Activities were conducted using a Geo-Probe hydraulic push probe to collect soil and groundwater samples.

One boring, OP-VP-011, was advanced along the east fence line of the Simplot site. This boring is cross gradient or down gradient of the Bee-Jay Scales site based on groundwater contour maps developed by Stantec even though the investigation by Stantec was for assessing downgradient groundwater. The boring consisted of four inches of gravel base, followed by approximately 10 feet of reddish brown silt with low plasticity. The silt was soft and damp, but did not contain staining. From 10 to 14 feet, the soil was brown-olive silt, with approximately 30 percent fine sand and saturated. The silt was soft and moist, with low plasticity, and did not contain staining. From 14 to 18 feet, the soil was very dark brown silt, with approximately 30 percent fine sand. The silt was soft and saturated, with low plasticity, and did not contain staining. From 18 to 20 feet, the soil was dark brown sand. The sand was loose, wet, and fine grained. The sand contained approximately 40 percent silt, and did not contain staining. The boring was terminated at 20 feet, and groundwater was encountered at approximately 9.5 feet.

Water samples were collected from boring OP-VP-011 at 10 and 20 feet below ground surface, and were analyzed for arsenic, alkalinity, chloride, nitrate-N, ammonia-N, phosphate, sulfate, herbicides, manganese, pH, and volatile organic compounds (VOCs). Constituents that exceeded Washington's Model Toxics Control Act (MTCA) Method B Cleanup Levels (CULs) or the U.S. Environmental Protection Agency's (EPA) secondary Maximum Contaminant Levels (MCLs) included (see Work Plan for list of analytes and concentrations):

- Nitrate-N
- Sulfate
- Chloride
- 1,2 dichloroethane
- 1,2 dichloropropane
- Arsenic
- Benzene
- Dinoseb

In addition, ammonium-N was quantified at 1,050 mg/L in the 10-foot sample and 302 mg/L in the 20-foot sample.

Based on the information provided by Stantec, Ecology developed the "Early Notice Letter" to Simplot indicating that there was sufficient evidence to suggest that "fertilizer contamination (e.g. nitrates and ammonia)" is coming from the Simplot facility.

Preliminary Site Investigation activities conducted at the Simplot site in September 2009 revealed groundwater at a depth of approximately 4 to 8 feet. Soil lithology and groundwater conditions encountered during these activities are further summarized in Section 3 of this report.

## **2.0 Preliminary Site Investigation Activities**

### **2.1 Data Objectives and Needs**

The objective of preliminary investigation activities was to determine whether contamination is present in onsite soils and/or groundwater beneath the site, and if so, to characterize the nature of the contaminants. Soil and groundwater samples were tested for chemicals of concern using appropriate EPA or State methodology by a qualified laboratory.

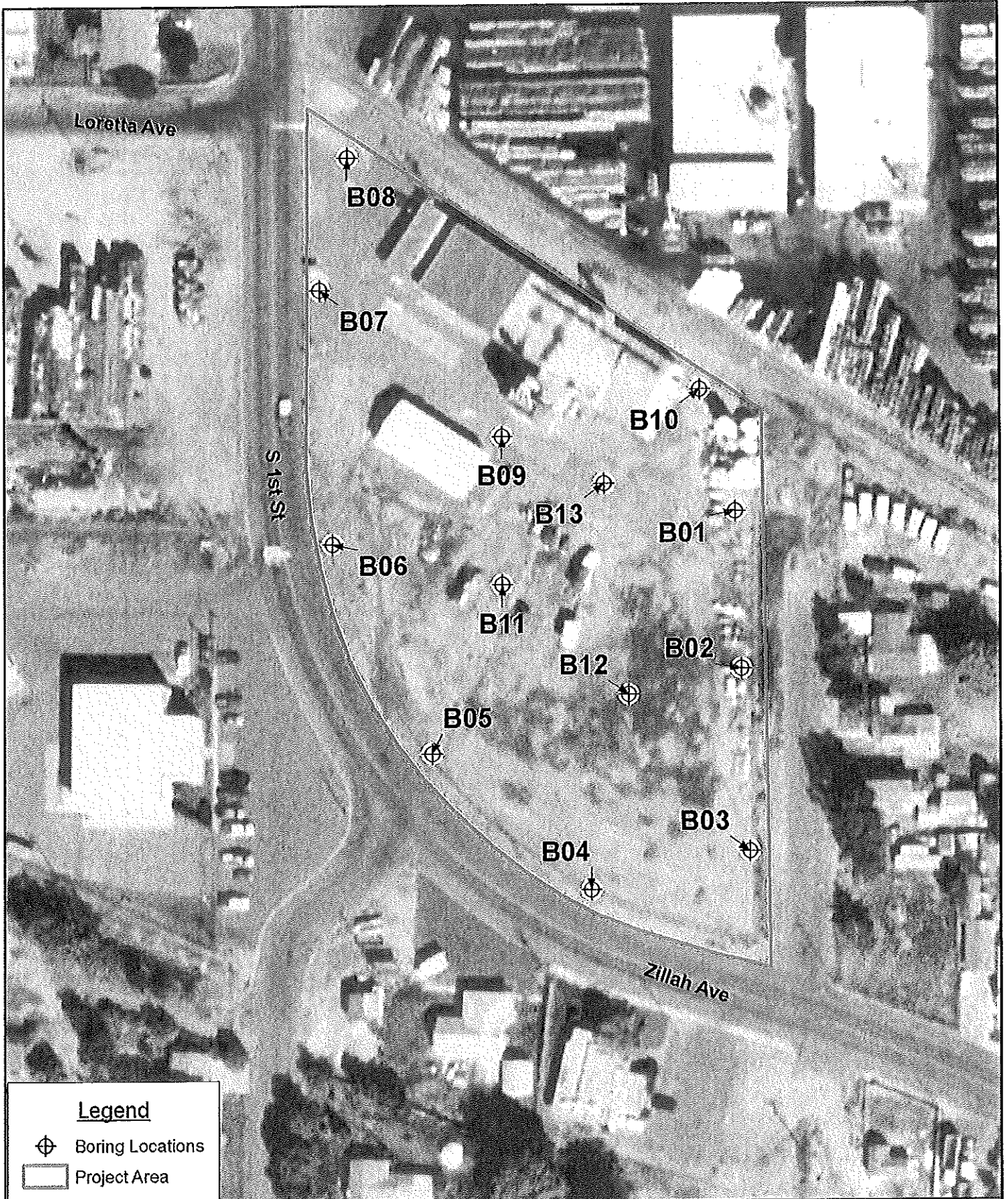
As discussed in Section 1.4.2, Stantec sampled groundwater in a boring on the east side of the Simplot site in spring 2007. These groundwater samples were analyzed for arsenic, alkalinity, chloride, nitrate-N, ammonia-N, phosphate, sulfate, herbicides, manganese, pH, and VOCs. Based on the results of this sampling, potential contaminants of concern for the site included nitrate-N, sulfate, chloride, 1,2-dichloroethane, 1,2-dichloropropane, arsenic, benzene, Dinoseb, and ammonia-N. Soil and groundwater samples were collected by GeoProbe sampling following the Standard Operating Procedure presented in the Work Plan.

### **2.2 On-Site Investigation Activities**

To characterize soil and groundwater quality, soil and groundwater samples were collected using a GeoProbe system. The GeoProbe operates using a truck-mounted hydraulic push probe that collects undisturbed soil cores. The GeoProbe is often a preferred method for subsurface sampling due to the relatively small hole created (2 inches in diameter) and the small amount of waste produced. Furthermore, the GeoProbe can collect both soil and groundwater samples in the same boring. While the GeoProbe can be advanced through soils it is not able to penetrate bedrock and sometimes can reach refusal in gravel/cobble lithology.

In all, 13 borings were drilled with the GeoProbe between September 23 and 24, 2009. In general, boring locations were consistent with those proposed in the Work Plan, but the exact location of each boring was determined in the field following consultation with the site manager, review of utility locations, and consideration of personnel safety and facility operations. Figure 3 illustrates boring locations. Nine borings occurred along the east, south, and west perimeter of the Simplot site. Four borings were located within the site's interior. The boring locations support an assessment of up and downgradient groundwater quality conditions (assuming groundwater flow is either easterly or southeasterly) and provide information on soil and groundwater quality for locations where industrial activities have occurred including the former rinsate area near the east edge of the property.

Prior to advancing GeoProbe borings, Washington Utilities Coordinating Council (Call Before You Dig, 1-800-424-5555) located public utilities. HDR also contracted ULS, a utility location services company to confirm the presence of utilities in the area of proposed borings.



**Figure 3: Boring Locations**  
 Simplot Grower Solutions, Sunnyside, WA

Imagery: 2005 1 ft Resolution  
 Source: Yakima County

Map Date: Monday, November 9, 2009  
 Q:\Simplot\Sunnyside\map\_docs\WellLookup.mxd

### **2.2.1 On-Site Soil Investigation**

Two soil samples were collected from each boring location, where the first sample was collected near the surface and the second sample was collected near the soil/groundwater interface. This approach allowed for an assessment of constituents with depth and also enabled mapping of the thickness of the soil in the area. A total of 27 soil samples were collected, including one duplicate soil sample to assess variability. For each soil depth, the soil sample was placed into two jars, where one sample jar was sent to ESC Lab Sciences for organic and metal analyses and the other sample jar was sent to Kuo Laboratory for nitrogen analysis (see Section 2.2.4).

The Standard Operating Procedure (SOP) for GeoProbe sampling presented in the Work Plan was followed. Standard chain-of-custody procedures were followed from the time samples were collected until the samples arrived at the laboratory. Samples were immediately labeled and placed in a clean ice chest and chilled until delivery to the laboratory.

After sampling, borings were plugged with bentonite clay and then capped with either clay, concrete or asphalt depending upon the existing surface completion at each boring location. Soil cuttings were containerized. The container was labeled as to its contents, and included the date and the statement "Laboratory analysis pending". Once laboratory results were obtained, proper disposal of the containers was determined.

### **2.2.2 On-Site Groundwater Investigation**

After collection of soil samples, the GeoProbe system was used to collect groundwater grab samples in the same boring using a stainless steel screen and ¼-inch tubing equipped with a foot valve or peristaltic pump to convey water to the surface. The SOP for GeoProbe sampling in the Work Plan describes groundwater sampling procedures. Samples were collected within the upper 2 to 3 feet of the water table. At each sample location, the sample screen was purged by pumping approximately 2 liters of groundwater prior to sample collection. Purged water was containerized. The container was labeled as to its contents, and included the date and the statement "Laboratory analysis pending". Once laboratory results were obtained, proper disposal of the containers was determined.

Groundwater samples were collected in laboratory-supplied sampling bottles. Seventeen groundwater samples were collected, including one field duplicate, a rinsate sample, a field blank, and a trip blank from the laboratory.

### **2.2.3 Sample Identification Protocol**

Borings were labeled from B-1 through B-13. Samples were identified with the boring number, followed by "SU" for surface soil, "WT" for soil at the groundwater interface, and "GW" for groundwater. For example, a soil sample collected at borehole B-2 at the groundwater interface was labeled B2-WT. A groundwater sample collected at borehole B-4 was labeled B4-GW.

### **2.2.4 Laboratory Analyses**

As described above, one complete set of soil samples and all groundwater 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, RCRA, underground

storage tanks, and wastewater (Certificate #C1915). The second set of soil samples were sent to Kuo Testing Labs, Inc. of Othello, Washington for nitrate and ammonia analyses. Laboratory analyses conducted for soil and groundwater samples are summarized in Table 5.

**Table 5. Laboratory Analyses Conducted**

Analytical Parameter	Method	Preservative	Constituents of Concern Included	Media/Laboratory
Volatile Organic Compounds (VOCs) (full list)	EPA 8260B	Hydrochloric Acid (HCl) (Water Samples Only)	1,2-dichloroethane 1,2-dichloropropane	Water and Soil/ESC
Chlorinated Herbicides (full list)	EPA 8151	None	Dinoseb	Water and Soil/ESC
RCRA Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver)	EPA 6010B	Nitric Acid (HNO <sub>3</sub> ) (Water Samples Only)	Arsenic	Water and Soil/ESC
Inorganic Ions (Cl, SO <sub>4</sub> )	EPA 9056	None	Chloride Sulfate	Water/ESC
Nitrate-N	EPA 353.2	Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )	Nitrate-Nitrogen	Water/ESC
Nitrate-N	1N KCl Extraction	None	Nitrate-Nitrogen	Soil/Kuo
Ammonia-N	EPA 350.1	Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )	Ammonium-Nitrogen	Water/ESC
Ammonium-N	1N KCl Extraction	None	Ammonium-Nitrogen	Soil/Kuo

### 2.3 Quality Assurance and Quality Control

Table 6 summarizes Quality Assurance/Quality Control (QA/QC) field samples collected.

**Table 6. Quality Assurance and Quality Control Field Samples**

QA/QC Type	Number of Samples	Description
Duplicate	1 soil sample 1 groundwater sample	Duplicate is collected using the same sampling technique as the original sample.
Rinsate Decon	1 water rinsate sample	Collected during decontamination of equipment. After decontamination of probe has occurred, run distilled water over the probe and collect rinsate into appropriate sample bottles.
Field Sample Blank	1 water blank sample	Pour distilled water directly into appropriate sample bottles.
Trip Blank	1 trip blank	Water sample in sample bottle provided by laboratory and accompanies sample bottles.

In addition to the field QA/QC samples described in Table 6, ESC Lab Sciences followed appropriate laboratory QA/QC procedures as dictated by the EPA method and the laboratory's SOPs.

## **3.0 Sampling Results**

### **3.1 Model Toxics Control Act**

The MTCA Cleanup Regulation, chapter 173-340 WAC, sets forth the requirements and procedures for developing 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. The regulation allows for the establishment of soil cleanup levels based on two types of land use – unrestricted land use and industrial land use. Soil sampling results from the Preliminary Site Investigation were conservatively compared to cleanup levels for unrestricted land use. For unrestricted land use, the regulation provides two options for establishing soil cleanup levels – Method A and Method B. Method B cleanup levels are based on the reasonable maximum exposure expected to occur under residential land use conditions and may be used to establish soil cleanup levels at any site. Method B cleanup levels include those set for constituents as carcinogens and non-carcinogens. The most restrictive level of the two was chosen for comparison in this investigation.

The establishment of groundwater cleanup levels depends on the classification of groundwater under the regulation as either potable or nonpotable. The groundwater beneath the site is expected to be classified as potable. Method B may be used to establish cleanup levels for potable groundwater at any site.

### **3.2 Soil Lithology**

Boring logs included in Appendix A summarize soil lithology observed at each boring location. Eight of the borings included a layer of fill at the ground surface up to 2 feet deep. The subsurface soils were generally comprised of clayey silt for the majority of the boring depth, usually to approximately 12 feet below ground surface. The clayey silt was dark brown to brown, with a color change usually to gray at approximately 9 to 12 feet deep. The soil was generally dry to a depth of 2 to 3 feet, slightly moist from 2 to 5 feet, and wet from approximately 5 feet to the bottom of the boring.

Boring B8 included a lens of silty sand from 5 to 7.5 feet and then returned to clayey silt from 7.5 to 12 feet. Borings B11 and B12 included some white flakes in the upper 2 feet of the soil core.

Photographs of selected soil cores are presented in Appendix B.

A remedial investigation conducted at the Bee-Jay Scales site from 2003 to 2007 revealed similar lithology. According to a *2006 Interim Remedial Measures Completion Report for the Bee-Jay Scales Site* (Secor, December 2007), soils encountered during injection well installation were generally moist silts containing some fine sands. Monitoring well sampling conducted from summer 2003 to fall 2007 encountered groundwater at depths ranging from 6.2 to 11.8 feet below well casing. Monitoring wells installed in 2007 contained screens at a depth of 7 to 12 feet.

### **3.3 Soil Sample Results**

Two soil samples were collected at each boring location – one near the ground surface, and another near the groundwater interface. Twenty-six soil samples were collected (plus one field duplicate, which is discussed further in the validation report, Appendix D)



and analyzed for VOCs (Table 7), metals (Table 8), herbicides (Table 9), and ammonia and nitrate (Table 10). Laboratory reports are presented in Appendix C.

Most soil samples were below detection limit (BDL) for VOCs. Compounds detected in one or more soil sample included benzene, 1,2-dichloropropane, naphthalene, 1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes. No VOC detections in soil samples exceeded MTCA Method B CULs as obtained from the Cleanup Levels and Risk Calculation (CLARC) tool, a searchable database developed and maintained by Ecology.

Soil samples collected from each boring contained detectable levels of at least four of the eight metals analyzed. Table 8 summarizes metals results for soil samples. Soil samples from Borings B7 through B12 exceeded CULs for arsenic. A study in 1994 by Ecology and the U.S. Geologic Survey developed natural background soil metals and some non-metals concentrations in Washington State (WDOE, Publication #94-115, 1994). The concentrations found in this study for the Yakima Basin are included in Table 8. Arsenic levels measured in this investigation were similar to those found in the background study. Also included in Table 8 are EPA screening levels for industrial soils for metals (Preliminary Remediation Goals). While chromium and lead levels in the collected samples were elevated compared to the background concentrations, they did not exceed the EPA screening levels (there are no CULs for these two metals).

Soil samples were BDL for herbicides in all borings except B13. In boring B13, the soil sample collected near the groundwater interface contained detectable levels of 2,4-D and Dicamba. These results did not exceed MTCA Method B CULs for these compounds.

Nitrate-nitrogen and ammonia-nitrogen were detected at varying levels in each soil sample collected from each boring (Table 10). None of the soil samples exceeded the MTCA Method B CUL for nitrate-nitrogen. A CUL was not available for ammonia-nitrogen. Figure 4 illustrates a post plot of nitrate-nitrogen and ammonia-nitrogen concentrations at each boring.

Depth (ft)	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	MTCA Method B CUL*	
	3.0 - 5.0	0.3 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 1.5	0.0 - 1.5	0.0 - 1.5	0.3 - 2.0	1.5 - 3.5	0.3 - 2.0	1.0 - 2.0	1.0 - 2.0		
	5.0 - 7.0	2.0 - 4.0	3.0 - 5.0	3.5 - 5.5	3.0 - 5.0	3.0 - 5.0	3.5 - 4.5	2.8 - 4.0	3.5 - 5.0	4.0 - 6.0	3.0 - 4.5	3.5 - 5.5	2.5 - 4.5		
<b>Volatile Organic Compounds - EPA Method 8260B (mg/kg)</b>															
1,2,3-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.017	N/A
	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.052	
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.014	4000 (NC)
	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.040	
Vinyl chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.67 (C)
	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Xylenes, Total	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.033	16000 (NC)
	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18	

\*(C) = Method B Level for Carcinogen; (NC) = Method B Level for Non-Carcinogen. Value selected was most stringent of the two.

**Table 8. Soil Sample Results - Metals**

Depth (ft)	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	MTCA Method B CUL*	Natural Background Levels**	EPA Screening Levels***
	3.0 - 5.0	0.3 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 1.5	0.0 - 1.5	0.0 - 1.5	0.3 - 2.0	1.5 - 3.5	0.3 - 2.0	1.0 - 2.0	1.0 - 2.0			
	5.0 - 7.0	2.0 - 4.0	3.0 - 5.0	3.5 - 5.5	3.0 - 5.0	3.0 - 5.0	3.5 - 4.5	2.8 - 4.0	3.5 - 5.0	4.0 - 6.0	3.0 - 4.5	3.5 - 5.5	2.5 - 4.5			
<b>RCRA 8 Metals - EPA Method 6010B (mg/kg)</b>																
Mercury	0.072	BDL	0.038	BDL	BDL	BDL	BDL	BDL	BDL	0.038	BDL	0.055	0.024	24 (NC)	0.05	24
	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.2	5.6	1.9	3.2	3.5	BDL	0.67 (C)	5	1.6
	BDL	BDL	BDL	BDL	BDL	BDL	7.0	5.8	6.9	7.9	6.2	BDL	BDL			
Barium	110	180	210	180	190	160	140	180	180	140	170	170	160	16000 (NC)	N/A	190000
	180	200	210	250	300	240	210	160	210	190	210	220	210			
Cadmium	7.1	3.6	3.1	1.2	1.2	1.3	1.2	1.7	1.6	3.0	2.2	1.7	1.2	80 (NC)	1	800
	5.2	3.3	1.4	1.6	1.4	1.6	1.4	1.1	1.6	1.8	1.3	0.44	0.40			
Chromium	37	25	24	21	24	24	18	22	25	54	22	22	27	N/A	38	1400
	29	27	26	29	26	28	25	21	27	27	28	32	33			
Lead	77	47	44	16	12	12	19	110	4.3	40	17	38	40	N/A	11	800
	27	27	12	14	12	13	4.9	3.8	3.5	2.4	4.7	14	15			
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	400 (NC)	N/A	5100
	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.84	0.93	BDL	0.66	0.65	BDL	400 (NC)	N/A	5100
	BDL	BDL	BDL	BDL	BDL	BDL	0.88	0.81	1.1	1.0	BDL	BDL	BDL			

\*(C) = Method B Level for Carcinogen; (NC) = Method B Level for Non-Carcinogen. Value selected was most stringent of the two.

\*\* Source: "Natural Background Soil Metals Concentrations in Washington State", Ecology, Publication #94-115, October 1994

\*\*\* Source: EPA Regional Screening Level Table for Industrial Soil, April 2009, <http://www.epa.gov/region9/superfund/req/index.html>

### 3.4 Groundwater Sample Results

One groundwater sample was collected at each boring location. Thirteen groundwater samples were collected (plus quality control samples, which are discussed further in the validation report, Appendix D) and analyzed for VOCs (Table 11), metals (Table 12), herbicides (Table 13), and inorganics (Table 14). Boring B10 did not produce sufficient groundwater sample for analysis of metals, herbicides, or inorganics; only VOCs were analyzed for the groundwater sample from B10. Laboratory reports are presented in Appendix C.

VOC compounds were not detected in groundwater samples collected from B2, B4, B5, B6, B7, and B8. Benzene was detected in groundwater samples collected from B1, B9, B10, and B13 at levels exceeding both the MTCA Method B CUL and Washington State Drinking Water Maximum Contaminant Levels (MCL). 1,2-dichloroethane was detected in groundwater samples collected from B1, B3, B10, and B13 at levels exceeding the CUL and MCL. Samples collected from B1, B3, and B12 exceeded the CUL and MCL for 1,2-dichloropropane. The sample from B10 exceeded the CUL for this compound, but not the MCL. Ethylbenzene was detected in samples from B1 and B9 through B13, but the CUL and/or the MCL were exceeded for this compound only in B9. Naphthalene was detected in samples from B1, B10, and B12 and the CUL was exceeded for this compound in B1. Groundwater samples from borings B1, B9, B11, and B13 exceeded the CUL for 1,2,4-trimethylbenzene. Groundwater samples from borings B9 and B13 exceeded the CUL for 1,3,5-trimethylbenzene. Finally, the CUL for total xylenes was exceeded in groundwater samples from B1, B9, and B13. The MCL for total xylenes was not exceeded in any groundwater samples.

For metals, cadmium, selenium, and silver were not detected in any groundwater samples. Arsenic levels exceeded the MCL in groundwater samples from B1, B2, B3, B8, and B13. Barium levels exceeded the MCL in the groundwater sample from B9, but the CUL was not exceeded for barium in any samples. Cadmium was detected in all groundwater samples, but no concentrations exceeded the MCL for this compound. Finally, the MCL for lead was exceeded in all groundwater samples. Because samples collected for metals analyses were not filtered, precaution is warranted in evaluating results for metals as sediment was observed in the water samples. The use of an acid preservative in unfiltered water samples with sediment can result in the dissociation of metals from the solid phase and elevated groundwater concentrations.

The only herbicide analyte detected in the groundwater samples was 2,4-D, which was detected in B9 and B13. The concentrations of 2,4-D in B9 and B13 each exceed the MCL for this compound. The CUL is exceeded only B13.

Nitrate-nitrite was detected in all groundwater samples, and exceeded the MCL in B1, B2, B3, B5, B8, B11, and B13. Ammonia-nitrogen was detected in all borings except B3 or B4. Chloride and sulfate were detected in varying levels in each of the groundwater samples. CULs and primary MCLs are not available for ammonia-nitrogen, chloride, or sulfate. National secondary drinking water standards for chloride and sulfate are each 250 mg/L. For chloride, groundwater samples collected from B1, B3, B5, and B13 exceeded this secondary standard. For sulfate, all samples except for those collected at B9 and B12 exceeded this secondary standard. Figure 5 illustrates a post plot for nitrogen levels in groundwater samples.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	MTCA Method B CUL*	State Drinking Water MCL
Depth (ft)	9.9 - 12.0	8.2 - 11.2	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	7.0 - 10.0	8.0 - 12.0	10.0 - 13.0	9.0 - 12.0	9.0 - 12.0	8.5 - 11.5	9.0 - 12.0		
Volatile Organic Compounds - EPA Method 8260B (mg/L)															
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.03 (NC)	0.07
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.2 (NC)	0.2
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.00077 (C)	0.005
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.00049 (NC)	0.005
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.4 (NC)	N/A
1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.000063 (C)	N/A
1,2,4-Trimethylbenzene	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.1	0.21	0.65	0.041	2.6	0.4 (NC)	N/A
1,2,3-Trimethylbenzene	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.57	0.034	0.0022	0.0094	0.59	N/A	N/A
1,3,5-Trimethylbenzene	0.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.50	0.030	0.20	0.010	0.62	0.4 (NC)	N/A
Vinyl chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.00029 (C)	0.002
Xylenes, Total	2.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.7	0.46	0.095	0.012	3.1	1.6 (NC)	10

\* (C) = Method B Level for Carcinogen; (NC) = Method B Level for Non-Carcinogen. Value selected was most stringent of the two.

Table 12. Groundwater Sample Results - Metals

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10*	B11	B12	B13	MTCA Method B CUL**	State Drinking Water MCL
Depth (ft)	9.9 - 12.0	8.2 - 11.2	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	7.0 - 10.0	8.0 - 12.0	10.0 - 13.0	9.0 - 12.0	9.0 - 12.0	8.5 - 11.5	9.0 - 12.0		
RCRA 8 Metals - EPA Method 6010B (mg/L)															
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	0.00024	BDL	0.0048 (NC)	0.002
Arsenic	0.036	0.040	0.038	BDL	BDL	BDL	BDL	0.063	BDL	N/A	BDL	BDL	0.023	0.000058 (C)	0.01
Barium	1.3	1.1	0.79	0.87	0.58	1.4	0.61	0.34	2.3	N/A	1.9	1.6	0.6	3.2 (NC)	2
Cadmium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.008 (NC)	0.005
Chromium	0.052	0.036	0.038	0.042	0.036	0.035	0.037	0.013	0.064	N/A	0.030	0.023	0.033	N/A	0.1
Lead	0.053	0.10	0.038	0.043	0.054	0.056	0.038	0.027	0.048	N/A	0.041	0.028	0.054	N/A	0.015
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.08 (NC)	0.05
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.08 (NC)	N/A

\* Not enough B10 GW sample available to run metals analysis

\*\* (C) = Method B Level for Carcinogen; (NC) = Method B Level for Non-Carcinogen. Value selected was most stringent of the two.

**Table 13. Groundwater Sample Results - Herbicides**

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10*	B11	B12	B13	MTCA Method B CUL**	State Drinking Water MCL
Depth (ft)	9.9 - 12.0	8.2 - 11.2	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	7.0 - 10.0	8.0 - 12.0	10.0 - 13.0	9.0 - 12.0	9.0 - 12.0	8.5 - 11.5	9.0 - 12.0		
Herbicides - EPA Method 8151 (mg/L)															
2,4-D	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.071	N/A	BDL	BDL	0.49	0.16 (NC)	0.07
Dalapon	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.24 (NC)	0.2
2,4-DB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.13 (NC)	N/A
Dicamba	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.48 (NC)	N/A
Dichloroprop	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	N/A	N/A
Dinoseb	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	N/A	0.007
MCPA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.008 (NC)	N/A
MCPP	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	0.016 (NC)	N/A
2,4,5-T	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	N/A	N/A
2,4,5-TP (Silvex)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N/A	BDL	BDL	BDL	N/A	0.05

\* Not enough B10 GW sample available to run herbicides analysis

\*\* (C) = Method B Level for Carcinogen; (NC) = Method B Level for Non-Carcinogen. Value selected was most stringent of the two.

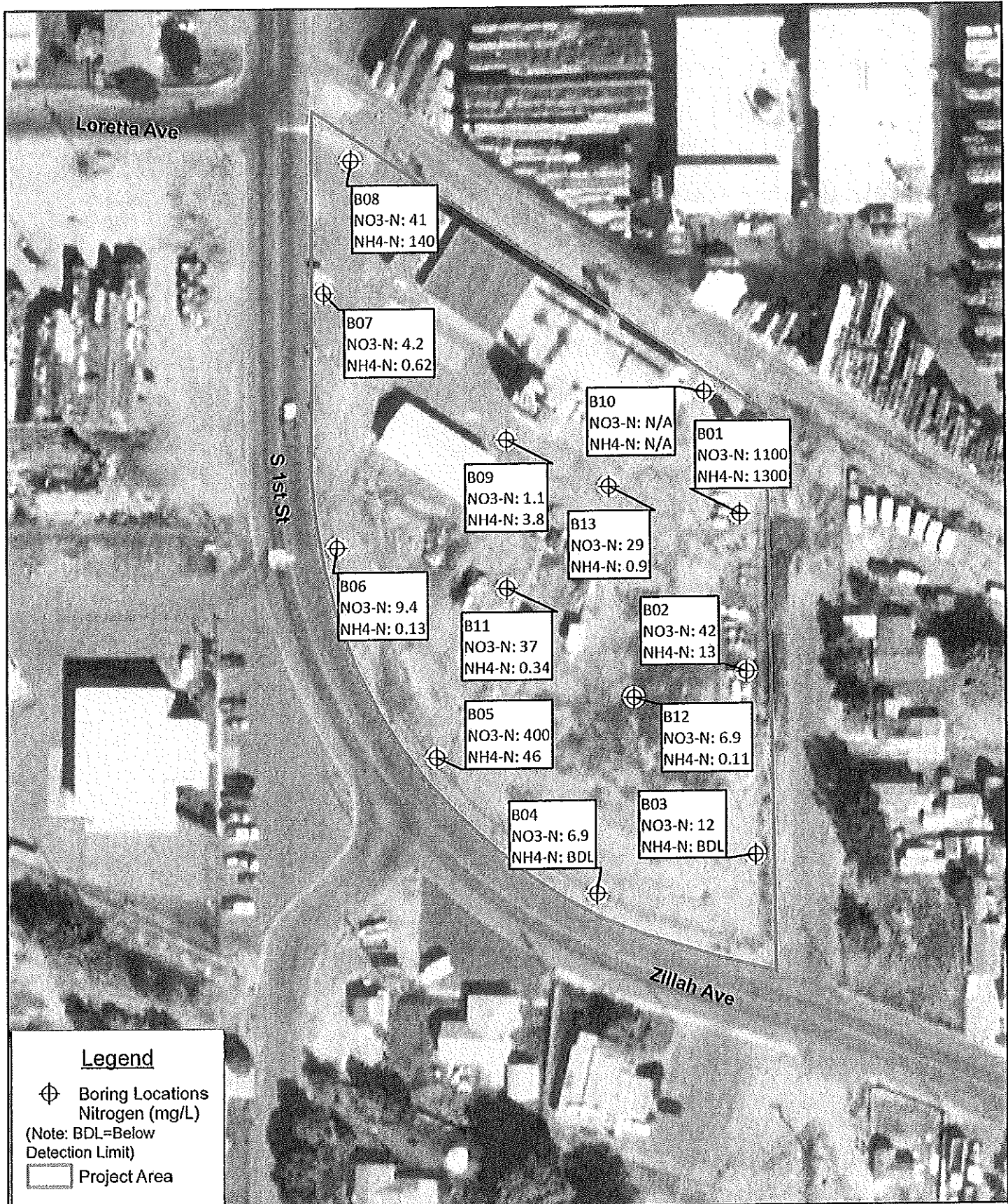
**Table 14. Groundwater Sample Results - Inorganics**

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10*	B11	B12	B13	MTCA Method B CUL**	State Drinking Water MCL
Depth (ft)	9.9 - 12.0	8.2 - 11.2	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	9.0 - 12.0	7.0 - 10.0	8.0 - 12.0	10.0 - 13.0	9.0 - 12.0	9.0 - 12.0	8.5 - 11.5	9.0 - 12.0		
Nitrate-Nitrite - EPA Method 353.2 (mg/L)															
Nitrate-Nitrite	1100	42	12	6.9	400	9.4	4.2	41	1.1	N/A	37	6.9	29	N/A	10
Ammonia Nitrogen - EPA Method 350.1 (mg/L)															
Ammonia-Nitrogen	1300	13	BDL	BDL	46	0.13	0.62	140	3.8	N/A	0.34	0.11	0.9	N/A	N/A
Chloride and Sulfate - EPA Method 9056 (mg/L)															
Chloride	380	150	380	190	480	68	90	65	140	N/A	180	160	500	N/A	250***
Sulfate	3600	350	270	700	1600	280	760	480	140	N/A	420	210	400	N/A	250***

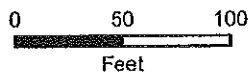
\* Not enough B10 GW sample available to run herbicides analysis

\*\* (C) = Method B Level for Carcinogen; (NC) = Method B Level for Non-Carcinogen. Value selected was most stringent of the two.

\*\*\* No Primary State Drinking Water MCL available; national Secondary Drinking Water Standards used



**Figure 5: Nitrogen Results in Groundwater  
 Simplot Grower Solutions, Sunnyside, WA**



Based on data shown in Tables 11 through 14, and on known groundwater flow directions in the area as documented by studies on properties north of the Simplot site, it appears that groundwater in boring B7 may be indicative of upgradient conditions and groundwater data from this well may provide a measure of upgradient "background" conditions

### 4.0 Findings and Conclusions

Soil samples were found to be below MTCA Method B CULs, with the exception of arsenic. The Method B CUL for arsenic is 0.67 mg/Kg. However, based on a study by Ecology in 1994, background levels of arsenic in soils in the Yakima Basin are typically 5 mg/Kg (WDOE 1994). Most soil samples from this investigation were at or below 5 mg/Kg.

Groundwater samples were collected for the Preliminary Site Investigation in September 2009. The constituents found to exceed MCLs or CULs are summarized in Table 15.

**Table 15. Groundwater Constituents Exceeding Standards in September 2009**

Constituent	Standard Exceeded												
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13
<b>VOCs</b>													
Benzene	MCL CUL								MCL CUL	MCL CUL			MCL CUL
Bromochloromethane												CUL	
1,2-Dichloroethane	MCL CUL		MCL CUL							MCL CUL			MCL CUL
1,2-Dichloropropane	MCL CUL		MCL CUL							CUL		MCL CUL	
Ethylbenzene									MCL CUL				CUL
Naphthalene	CUL												
1,2,4-Tri-methylbenzene	CUL								CUL		CUL		CUL
1,3,5-Tri-methylbenzene									CUL				CUL
Xylenes, Total	CUL								CUL				CUL
<b>Metals</b>													
Arsenic	MCL CUL	MCL CUL	MCL CUL					MCL CUL					MCL CUL
Barium									MCL				
Lead	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL		MCL	MCL	MCL
<b>Herbicides</b>													
2,4-D									MCL				CUL MCL
<b>Inorganics</b>													
Nitrate-Nitrite	MCL	MCL	MCL		MCL			MCL			MCL		MCL
Chloride	SMCL		SMCL		SMCL								SMCL
Sulfate	SMCL	SMCL	SMCL	SMCL	SMCL	SMCL	SMCL	SMCL			SMCL		SMCL

MCL = Washington State Drinking Water Maximum Contaminant Limit  
 CUL = Model Toxics Control Act Method B Cleanup Limit  
 SMCL = EPA Drinking Water Secondary Maximum Contaminant Limit



Boring B7 is indicative of background (and likely upgradient) conditions. However, more information on area groundwater flow and conditions is needed to further characterize groundwater issues at the Simplot site. It is recommended that Simplot construct on-site groundwater monitoring wells and collect four quarterly groundwater samples so further analysis of groundwater conditions can be conducted including confirmation of groundwater flow characteristics.

## 5.0 References

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**APPENDIX A**  
**BORING LOGS**

HDR, Inc.		SITE Simplot Grower Solutions		BORING NUMBER B1		SHEET 1 of 1	
<b>SOIL BORING LOG</b>							
PROJECT : Simplot Grower Solutions, Sunnyside, WA				LOCATION : 300 1st Str., Sunnyside, WA			
G.S. ELEVATION :				DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA			
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner				BOREHOLE DEPTH : 12 ft			
WATER LEVEL:		START: 9/24/09		END: 9/24/09		LOGGER : D. Reynolds (HDR)	
DEPTH BELOW SURFACE (FT)		STANDARD PENETRATION TEST RESULTS		CORE DESCRIPTION		COMMENTS	
INTERVAL (FT)		6"-6"-6"-6"		SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE		TIME AND MISCELLANEOUS COMMENTS	
RECOVERY (FT)	TYPE	TEST RESULTS					
0.0-3.0			Run 1 0.0 to 4.0 Rec. = 2.0/4.0	0.0 to 3.0 GRAVEL - Drain field		Start Time 1315	
3.0-12.0			Run 2 4.0 to 8.0 Rec. = 3.0/4.0	3.0 TO 12.0 CLAYEY SILT (ML) dk. brown, color change to gray 11.5 to 12.0 ft. dry to 3.0 ft, sl. moist 3.0 to 4.0 ft, wet 4.0 to 11.5 ft. sl. moist & harder 11.5 to 12.0 ft.		Soil samples: B1-SU @ 1330 (3.0 to 5.0 ft) B1-WT @1345 (5.0 to 7.0 ft)  Water sample: B1-GW @ 1400 (Screen 9.9 to 12.0 ft) B14-GW @1630 Duplicate Sample Groundwater reacts to acid in VOA vials Slight fertilizer odor, no staining.	
			Run 3 8.0 to 12.0 Rec. = 3.0/4.0	TD 12.0 ft.		Hard to Geoprobe, near refusal.	

<b>HDR, Inc.</b>		<b>SITE</b> Simplot Grower Solutions		<b>BORING NUMBER</b> B3		SHEET 1 of 1	
<b>SOIL BORING LOG</b>							
PROJECT : Simplot Grower Solutions, Sunnyside, WA				LOCATION : 300 1st Str., Sunnyside, WA			
G.S. ELEVATION :				DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA			
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner				BOREHOLE DEPTH : 12 ft			
WATER LEVEL :				START: 9/23/09		END: 9/23/09	
LOGGER : D. Reynolds (HDR)							
DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6"	CORE DESCRIPTION		COMMENTS	
	RECOVERY (FT)	TYPE		SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE	TIME AND MISCELLANEOUS COMMENTS		
0.0-12.0			Run 1 0.0 to 4.0	0.0 to 12.0 CLAYEY SILT (ML) dk. brown to brown to 11.5 ft, lt. gray to 12.0 ft. dry to 2.0 ft, sl. moist to 5.0 ft, wet from 5.0 to 12.0 ft. some gravel from 0.0 to 1.0 ft, loose from 0.0 to 2.0 ft.	Start Time 1500  Soil samples: B3-SU @ 1515 (0.0 to 2.0 ft) B3-WT @ 1530 (3.0 to 5.0 ft)  Water sample: B3-GW @ 1545 (Screen 9 to 12 ft)  No odor, no staining Pumped dry 3 times		
			Run 2 4.0 to 8.0				
			Run 3 8.0 to 12.0				
					TD12.0 ft.		
5							
10							
15							
20							

HDR, Inc.		SITE Simplot Grower Solutions		BORING NUMBER B5		SHEET 1 of 1	
<b>SOIL BORING LOG</b>							
PROJECT : Simplot Grower Solutions, Sunnyside, WA				LOCATION : 300 1st Str., Sunnyside, WA			
G.S. ELEVATION :				DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA			
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner				BOREHOLE DEPTH : 12 ft			
WATER LEVEL:				START: 9/23/09		END: 9/23/09	
				LOGGER : D. Reynolds (HDR)			
DEPTH BELOW SURFACE (FT)		STANDARD PENETRATION TEST RESULTS		CORE DESCRIPTION		COMMENTS	
INTERVAL (FT)		6"-6"-6"-6"		SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE		TIME AND MISCELLANEOUS COMMENTS	
RECOVERY (FT)		TYPE					
0.0-0.6		Run 1 0.0 to 4.0		0.0 to 0.6 Fill		Start Time 1245	
0.6-12.0		Run 2 4.0 to 8.0		0.6 to 12.0 CLAYEY SILT (ML) dk. brown, sl. moist, wet from 2.5 to 12.0 ft.		Soil samples: B5-SU @ 1310 (0.0 to 2.0 ft) B5-WT @ 1320 (3.0 to 5.0 ft)	
5		Run 3 8.0 to 12.0				Water sample: B5-GW @ 1330 (Screen 9 to 12 ft) No odor, no staining Pumped dry, let set Water dirty - did not clear up	
10							
15							
20				TD 12.0 ft.			

<b>HDR, Inc.</b>		<b>SITE</b> Simplot Grower Solutions		<b>BORING NUMBER</b> B7		SHEET 1 of 1	
<b>SOIL BORING LOG</b>							
PROJECT : Simplot Grower Solutions, Sunnyside, WA				LOCATION : 300 1st Str., Sunnyside, WA			
G.S. ELEVATION :				DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA			
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner				BOREHOLE DEPTH : 10 ft			
WATER LEVEL:				START: 9/23/09		END: 9/23/09	
LOGGER : D. Reynolds (HDR)							
DEPTH BELOW SURFACE (FT)	STANDARD		PENETRATION	CORE DESCRIPTION		COMMENTS	
	INTERVAL (FT)	RECOVERY (FT)		TEST RESULTS	SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE	TIME AND MISCELLANEOUS COMMENTS	
0.0-1.5			Run 1 0.0 to 4.0	0.0 to 1.5 SAND & GRAVEL - FILL? tan to lt. brown, fine to medium, dry	Start Time 1000		
1.5-10.0			Run 2 4.0 to 8.0	1.5 to 10.0 CLAYEY SILT (ML) some sand brown, color change to lt. gray to gray 8.0 to 10.0 ft., dry to 1.5 ft, sl. moist to 4.0 ft, wet to 8.0 ft.	Soil samples: B7-SU @ 1015 (0.0 to 1.5 ft) B7-WT @ 1030 (3.5 to 4.5 ft)		
5			Run 3 8.0 to 10.0	moist to 10.0 ft.	Water sample: B7-GW @ 1100 (Screen 7 to 10 ft) making little water, only filled 1-L. No odor, no staining Pumped dry 3 times Only filled one of the liter bottles.		
10				TD 10.0 ft.			
15							
20							

<b>HDR, Inc.</b>	<b>SITE</b> Simplot Grower Solutions		<b>BORING NUMBER</b> B9		<b>SHEET</b> 1 of 1	
	<b>SOIL BORING LOG</b>					
PROJECT : Simplot Grower Solutions, Sunnyside, WA			LOCATION : 300 1st Str., Sunnyside, WA			
G.S. ELEVATION :			DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA			
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner				BOREHOLE DEPTH : 13 ft		
WATER LEVEL:		START: 9/24/09		END: 9/24/09		LOGGER : D. Reynolds (HDR)
DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6"	CORE DESCRIPTION		COMMENTS
	RECOVERY (FT)	TYPE		SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE		
				TIME AND MISCELLANEOUS COMMENTS		
0.0-0.3 0.3-13.0			Run 1 0.0 to 4.0	0.0 to 0.3 FILL 0.3 TO 13.0 CLAYEY SILT (ML) dk. brown to brown, color change to gray 9.0 to 13.0 ft. sl. moist from 0.3 to 4.0 ft, wet from 4.0 to 13.0 ft.	Start Time 0800  Soil samples: B9-SU @ 0815 (0.3 to 2.0 ft) B9-WT @0830 (3.5 to 5.0 ft)  Water sample: B9-GW @ 0845 (Screen 10 to 13 ft) Groundwater dirty, does not clear up. Only fill one of the liter samples bottles. Core has fertilizer odor but no staining.	
5			Run 2 4.0 to 8.0			
10			Run 3 8.0 to 12.0			
15			Run 4 12.0 to 13.0	TD 13.0 ft.	Hard to Geoprobe. Driller reports refusal at 13.0, does not want to jam liner.	
20						



<b>HDR, Inc.</b>	SITE Simplot Grower Solutions		BORING NUMBER <b>B11</b>	SHEET 1 of 1
	<b>SOIL BORING LOG</b>			
PROJECT : Simplot Grower Solutions, Sunnyside, WA		LOCATION : 300 1st Str., Sunnyside, WA		
G.S. ELEVATION :		DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA		
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner			BOREHOLE DEPTH : 12 ft	
WATER LEVEL:		START: 9/23/09	END: 9/23/09	LOGGER: D. Reynolds (HDR)
DEPTH BELOW SURFACE (FT)	STANDARD		CORE DESCRIPTION	COMMENTS
	INTERVAL (FT)	PENETRATION TEST RESULTS		
	RECOVERY (FT)	6"-6"-6"-6"	SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE	TIME AND MISCELLANEOUS COMMENTS
		TYPE		
0.0-0.3			0.0 to 0.3 FILL	Start Time 1600
0.3-12.0		Run 1 0.0 to 4.0	0.3 TO 12.0 CLAYEY SILT (ML)  dk. brown to brown, color change to gray 11.5 to 12.0 ft. sl. moist from 0.3 to 4.5 ft, wet from 4.5 to 12.0 ft. white flakes in upper two feet of core	Soil samples: B11-SU @ 1615 (0.3 to 2.0 ft) B11-WT @ 1630 (3.0 to 4.5 ft)
		Run 2 4.0 to 8.0		Water sample: B11-GW @ 1645 (Screen 9 to 12 ft)
		Run 3 8.0 to 12.0		Core has fertilizer odor but no staining.
			TD 12.0 ft.	
5				
10				
15				
20				

<b>HDR, Inc.</b>		<b>SITE</b> Simplot Grower Solutions		<b>BORING NUMBER</b> B13		SHEET 1 of 1	
<b>SOIL BORING LOG</b>							
PROJECT : Simplot Grower Solutions, Sunnyside, WA				LOCATION : 300 1st Str., Sunnyside, WA			
G.S. ELEVATION :				DRILLING CONTRACTOR : Environmental West, Inc. Spokane WA			
DRILLING METHOD USED : Geoprobe 5400 with 2-inch macrocore barrel & liner				BOREHOLE DEPTH : 12 ft			
WATER LEVEL:		START: 9/24/09		END: 9/24/09		LOGGER : D. Reynolds (HDR)	
<b>DEPTH BELOW SURFACE (FT)</b>		<b>STANDARD PENETRATION TEST RESULTS</b>		<b>CORE DESCRIPTION</b>		<b>COMMENTS</b>	
<b>INTERVAL (FT)</b>		<b>6"-6"-6"-6"</b>		SOIL NAME, USCS SYMBOL, COLOR, MOISTURE CONTENT, CONSISTENCY OR DENSITY, SOIL STRUCTURE		TIME AND MISCELLANEOUS COMMENTS	
<b>RECOVERY (FT)</b>		<b>TYPE</b>					
0.0-0.5		Run 1		0.0 to 0.5 FILL		Start Time 1000	
0.5-12.0		0.0 to 4.0		0.5 TO 12.0 CLAYEY SILT (ML)		Soil samples: B13-SU @ 1015 (1.0 to 2.0 ft) B13-WT @1030 (2.5 to 4.5 ft)	
		Run 2		dk. brown to brown, color change gray to dk. gray 11.5 to 12.0 ft, sl. moist from 0.3 to 4.0 ft, wet from 4.0 to 11.5 ft, moist 11.5 to 12.0 ft.		Water sample: B13-GW @ 1045 (Screen 9 to 12 ft) Core has fertilizer odor.	
		Run 3		4.0 to 8.0			
		8.0 to 12.0		TD 12.0 ft.			
5							
10							
15							
20							



Photo 1. Truck-mounted GeoProbe.



Photo 2. Typical soil core from borings taken September 23 and 24, 2009.

**APPENDIX C**  
**LABORATORY REPORTS**



ENVIRONMENTAL  
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Est. 1970

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

Report Summary

Friday October 09, 2009

Report Number: L424325

Samples Received: 09/26/09

Client Project:

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:

Jarred 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 - 996093910

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**REPORT OF ANALYSIS**

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

October 09,2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B1-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 13:30

ESC Sample # : L424325-01

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	98.7		%	2540G	09/30/09	1
Mercury	0.072	0.020	mg/kg	7471	09/29/09	1
Arsenic	BDL	1.0	mg/kg	6010B	09/30/09	1
Barium	110	0.25	mg/kg	6010B	09/30/09	1
Cadmium	7.1	0.25	mg/kg	6010B	09/30/09	1
Chromium	37.	0.51	mg/kg	6010B	09/30/09	1
Lead	77.	0.25	mg/kg	6010B	09/30/09	1
Selenium	BDL	5.1	mg/kg	6010B	10/02/09	5
Silver	BDL	0.51	mg/kg	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.25	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.051	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0051	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0051	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.025	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0051	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0051	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0051	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0051	mg/kg	8260B	10/02/09	5

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-01

Sample ID : Bl-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 13:30

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0051	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0051	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0051	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0051	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0051	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0051	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.051	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.051	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0051	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0051	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.025	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0051	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0051	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0051	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	103.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	97.2		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.071	mg/kg	8151	10/02/09	1
Dalapon	BDL	0.81	mg/kg	8151	10/02/09	1
2,4-DB	BDL	0.071	mg/kg	8151	10/02/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B1-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 13:30

ESC Sample # : L424325-01

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.071	mg/kg	8151	10/02/09	1
Dichloroprop	BDL	0.071	mg/kg	8151	10/02/09	1
Dinoseb	BDL	0.071	mg/kg	8151	10/02/09	1
MCPA	BDL	6.6	mg/kg	8151	10/02/09	1
MCPP	BDL	6.6	mg/kg	8151	10/02/09	1
2,4,5-T	BDL	0.071	mg/kg	8151	10/02/09	1
2,4,5-TP (Silvex)	BDL	0.071	mg/kg	8151	10/02/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	104.		% Rec.	8151	10/02/09	1

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

**Note:**

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02





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Est. 1970

REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : BL-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 13:45

ESC Sample # : L424325-02

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.2		%	2540G	09/30/09	1
Mercury	BDL	0.027	mg/kg	7471	09/29/09	1
Arsenic	BDL	1.4	mg/kg	6010B	09/30/09	1
Barium	180	0.34	mg/kg	6010B	09/30/09	1
Cadmium	5.2	0.34	mg/kg	6010B	09/30/09	1
Chromium	29.	0.68	mg/kg	6010B	09/30/09	1
Lead	27.	0.34	mg/kg	6010B	09/30/09	1
Selenium	BDL	6.8	mg/kg	6010B	10/02/09	5
Silver	BDL	0.68	mg/kg	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.34	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.068	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0068	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.034	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.34	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.034	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0068	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-02

Sample ID : B1-WT

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 13:45

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0068	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0068	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0068	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0068	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.068	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.034	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.068	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0068	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0068	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0068	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.020	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.3		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.096	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.096	mg/kg	8151	10/01/09	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B1-WT

Collected By : D. Reynolds  
Collection Date : 09/24/09 13:45

ESC Sample # : L424325-02

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.096	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.096	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.096	mg/kg	8151	10/01/09	1
MCPA	BDL	8.9	mg/kg	8151	10/01/09	1
MCPP	BDL	8.9	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.096	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.096	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	89.0		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B2-SU

Collected By : D. Reynolds  
Collection Date : 09/24/09 12:30

ESC Sample # : L424325-03

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.8		%	2540G	09/30/09	1
Mercury	BDL	0.024	mg/kg	7471	09/29/09	1
Arsenic	BDL	1.2	mg/kg	6010B	09/30/09	1
Barium	180	0.30	mg/kg	6010B	09/30/09	1
Cadmium	3.6	0.30	mg/kg	6010B	09/30/09	1
Chromium	25.	0.60	mg/kg	6010B	09/30/09	1
Lead	47.	0.30	mg/kg	6010B	09/30/09	1
Selenium	BDL	6.0	mg/kg	6010B	10/02/09	5
Silver	BDL	0.60	mg/kg	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.30	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.060	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.030	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B2-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 12:30

ESC Sample # : L424325-03

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0060	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	104.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	98.5		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.084	mg/kg	8151	10/01/09	1
Dalapon	BDL	0.97	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.084	mg/kg	8151	10/01/09	1

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

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B3-SU

Collected By : D. Reynolds  
Collection Date : 09/23/09 15:15

ESC Sample # : L424325-05

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.086	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.086	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.086	mg/kg	8151	10/01/09	1
MCPA	BDL	8.0	mg/kg	8151	10/01/09	1
MCPP	BDL	8.0	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.086	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.086	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	172.		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B3-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 15:30

ESC Sample # : L424325-06

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.6		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	BDL	7.0	mg/kg	6010B	10/01/09	5
Barium	210	0.35	mg/kg	6010B	10/01/09	1
Cadmium	1.4	0.35	mg/kg	6010B	10/01/09	1
Chromium	26.	0.70	mg/kg	6010B	10/01/09	1
Lead	12.	0.35	mg/kg	6010B	10/01/09	1
Selenium	BDL	7.0	mg/kg	6010B	10/01/09	5
Silver	BDL	3.5	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.35	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.070	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.035	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0070	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.035	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.35	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.035	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0070	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.035	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.035	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	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

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B3-WT

ESC Sample # : L424325-06

Site ID : SUNNYSIDE, WA

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 15:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0070	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0070	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.070	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.035	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.070	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0070	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.035	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0070	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.035	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.035	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0070	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	96.6		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.098	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.098	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B3-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 15:30

ESC Sample # : L424325-06

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.098	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.098	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.098	mg/kg	8151	10/01/09	1
MCPA	BDL	9.1	mg/kg	8151	10/01/09	1
MCPP	BDL	9.1	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.098	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.098	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	92.2		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-07

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B4-SU

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.8		%	2540G	09/30/09	1
Mercury	BDL	0.024	mg/kg	7471	09/29/09	1
Arsenic	BDL	6.0	mg/kg	6010B	10/01/09	5
Barium	180	0.30	mg/kg	6010B	10/01/09	1
Cadmium	1.2	0.30	mg/kg	6010B	10/01/09	1
Chromium	21.	0.60	mg/kg	6010B	10/01/09	1
Lead	16.	0.30	mg/kg	6010B	10/01/09	1
Selenium	BDL	6.0	mg/kg	6010B	10/01/09	5
Silver	BDL	3.0	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.30	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.060	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.030	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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**REPORT OF ANALYSIS**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B4-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 14:15

ESC Sample # : L424325-07

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0060	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	105.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	98.6		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.084	mg/kg	8151	10/01/09	1
Dalapon	BDL	0.95	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.084	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B4-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 14:15

ESC Sample # : L424325-07

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.084	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.084	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.084	mg/kg	8151	10/01/09	1
MCPA	BDL	7.8	mg/kg	8151	10/01/09	1
MCPP	BDL	7.8	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.084	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.084	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	58.0		% Rec.	8151	10/01/09	1

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

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B4-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 14:30

ESC Sample # : I424325-08

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.6		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	BDL	6.9	mg/kg	6010B	10/01/09	5
Barium	250	0.34	mg/kg	6010B	10/01/09	1
Cadmium	1.6	0.34	mg/kg	6010B	10/01/09	1
Chromium	29.	0.69	mg/kg	6010B	10/01/09	1
Lead	14.	0.34	mg/kg	6010B	10/01/09	1
Selenium	BDL	6.9	mg/kg	6010B	10/01/09	5
Silver	BDL	3.4	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.34	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.069	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0069	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.034	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.34	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.034	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	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**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B4-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 14:30

ESC Sample # : L424325-08

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0069	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0069	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.069	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.034	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.069	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0069	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0069	mg/kg	8260B	10/02/09	5
Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0069	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.0		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.9		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.096	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.096	mg/kg	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B4-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 14:30

ESC Sample # : L424325-08

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.096	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.096	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.096	mg/kg	8151	10/01/09	1
MCPA	BDL	9.0	mg/kg	8151	10/01/09	1
MCPP	BDL	9.0	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.096	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.096	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	104.		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-09

Sample ID : B5-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:10

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.6		%	2540G	09/30/09	1
Mercury	BDL	0.024	mg/kg	7471	09/29/09	1
Arsenic	BDL	12.	mg/kg	6010B	10/01/09	10
Barium	190	0.30	mg/kg	6010B	10/01/09	1
Cadmium	1.2	0.30	mg/kg	6010B	10/01/09	1
Chromium	24.	0.60	mg/kg	6010B	10/01/09	1
Lead	12.	0.30	mg/kg	6010B	10/01/09	1
Selenium	BDL	12.	mg/kg	6010B	10/01/09	10
Silver	BDL	6.0	mg/kg	6010B	10/01/09	10
<b>Volatile Organics</b>						
Acetone	BDL	0.30	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.060	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.030	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B5-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 13:10

ESC Sample # : L424325-09

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0060	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	105.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	94.9		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.085	mg/kg	8151	10/01/09	1
Dalapon	BDL	0.97	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.085	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-09

Sample ID : B5-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:10

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.085	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.085	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.085	mg/kg	8151	10/01/09	1
MCPA	BDL	7.9	mg/kg	8151	10/01/09	1
MCPP	BDL	7.9	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.085	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.085	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	70.2		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B5-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:20

ESC Sample # : L424325-10

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.7		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	BDL	6.9	mg/kg	6010B	10/01/09	5
Barium	300	0.34	mg/kg	6010B	10/01/09	1
Cadmium	1.4	0.34	mg/kg	6010B	10/01/09	1
Chromium	26.	0.69	mg/kg	6010B	10/01/09	1
Lead	12.	0.34	mg/kg	6010B	10/01/09	1
Selenium	BDL	6.9	mg/kg	6010B	10/01/09	5
Silver	BDL	3.4	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.34	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.069	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0069	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0069	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.034	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.34	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.034	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2-Dibromomethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Est. 1970

REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-10

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B5-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0069	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0069	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.069	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.034	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.069	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0069	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0069	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0069	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	96.2		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	106.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	101.		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.096	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.096	mg/kg	8151	10/01/09	1

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

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B5-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 13:20

ESC Sample # : L424325-10  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.096	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.096	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.096	mg/kg	8151	10/01/09	1
MCPA	BDL	8.9	mg/kg	8151	10/01/09	1
MCPP	BDL	8.9	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.096	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.096	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	86.5		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-11

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B6-SU

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.6		%	2540G	09/30/09	1
Mercury	BDL	0.026	mg/kg	7471	09/29/09	1
Arsenic	BDL	6.4	mg/kg	6010B	10/01/09	5
Barium	190	0.32	mg/kg	6010B	10/01/09	1
Cadmium	1.3	0.32	mg/kg	6010B	10/01/09	1
Chromium	24.	0.64	mg/kg	6010B	10/01/09	1
Lead	12.	0.32	mg/kg	6010B	10/01/09	1
Selenium	BDL	6.4	mg/kg	6010B	10/01/09	5
Silver	BDL	3.2	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.32	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.064	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0064	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.032	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0064	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.032	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.32	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.032	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0064	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.032	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.032	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0064	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0064	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0064	mg/kg	8260B	10/02/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-11

Sample ID : B6-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 12:00

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1-Dichloropropane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0064	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0064	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0064	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0064	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0064	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0064	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.064	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.032	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.064	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0064	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.032	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0064	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.032	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0064	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.032	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0064	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0064	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.019	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	109.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.5		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.090	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.0	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.090	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B6-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 12:00

ESC Sample # : L424325-11

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.090	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.090	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.090	mg/kg	8151	10/01/09	1
MCPA	BDL	8.4	mg/kg	8151	10/01/09	1
MCPP	BDL	8.4	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.090	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.090	mg/kg	8151	10/01/09	1
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	72.8		% Rec.	8151	10/01/09	1

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

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02





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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B6-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 11:05

ESC Sample # : L424325-12

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	67.4		%	2540G	09/30/09	1
Mercury	BDL	0.030	mg/kg	7471	09/29/09	1
Arsenic	BDL	7.4	mg/kg	6010B	10/01/09	5
Barium	240	0.37	mg/kg	6010B	10/01/09	1
Cadmium	1.6	0.37	mg/kg	6010B	10/01/09	1
Chromium	28.	0.74	mg/kg	6010B	10/01/09	1
Lead	13.	0.37	mg/kg	6010B	10/01/09	1
Selenium	BDL	7.4	mg/kg	6010B	10/01/09	5
Silver	BDL	3.7	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.37	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.074	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0074	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.037	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0074	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.037	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.37	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.037	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0074	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.037	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.037	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0074	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0074	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0074	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

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**REPORT OF ANALYSIS**

October 09, 2009

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

ESC Sample # : L424325-12

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B6-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 11:05

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0074	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0074	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0074	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0074	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.074	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.037	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.074	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0074	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.037	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0074	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.037	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0074	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.037	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0074	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0074	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.022	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	97.8		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	109.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.1		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.10	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.2	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.10	mg/kg	8151	10/01/09	1

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

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B6-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 11:05

ESC Sample # : L424325-12

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.10	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.10	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.10	mg/kg	8151	10/01/09	1
MCPA	BDL	9.6	mg/kg	8151	10/01/09	1
MCPP	BDL	9.6	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.10	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.10	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	88.1		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-13

Sample ID : B7-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 10:15

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.0		%	2540G	09/30/09	1
Mercury	BDL	0.024	mg/kg	7471	09/29/09	1
Arsenic	BDL	5.9	mg/kg	6010B	10/01/09	5
Barium	140	0.29	mg/kg	6010B	10/01/09	1
Cadmium	1.2	0.29	mg/kg	6010B	10/01/09	1
Chromium	18.	0.59	mg/kg	6010B	10/01/09	1
Lead	19.	0.29	mg/kg	6010B	10/01/09	1
Selenium	BDL	5.9	mg/kg	6010B	10/01/09	5
Silver	BDL	2.9	mg/kg	6010B	10/01/09	5
<b>Volatile Organics</b>						
Acetone	BDL	0.29	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.059	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0059	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.029	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0059	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.029	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.29	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.029	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0059	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.029	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.029	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0059	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0059	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0059	mg/kg	8260B	10/02/09	5

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B7-SU

Collected By : D. Reynolds  
Collection Date : 09/23/09 10:15

ESC Sample # : L424325-13

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1-Dichloropropane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0059	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0059	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0059	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0059	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.059	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.029	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.059	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0059	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.029	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0059	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.029	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0059	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.029	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0059	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	96.0		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.082	mg/kg	8151	10/01/09	1
Dalapon	BDL	0.94	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.082	mg/kg	8151	10/01/09	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B7-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 10:15

ESC Sample # : L424325-13  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.082	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.082	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.082	mg/kg	8151	10/01/09	1
MCPA	BDL	7.6	mg/kg	8151	10/01/09	1
MCPP	BDL	7.6	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.082	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.082	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	70.1		% Rec.	8151	10/01/09	1

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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**REPORT OF ANALYSIS**

October 09, 2009

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

ESC Sample # : L424325-14

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B7-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.5		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	7.0	1.4	mg/kg	6010B	10/01/09	1
Barium	210	0.35	mg/kg	6010B	10/01/09	1
Cadmium	1.4	0.35	mg/kg	6010B	10/01/09	1
Chromium	25.	0.70	mg/kg	6010B	10/01/09	1
Lead	4.9	0.35	mg/kg	6010B	10/01/09	1
Selenium	BDL	14.	mg/kg	6010B	10/01/09	10
Silver	0.98	0.70	mg/kg	6010B	10/01/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.35	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.070	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0070	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.035	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0070	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.035	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.35	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.035	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0070	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.035	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.035	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B7-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 10:30

ESC Sample # : L424325-14

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0070	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0070	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.070	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.035	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.070	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0070	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.035	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0070	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.035	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0070	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.035	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0070	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.9		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	107.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.1		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.098	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.098	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B7-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 10:30

ESC Sample # : L424325-14

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.098	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.098	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.098	mg/kg	8151	10/01/09	1
MCPA	BDL	9.1	mg/kg	8151	10/01/09	1
MCPP	BDL	9.1	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.098	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.098	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	41.2		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B8-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 08:30

ESC Sample # : L424325-15  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.2		%	2540G	09/30/09	1
Mercury	BDL	0.024	mg/kg	7471	09/29/09	1
Arsenic	3.2	1.2	mg/kg	6010B	10/01/09	1
Barium	180	0.30	mg/kg	6010B	10/01/09	1
Cadmium	1.7	0.30	mg/kg	6010B	10/01/09	1
Chromium	22.	0.60	mg/kg	6010B	10/01/09	1
Lead	110	0.30	mg/kg	6010B	10/01/09	1
Selenium	BDL	12.	mg/kg	6010B	10/01/09	10
Silver	0.84	0.60	mg/kg	6010B	10/01/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.30	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.060	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0060	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.030	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5

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

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**REPORT OF ANALYSIS**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B8-SU

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:30

ESC Sample # : L424325-15

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0060	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.060	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0060	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0060	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0060	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	95.5		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	95.5		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.084	mg/kg	8151	10/01/09	1
Dalapon	BDL	0.96	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.084	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B8-SU  
Collected By : D. Reynolds  
Collection Date : 09/23/09 08:30

ESC Sample # : L424325-15

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.084	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.084	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.084	mg/kg	8151	10/01/09	1
MCPA	BDL	7.8	mg/kg	8151	10/01/09	1
MCPP	BDL	7.8	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.084	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.084	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	69.8		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.  
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Reported: 10/08/09 14:49 Revised: 10/09/09 10:02



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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-16

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : BB-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.2		%	2540G	09/30/09	1
Mercury	BDL	0.026	mg/kg	7471	09/29/09	1
Arsenic	5.8	1.3	mg/kg	6010B	10/01/09	1
Barium	160	0.33	mg/kg	6010B	10/01/09	1
Cadmium	1.1	0.33	mg/kg	6010B	10/01/09	1
Chromium	21.	0.66	mg/kg	6010B	10/01/09	1
Lead	3.8	0.33	mg/kg	6010B	10/01/09	1
Selenium	BDL	13.	mg/kg	6010B	10/01/09	10
Silver	0.81	0.66	mg/kg	6010B	10/01/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.33	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.066	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0066	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.033	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0066	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.033	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.33	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.033	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0066	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.033	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.033	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0066	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0066	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0066	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-16

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B8-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0066	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0066	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0066	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0066	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0066	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0066	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.066	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.033	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.066	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0066	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.033	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0066	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.033	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0066	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.033	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0066	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0066	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.020	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	107.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	98.9		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.092	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.0	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.092	mg/kg	8151	10/01/09	1

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

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B8-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 08:45

ESC Sample # : L424325-16

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.092	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.092	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.092	mg/kg	8151	10/01/09	1
MCPA	BDL	8.5	mg/kg	8151	10/01/09	1
MCPP	BDL	8.5	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.092	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.092	mg/kg	8151	10/01/09	1
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	86.6		% Rec.	8151	10/01/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-17

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B9-SU

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.1		%	2540G	09/30/09	1
Mercury	BDL	0.026	mg/kg	7471	09/29/09	1
Arsenic	5.6	1.3	mg/kg	6010B	09/30/09	1
Barium	180	0.32	mg/kg	6010B	09/30/09	1
Cadmium	1.6	0.32	mg/kg	6010B	09/30/09	1
Chromium	25.	0.65	mg/kg	6010B	09/30/09	1
Lead	4.3	0.32	mg/kg	6010B	09/30/09	1
Selenium	BDL	13.	mg/kg	6010B	10/01/09	10
Silver	0.98	0.65	mg/kg	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.32	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.065	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0065	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.032	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0065	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.032	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.32	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.032	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0065	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.032	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.032	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0065	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0065	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0065	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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L424325-17 (SV8151) - high surr confirmed by MS MSD





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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B9-SU

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:15

ESC Sample # : L424325-17

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0065	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0065	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0065	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0065	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0065	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0065	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.065	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.032	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.065	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0065	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.032	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0065	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.032	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0065	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.032	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0065	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0065	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.019	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.8		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.091	mg/kg	8151	10/01/09	1
Dalapon	BDL	1.0	mg/kg	8151	10/01/09	1
2,4-DB	BDL	0.091	mg/kg	8151	10/01/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-17

Sample ID : B9-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:15

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.091	mg/kg	8151	10/01/09	1
Dichloroprop	BDL	0.091	mg/kg	8151	10/01/09	1
Dinoseb	BDL	0.091	mg/kg	8151	10/01/09	1
MCPA	BDL	8.4	mg/kg	8151	10/01/09	1
MCPP	BDL	8.4	mg/kg	8151	10/01/09	1
2,4,5-T	BDL	0.091	mg/kg	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.091	mg/kg	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	327.		% Rec.	8151	10/01/09	1

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

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03  
L424325-17 (SV8151) - high surr confirmed by MS MSD



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**REPORT OF ANALYSIS**

October 09, 2009

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

ESC Sample # : L424325-18

Date Received : September 26, 2009  
Description : Simplot-- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B9-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.9		%	2540G	09/30/09	1
Mercury	BDL	0.027	mg/kg	7471	09/29/09	1
Arsenic	6.9	1.3	mg/kg	6010B	10/01/09	1
Barium	210	0.33	mg/kg	6010B	10/01/09	1
Cadmium	1.6	0.33	mg/kg	6010B	10/01/09	1
Chromium	27.	0.67	mg/kg	6010B	10/01/09	1
Lead	3.5	0.33	mg/kg	6010B	10/01/09	1
Selenium	BDL	13.	mg/kg	6010B	10/01/09	10
Silver	1.1	0.67	mg/kg	6010B	10/01/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.33	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.067	mg/kg	8260B	10/02/09	5
Benzene	0.0084	0.0067	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0067	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.033	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0067	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.033	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.33	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.033	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0067	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.033	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.033	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0067	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0067	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0067	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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**REPORT OF ANALYSIS**

October 09, 2009

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

ESC Sample # : L424325-18

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B9-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 08:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0067	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0067	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0067	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0067	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.067	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.033	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.067	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0067	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.033	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0067	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.033	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0067	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.033	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0067	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0067	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.020	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.2		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	107.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	97.1		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.093	mg/kg	8151	10/06/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.093	mg/kg	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B9-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 08:30

ESC Sample # : L424325-18

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.093	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.093	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.093	mg/kg	8151	10/06/09	1
MCPA	BDL	8.7	mg/kg	8151	10/06/09	1
MCPP	BDL	8.7	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.093	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.093	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	83.6		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-19

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B10-SU

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 15:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	95.0		%	2540G	09/30/09	1
Mercury	0.036	0.021	mg/kg	7471	09/29/09	1
Arsenic	1.9	1.0	mg/kg	6010B	10/01/09	1
Barium	140	0.26	mg/kg	6010B	10/01/09	1
Cadmium	3.0	0.26	mg/kg	6010B	10/01/09	1
Chromium	54.	0.53	mg/kg	6010B	10/01/09	1
Lead	40.	0.26	mg/kg	6010B	10/01/09	1
Selenium	BDL	10.	mg/kg	6010B	10/01/09	10
Silver	BDL	0.53	mg/kg	6010B	10/01/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.26	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.053	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0053	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.026	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0053	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.026	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.26	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.026	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0053	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.026	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.026	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0053	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0053	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0053	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B10-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 15:15

ESC Sample # : L424325-19  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0053	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0053	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0053	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0053	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0053	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0053	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.053	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.026	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.053	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0053	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.026	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0053	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.026	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0053	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.026	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0053	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0053	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.016	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	97.8		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	109.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	97.1		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.074	mg/kg	8151	10/06/09	1
Dalapon	BDL	0.84	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.074	mg/kg	8151	10/06/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B10-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 15:15

ESC Sample # : L424325-19  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.074	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.074	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.074	mg/kg	8151	10/06/09	1
MCPA	BDL	6.8	mg/kg	8151	10/06/09	1
MCPP	BDL	6.8	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.074	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.074	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	70.6		% Rec.	8151	10/06/09	1

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

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03





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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-20

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B10-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 15:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.4		%	2540G	09/30/09	1
Mercury	BDL	0.027	mg/kg	7471	09/29/09	1
Arsenic	7.9	1.4	mg/kg	6010B	10/01/09	1
Barium	190	0.34	mg/kg	6010B	10/01/09	1
Cadmium	1.8	0.34	mg/kg	6010B	10/01/09	1
Chromium	27.	0.68	mg/kg	6010B	10/01/09	1
Lead	2.4	0.34	mg/kg	6010B	10/01/09	1
Selenium	BDL	14.	mg/kg	6010B	10/01/09	10
Silver	1.0	0.68	mg/kg	6010B	10/01/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.34	mg/kg	8260B	10/02/09	5
Acrylonitrile	BDL	0.068	mg/kg	8260B	10/02/09	5
Benzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromodichloromethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromoform	BDL	0.0068	mg/kg	8260B	10/02/09	5
Bromomethane	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Butylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
sec-Butylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
tert-Butylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Carbon tetrachloride	BDL	0.0068	mg/kg	8260B	10/02/09	5
Chlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Chlorodibromomethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Chloroethane	BDL	0.034	mg/kg	8260B	10/02/09	5
2-Chloroethyl vinyl ether	BDL	0.34	mg/kg	8260B	10/02/09	5
Chloroform	BDL	0.034	mg/kg	8260B	10/02/09	5
Chloromethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
2-Chlorotoluene	BDL	0.0068	mg/kg	8260B	10/02/09	5
4-Chlorotoluene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2-Dibromoethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Dibromomethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2-Dichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,3-Dichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,4-Dichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Dichlorodifluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,1-Dichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2-Dichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1-Dichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
cis-1,2-Dichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
trans-1,2-Dichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-20

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B10-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 15:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1-Dichloropropene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,3-Dichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
cis-1,3-Dichloropropene	BDL	0.0068	mg/kg	8260B	10/02/09	5
trans-1,3-Dichloropropene	BDL	0.0068	mg/kg	8260B	10/02/09	5
2,2-Dichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Di-isopropyl ether	BDL	0.0068	mg/kg	8260B	10/02/09	5
Ethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Hexachloro-1,3-butadiene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Isopropylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
p-Isopropyltoluene	BDL	0.0068	mg/kg	8260B	10/02/09	5
2-Butanone (MEK)	BDL	0.068	mg/kg	8260B	10/02/09	5
Methylene Chloride	BDL	0.034	mg/kg	8260B	10/02/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.068	mg/kg	8260B	10/02/09	5
Methyl tert-butyl ether	BDL	0.0068	mg/kg	8260B	10/02/09	5
Naphthalene	BDL	0.034	mg/kg	8260B	10/02/09	5
n-Propylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Styrene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0068	mg/kg	8260B	10/02/09	5
Tetrachloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Toluene	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2,4-Trichlorobenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,1-Trichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,1,2-Trichloroethane	BDL	0.0068	mg/kg	8260B	10/02/09	5
Trichloroethene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Trichlorofluoromethane	BDL	0.034	mg/kg	8260B	10/02/09	5
1,2,3-Trichloropropane	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2,4-Trimethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,2,3-Trimethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
1,3,5-Trimethylbenzene	BDL	0.0068	mg/kg	8260B	10/02/09	5
Vinyl chloride	BDL	0.0068	mg/kg	8260B	10/02/09	5
Xylenes, Total	BDL	0.020	mg/kg	8260B	10/02/09	5
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	10/02/09	5
Dibromofluoromethane	111.		% Rec.	8260B	10/02/09	5
4-Bromofluorobenzene	99.4		% Rec.	8260B	10/02/09	5
Herbicides						
2,4-D	BDL	0.095	mg/kg	8151	10/06/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.095	mg/kg	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B10-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 15:30

ESC Sample # : L424325-20

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.095	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.095	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.095	mg/kg	8151	10/06/09	1
MCPA	BDL	8.8	mg/kg	8151	10/06/09	1
MCPP	BDL	8.8	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.095	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.095	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	94.8		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B11-SU

Collected By : D. Reynolds  
Collection Date : 09/23/09 16:15

ESC Sample # : L424325-21

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.084	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.084	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.084	mg/kg	8151	10/06/09	1
MCPA	BDL	7.8	mg/kg	8151	10/06/09	1
MCPP	BDL	7.8	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.084	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.084	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	53.8		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B11-WT

Collected By : D. Reynolds  
Collection Date : 09/23/09 16:30

ESC Sample # : L424325-22

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.2		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	6.2	1.4	mg/kg	6010B	10/02/09	1
Barium	210	0.35	mg/kg	6010B	10/02/09	1
Cadmium	1.3	0.35	mg/kg	6010B	10/02/09	1
Chromium	26.	0.69	mg/kg	6010B	10/02/09	1
Lead	4.7	0.35	mg/kg	6010B	10/02/09	1
Selenium	BDL	14.	mg/kg	6010B	10/01/09	10
Silver	BDL	0.69	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.35	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.069	mg/kg	8260B	10/03/09	5
Benzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.035	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0069	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.035	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.35	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.035	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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**REPORT OF ANALYSIS**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B11-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 16:30

ESC Sample # : L424325-22

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0069	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0069	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.069	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.035	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.069	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0069	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.035	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0069	mg/kg	8260B	10/03/09	5
Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0069	mg/kg	8260B	10/03/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	106.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	101.		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	BDL	0.097	mg/kg	8151	10/06/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.097	mg/kg	8151	10/06/09	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-22

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B11-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 16:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.2		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	6.2	1.4	mg/kg	6010B	10/02/09	1
Barium	210	0.35	mg/kg	6010B	10/02/09	1
Cadmium	1.3	0.35	mg/kg	6010B	10/02/09	1
Chromium	26.	0.69	mg/kg	6010B	10/02/09	1
Lead	4.7	0.35	mg/kg	6010B	10/02/09	1
Selenium	BDL	14.	mg/kg	6010B	10/01/09	10
Silver	BDL	0.69	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.35	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.069	mg/kg	8260B	10/03/09	5
Benzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0069	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.035	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0069	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.035	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.35	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.035	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B11-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 16:30

ESC Sample # : L424325-22

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0069	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0069	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0069	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.069	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.035	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.069	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0069	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.035	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0069	mg/kg	8260B	10/03/09	5
Tetrachloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0069	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	BDL	0.0069	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0069	mg/kg	8260B	10/03/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	106.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	101.		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	BDL	0.097	mg/kg	8151	10/06/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.097	mg/kg	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B11-WT  
Collected By : D. Reynolds  
Collection Date : 09/23/09 16:30

ESC Sample # : L424325-22

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.097	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.097	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.097	mg/kg	8151	10/06/09	1
MCPA	BDL	9.0	mg/kg	8151	10/06/09	1
MCPP	BDL	9.0	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.097	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.097	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	106.		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

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Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 11:30

ESC Sample # : L424325-23

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.3		%	2540G	09/30/09	1
Mercury	0.055	0.024	mg/kg	7471	09/29/09	1
Arsenic	3.5	1.2	mg/kg	6010B	10/02/09	1
Barium	170	0.30	mg/kg	6010B	10/02/09	1
Cadmium	1.7	0.30	mg/kg	6010B	10/02/09	1
Chromium	22.	0.60	mg/kg	6010B	10/02/09	1
Lead	38.	0.30	mg/kg	6010B	10/02/09	1
Selenium	BDL	12.	mg/kg	6010B	10/01/09	10
Silver	0.65	0.60	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.30	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.060	mg/kg	8260B	10/03/09	5
Benzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Bromobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0060	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0060	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.030	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5

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

REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B12-SU

Collected By : D. Reynolds  
Collection Date : 09/24/09 11:30

ESC Sample # : L424325-23

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	0.26	0.060	mg/kg	8260B	10/05/09	50
1,1-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0060	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0060	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.060	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.060	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0060	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0060	mg/kg	8260B	10/03/09	5
Tetrachloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.030	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0060	mg/kg	8260B	10/03/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	107.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	94.3		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	BDL	0.084	mg/kg	8151	10/06/09	1
Dalapon	BDL	0.96	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.084	mg/kg	8151	10/06/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 11:30

ESC Sample # : L424325-23

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.084	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.084	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.084	mg/kg	8151	10/06/09	1
MCPA	BDL	7.8	mg/kg	8151	10/06/09	1
MCPP	BDL	7.8	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.084	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.084	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	84.0		% Rec.	8151	10/06/09	1

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

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 11:30

ESC Sample # : L424325-23

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	0.26	0.060	mg/kg	8260B	10/05/09	50
1,1-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0060	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0060	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0060	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.060	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.060	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0060	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0060	mg/kg	8260B	10/03/09	5
Tetrachloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.030	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0060	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	BDL	0.0060	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0060	mg/kg	8260B	10/03/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	107.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	94.3		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	BDL	0.084	mg/kg	8151	10/06/09	1
Dalapon	BDL	0.96	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.084	mg/kg	8151	10/06/09	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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-23

Sample ID : B12-SU

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 11:30

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.084	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.084	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.084	mg/kg	8151	10/06/09	1
MCPA	BDL	7.8	mg/kg	8151	10/06/09	1
MCPP	BDL	7.8	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.084	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.084	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	84.0		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 11:45

ESC Sample # : L424325-24

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.9		%	2540G	09/30/09	1
Mercury	BDL	0.028	mg/kg	7471	09/29/09	1
Arsenic	BDL	7.0	mg/kg	6010B	10/03/09	5
Barium	220	0.35	mg/kg	6010B	10/02/09	1
Cadmium	0.44	0.35	mg/kg	6010B	10/02/09	1
Chromium	32.	0.70	mg/kg	6010B	10/02/09	1
Lead	14.	0.35	mg/kg	6010B	10/02/09	1
Selenium	BDL	7.0	mg/kg	6010B	10/03/09	5
Silver	BDL	0.70	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.35	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.070	mg/kg	8260B	10/03/09	5
Benzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Bromobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0070	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.035	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0070	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.035	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.35	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.035	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0070	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0070	mg/kg	8260B	10/03/09	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**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 11:45

ESC Sample # : L424325-24

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	0.039	0.0070	mg/kg	8260B	10/03/09	5
1,1-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0070	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0070	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0070	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0070	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.070	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.035	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.070	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0070	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.035	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0070	mg/kg	8260B	10/03/09	5
Tetrachloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0070	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.035	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	BDL	0.0070	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0070	mg/kg	8260B	10/03/09	5
Xylenes, Total	BDL	0.021	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	99.5		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	107.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	102.		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	BDL	0.097	mg/kg	8151	10/06/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.097	mg/kg	8151	10/06/09	1

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

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 11:45

ESC Sample # : L424325-24  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.097	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.097	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.097	mg/kg	8151	10/06/09	1
MCPA	BDL	9.0	mg/kg	8151	10/06/09	1
MCPP	BDL	9.0	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.097	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.097	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	117.		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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**REPORT OF ANALYSIS**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B13-SU

Collected By : D. Reynolds  
Collection Date : 09/24/09 10:15

ESC Sample # : L424325-25

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	91.3		%	2540G	09/30/09	1
Mercury	0.024	0.022	mg/kg	7471	09/29/09	1
Arsenic	BDL	5.5	mg/kg	6010B	10/03/09	5
Barium	160	0.27	mg/kg	6010B	10/02/09	1
Cadmium	1.2	0.27	mg/kg	6010B	10/02/09	1
Chromium	27.	0.55	mg/kg	6010B	10/02/09	1
Lead	40.	0.27	mg/kg	6010B	10/02/09	1
Selenium	BDL	5.5	mg/kg	6010B	10/03/09	5
Silver	BDL	0.55	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.27	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.055	mg/kg	8260B	10/03/09	5
Benzene	0.0095	0.0055	mg/kg	8260B	10/03/09	5
Bromobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0055	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.027	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0055	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.027	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.27	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.027	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0055	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.027	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.027	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0055	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0055	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0055	mg/kg	8260B	10/03/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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**REPORT OF ANALYSIS**

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B13-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 10:15

ESC Sample # : L424325-25

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1-Dichloropropene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0055	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0055	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0055	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0055	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0055	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0055	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.055	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.027	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.055	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0055	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.027	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0055	mg/kg	8260B	10/03/09	5
Tetrachloroethene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.027	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0055	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0055	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.027	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0055	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	0.017	0.0055	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	0.014	0.0055	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0055	mg/kg	8260B	10/03/09	5
Xylenes, Total	0.033	0.016	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	100.		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	BDL	0.077	mg/kg	8151	10/06/09	1
Dalapon	BDL	0.88	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.077	mg/kg	8151	10/06/09	1

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B13-SU  
Collected By : D. Reynolds  
Collection Date : 09/24/09 10:15

ESC Sample # : L424325-25

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.077	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.077	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.077	mg/kg	8151	10/06/09	1
MCPA	BDL	7.1	mg/kg	8151	10/06/09	1
MCPP	BDL	7.1	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.077	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.077	mg/kg	8151	10/06/09	1
Surrogate Recovery						
.2,4-Dichlorophenyl Acetic Acid	94.6		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B13-WT

Collected By : D. Reynolds  
Collection Date : 09/24/09 10:30

ESC Sample # : L424325-26

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	67.4		%	2540G	09/30/09	1
Mercury	BDL	0.030	mg/kg	7471	09/29/09	1
Arsenic	BDL	7.4	mg/kg	6010B	10/03/09	5
Barium	210	0.37	mg/kg	6010B	10/02/09	1
Cadmium	0.40	0.37	mg/kg	6010B	10/02/09	1
Chromium	33.	0.74	mg/kg	6010B	10/02/09	1
Lead	15.	0.37	mg/kg	6010B	10/02/09	1
Selenium	BDL	7.4	mg/kg	6010B	10/03/09	5
Silver	BDL	0.74	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.37	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.074	mg/kg	8260B	10/03/09	5
Benzene	0.25	0.074	mg/kg	8260B	10/05/09	50
Bromobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0074	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.037	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0074	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.037	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.37	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.037	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0074	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.037	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.037	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	0.032	0.0074	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0074	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0074	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0074	mg/kg	8260B	10/03/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B13-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 10:30

ESC Sample # : L424325-26

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,1-Dichloropropene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0074	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0074	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0074	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0074	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0074	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.074	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.037	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.074	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0074	mg/kg	8260B	10/03/09	5
Naphthalene	0.045	0.037	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0074	mg/kg	8260B	10/03/09	5
Tetrachloroethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.037	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0074	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0074	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.037	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0074	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	0.065	0.0074	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	0.052	0.0074	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	0.040	0.0074	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0074	mg/kg	8260B	10/03/09	5
Xylenes, Total	0.18	0.022	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	102.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	105.		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	0.20	0.10	mg/kg	8151	10/07/09	1
Dalapon	BDL	1.2	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.10	mg/kg	8151	10/06/09	1

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

October 09, 2009

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

ESC Sample # : L424325-26

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B13-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	0.13	0.10	mg/kg	8151	10/07/09	1
Dichloroprop	BDL	0.10	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.10	mg/kg	8151	10/06/09	1
MCPA	BDL	9.6	mg/kg	8151	10/06/09	1
MCPP	BDL	9.6	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.10	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.10	mg/kg	8151	10/06/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	83.1		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Reported: 10/08/09 14:49 Revised: 10/09/09 10:03



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REPORT OF ANALYSIS

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424325-27

Sample ID : B14-WT

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 16:15

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.7		%	2540G	09/30/09	1
Mercury	BDL	0.027	mg/kg	7471	09/29/09	1
Arsenic	BDL	6.7	mg/kg	6010B	10/03/09	5
Barium	200	0.33	mg/kg	6010B	10/02/09	1
Cadmium	0.48	0.33	mg/kg	6010B	10/02/09	1
Chromium	29.	0.67	mg/kg	6010B	10/02/09	1
Lead	12.	0.33	mg/kg	6010B	10/02/09	1
Selenium	BDL	6.7	mg/kg	6010B	10/03/09	5
Silver	BDL	0.67	mg/kg	6010B	10/02/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.33	mg/kg	8260B	10/03/09	5
Acrylonitrile	BDL	0.067	mg/kg	8260B	10/03/09	5
Benzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Bromobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Bromodichloromethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
Bromoform	BDL	0.0067	mg/kg	8260B	10/03/09	5
Bromomethane	BDL	0.033	mg/kg	8260B	10/03/09	5
n-Butylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
sec-Butylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
tert-Butylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Carbon tetrachloride	BDL	0.0067	mg/kg	8260B	10/03/09	5
Chlorobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Chlorodibromomethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
Chloroethane	BDL	0.033	mg/kg	8260B	10/03/09	5
2-Chloroethyl vinyl ether	BDL	0.33	mg/kg	8260B	10/03/09	5
Chloroform	BDL	0.033	mg/kg	8260B	10/03/09	5
Chloromethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
2-Chlorotoluene	BDL	0.0067	mg/kg	8260B	10/03/09	5
4-Chlorotoluene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.033	mg/kg	8260B	10/03/09	5
1,2-Dibromoethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
Dibromomethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,2-Dichlorobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,3-Dichlorobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,4-Dichlorobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Dichlorodifluoromethane	BDL	0.033	mg/kg	8260B	10/03/09	5
1,1-Dichloroethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,2-Dichloroethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1-Dichloroethene	BDL	0.0067	mg/kg	8260B	10/03/09	5
cis-1,2-Dichloroethene	BDL	0.0067	mg/kg	8260B	10/03/09	5
trans-1,2-Dichloroethene	BDL	0.0067	mg/kg	8260B	10/03/09	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

October 09, 2009

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

ESC Sample # : L424325-27

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B14-WT

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 16:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1-Dichloropropene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,3-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/03/09	5
cis-1,3-Dichloropropene	BDL	0.0067	mg/kg	8260B	10/03/09	5
trans-1,3-Dichloropropene	BDL	0.0067	mg/kg	8260B	10/03/09	5
2,2-Dichloropropane	BDL	0.0067	mg/kg	8260B	10/03/09	5
Di-isopropyl ether	BDL	0.0067	mg/kg	8260B	10/03/09	5
Ethylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Hexachloro-1,3-butadiene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Isopropylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
p-Isopropyltoluene	BDL	0.0067	mg/kg	8260B	10/03/09	5
2-Butanone (MEK)	BDL	0.067	mg/kg	8260B	10/03/09	5
Methylene Chloride	BDL	0.033	mg/kg	8260B	10/03/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.067	mg/kg	8260B	10/03/09	5
Methyl tert-butyl ether	BDL	0.0067	mg/kg	8260B	10/03/09	5
Naphthalene	BDL	0.033	mg/kg	8260B	10/03/09	5
n-Propylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Styrene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0067	mg/kg	8260B	10/03/09	5
Tetrachloroethene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Toluene	BDL	0.033	mg/kg	8260B	10/03/09	5
1,2,3-Trichlorobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,2,4-Trichlorobenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1,1-Trichloroethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,1,2-Trichloroethane	BDL	0.0067	mg/kg	8260B	10/03/09	5
Trichloroethene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Trichlorofluoromethane	BDL	0.033	mg/kg	8260B	10/03/09	5
1,2,3-Trichloropropane	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,2,4-Trimethylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,2,3-Trimethylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
1,3,5-Trimethylbenzene	BDL	0.0067	mg/kg	8260B	10/03/09	5
Vinyl chloride	BDL	0.0067	mg/kg	8260B	10/03/09	5
Xylenes, Total	BDL	0.020	mg/kg	8260B	10/03/09	5
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	10/03/09	5
Dibromofluoromethane	108.		% Rec.	8260B	10/03/09	5
4-Bromofluorobenzene	99.9		% Rec.	8260B	10/03/09	5
Herbicides						
2,4-D	0.22	0.094	mg/kg	8151	10/07/09	1
Dalapon	BDL	1.1	mg/kg	8151	10/06/09	1
2,4-DB	BDL	0.094	mg/kg	8151	10/06/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (POL)

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REPORT OF ANALYSIS

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

October 09, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B14-WT  
Collected By : D. Reynolds  
Collection Date : 09/24/09 16:15

ESC Sample # : L424325-27

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Dicamba	BDL	0.094	mg/kg	8151	10/06/09	1
Dichloroprop	BDL	0.094	mg/kg	8151	10/06/09	1
Dinoseb	BDL	0.094	mg/kg	8151	10/06/09	1
MCPA	BDL	8.7	mg/kg	8151	10/06/09	1
MCPP	BDL	8.7	mg/kg	8151	10/06/09	1
2,4,5-T	BDL	0.094	mg/kg	8151	10/06/09	1
2,4,5-TP (Silvex)	BDL	0.094	mg/kg	8151	10/06/09	1
Surrogate Recovery 2,4-Dichlorophenyl Acetic Acid	52.3		% Rec.	8151	10/06/09	1

Results listed are dry weight basis.

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Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-28

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : TRIP BLANK

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 09, 2009

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

ESC Sample # : L424325-28

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : TRIP BLANK

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	104.		% Rec.	8260B	10/02/09	1
4-Bromofluorobenzene	99.4		% Rec.	8260B	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier	
L424325-01	WG443279	SAMP	2,4-Dichlorophenyl Acetic Acid	R928008	J1	
	WG443739	SAMP	Acetone	R930048	J3	
	WG443739	SAMP	Acrylonitrile	R930048	J3	
	WG443739	SAMP	Benzene	R930048	J3	
	WG443739	SAMP	Bromobenzene	R930048	J3	
	WG443739	SAMP	Bromoform	R930048	J3	
	WG443739	SAMP	n-Butylbenzene	R930048	J3	
	WG443739	SAMP	sec-Butylbenzene	R930048	J3	
	WG443739	SAMP	tert-Butylbenzene	R930048	J3	
	WG443739	SAMP	Carbon tetrachloride	R930048	J3	
	WG443739	SAMP	Chlorobenzene	R930048	J3	
	WG443739	SAMP	Chloroform	R930048	J3	
	WG443739	SAMP	2-Chlorotoluene	R930048	J3	
	WG443739	SAMP	4-Chlorotoluene	R930048	J3	
	WG443739	SAMP	1,2-Dibromo-3-Chloropropane	R930048	J3	
	WG443739	SAMP	1,2-Dichlorobenzene	R930048	J3	
	WG443739	SAMP	1,3-Dichlorobenzene	R930048	J3	
	WG443739	SAMP	1,4-Dichlorobenzene	R930048	J3	
	WG443739	SAMP	1,2-Dichloroethane	R930048	J3	
	WG443739	SAMP	cis-1,2-Dichloroethene	R930048	J3	
	WG443739	SAMP	1,1-Dichloropropene	R930048	J3	
	WG443739	SAMP	2,2-Dichloropropane	R930048	J3	
	WG443739	SAMP	Di-isopropyl ether	R930048	J3	
	WG443739	SAMP	Ethylbenzene	R930048	J3	
	WG443739	SAMP	Hexachloro-1,3-butadiene	R930048	J6J3	
	WG443739	SAMP	Isopropylbenzene	R930048	J3	
	WG443739	SAMP	p-Isopropyltoluene	R930048	J3	
	WG443739	SAMP	2-Butanone (MEK)	R930048	J3	
	WG443739	SAMP	Methyl tert-butyl ether	R930048	J3	
	WG443739	SAMP	Naphthalene	R930048	J3	
	WG443739	SAMP	n-Propylbenzene	R930048	J3	
	WG443739	SAMP	Styrene	R930048	J3	
	WG443739	SAMP	1,1,1,2-Tetrachloroethane	R930048	J3	
	WG443739	SAMP	1,1,2,2-Tetrachloroethane	R930048	J3	
	WG443739	SAMP	1,1,2-Trichloro-1,2,2-trifluoroethane	R930048	J3	
	WG443739	SAMP	Tetrachloroethene	R930048	J3	
	WG443739	SAMP	Toluene	R930048	J3	
	WG443739	SAMP	1,2,3-Trichlorobenzene	R930048	J3	
	WG443739	SAMP	1,2,4-Trichlorobenzene	R930048	J3	
	WG443739	SAMP	1,1,1-Trichloroethane	R930048	J3	
	WG443739	SAMP	1,2,3-Trichloropropane	R930048	J3	
	WG443739	SAMP	1,2,4-Trimethylbenzene	R930048	J3	
	WG443739	SAMP	1,2,3-Trimethylbenzene	R930048	J3	
	WG443739	SAMP	1,3,5-Trimethylbenzene	R930048	J3	
	WG443739	SAMP	Xylenes, Total	R930048	J3	
	WG443070	SAMP	Selenium	R930128	O	
	WG442852	SAMP	Mercury	R923889	J3	
	L424325-02	WG443070	SAMP	Selenium	R930128	O
	L424325-03	WG443070	SAMP	Selenium	R930128	O
	L424325-04	WG443070	SAMP	Selenium	R930128	O
L424325-05	WG443279	SAMP	2,4-Dichlorophenyl Acetic Acid	R928008	J1	
	WG443070	SAMP	Barium	R930128	J3J6	
L424325-06	WG443154	SAMP	Arsenic	R927168	O	
	WG443154	SAMP	Selenium	R927168	O	
	WG443154	SAMP	Silver	R927168	O	
L424325-07	WG443154	SAMP	Arsenic	R927168	O	
	WG443154	SAMP	Selenium	R927168	O	
	WG443154	SAMP	Silver	R927168	O	
L424325-08	WG443279	SAMP	2,4-Dichlorophenyl Acetic Acid	R928008	J1	
	WG443154	SAMP	Arsenic	R927168	O	
	WG443154	SAMP	Selenium	R927168	O	
	WG443154	SAMP	Silver	R927168	O	
L424325-09	WG443154	SAMP	Arsenic	R927168	O	
	WG443154	SAMP	Selenium	R927168	O	
	WG443154	SAMP	Silver	R927168	O	
L424325-10	WG443154	SAMP	Arsenic	R927168	O	
	WG443154	SAMP	Selenium	R927168	O	
L424325-11	WG443154	SAMP	Silver	R927168	O	
	WG443154	SAMP	Arsenic	R927168	O	

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L424325-12	WG443154	SAMP	Selenium	R927168	0
	WG443154	SAMP	Silver	R927168	0
	WG443154	SAMP	Arsenic	R927168	0
	WG443154	SAMP	Selenium	R927168	0
L424325-13	WG443154	SAMP	Silver	R927168	0
	WG443154	SAMP	Arsenic	R927168	0
	WG443154	SAMP	Selenium	R927168	0
	WG443154	SAMP	Silver	R927168	0
L424325-14	WG443158	SAMP	Selenium	R927048	0
	WG443158	SAMP	Selenium	R927048	0
	WG443158	SAMP	Selenium	R927048	0
	WG443158	SAMP	Selenium	R927048	0
L424325-15	WG443158	SAMP	Selenium	R927048	0
	WG443158	SAMP	Selenium	R927048	0
	WG443158	SAMP	Selenium	R927048	0
	WG443158	SAMP	Selenium	R927048	0
L424325-16	WG443279	SAMP	Dichloroprop	R928008	J3
	WG443279	SAMP	Dinoseb	R928008	J3
	WG443279	SAMP	MCPA	R928008	J3
	WG443279	SAMP	2,4-Dichlorophenyl Acetic Acid	R928008	J1
L424325-17	WG443158	SAMP	Selenium	R927048	OJ6
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
L424325-18	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
L424325-19	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
L424325-20	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
L424325-21	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
L424325-22	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	2,4-Dichlorophenyl Acetic Acid	R935291	J1
	WG443158	SAMP	Selenium	R927048	0
L424325-23	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
	WG443508	SAMP	Dinoseb	R935291	J3
	WG443158	SAMP	Selenium	R927048	0
L424325-24	WG443508	SAMP	Dinoseb	R935291	J3
	WG443508	SAMP	2,4-Dichlorophenyl Acetic Acid	R935291	J1
	WG443307	SAMP	Arsenic	R932369	0
	WG443307	SAMP	Selenium	R932369	0
L424325-25	WG443508	SAMP	Dinoseb	R935291	J3
	WG443307	SAMP	Arsenic	R932369	0
	WG443307	SAMP	Selenium	R932369	0
	WG443307	SAMP	Selenium	R932369	0
L424325-26	WG443508	SAMP	Dinoseb	R935291	J3
	WG443307	SAMP	Arsenic	R932369	0
	WG443307	SAMP	Selenium	R932369	0
	WG443307	SAMP	Selenium	R932369	0
L424325-27	WG443508	SAMP	Dinoseb	R935291	J3
	WG443307	SAMP	Arsenic	R932369	0
	WG443307	SAMP	Selenium	R932369	0
	WG443307	SAMP	Selenium	R932369	0

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
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
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.

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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Est. 1970

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

**Quality Assurance Report  
Level II**

Boise, ID 83706

October 09, 2009

L424325

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Mercury	< .02	mg/kg			WG442852	09/29/09 20:30
Mercury	< .02	mg/kg			WG442853	09/29/09 19:13
Total Solids	< .1	%			WG443110	09/30/09 10:35
Total Solids	< .1	%			WG443111	09/30/09 11:01
Total Solids	< .1	%			WG443112	09/30/09 10:08
Total Solids	< .1	%			WG443113	09/30/09 11:14
Arsenic	< 1	mg/kg			WG443154	10/01/09 02:15
Barium	< .25	mg/kg			WG443154	10/01/09 02:15
Cadmium	< .25	mg/kg			WG443154	10/01/09 02:15
Chromium	< .5	mg/kg			WG443154	10/01/09 02:15
Lead	< .25	mg/kg			WG443154	10/01/09 02:15
Selenium	< 1	mg/kg			WG443154	10/01/09 02:15
Silver	< .5	mg/kg			WG443154	10/01/09 02:15
Arsenic	< 1	mg/kg			WG443158	09/30/09 23:46
Barium	< .25	mg/kg			WG443158	09/30/09 23:46
Cadmium	< .25	mg/kg			WG443158	09/30/09 23:46
Chromium	< .5	mg/kg			WG443158	09/30/09 23:46
Lead	< .25	mg/kg			WG443158	09/30/09 23:46
Selenium	< 1	mg/kg			WG443158	09/30/09 23:46
Silver	< .5	mg/kg			WG443158	09/30/09 23:46
2,4,5-T	< .07	mg/kg			WG443279	10/01/09 12:20
2,4,5-TP (Silvex)	< .07	mg/kg			WG443279	10/01/09 12:20
2,4-D	< .07	mg/kg			WG443279	10/01/09 12:20
2,4-DB	< .07	mg/kg			WG443279	10/01/09 12:20
Dalapon	< .8	mg/kg			WG443279	10/01/09 12:20
Dicamba	< .07	mg/kg			WG443279	10/01/09 12:20
Dichloroprop	< .07	mg/kg			WG443279	10/01/09 12:20
Dinoseb	< .07	mg/kg			WG443279	10/01/09 12:20
MCPA	< 6.5	mg/kg			WG443279	10/01/09 12:20
MCPP	< 6.5	mg/kg			WG443279	10/01/09 12:20
2,4-Dichlorophenyl Acetic Acid		%	99.58*	37-99	WG443279	10/01/09 12:20
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,1,1-Trichloroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,1,2-Trichloroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,1-Dichloroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,1-Dichloroethene	< .001	mg/kg			WG443739	10/02/09 09:21
1,1-Dichloropropene	< .001	mg/kg			WG443739	10/02/09 09:21
1,2,3-Trichlorobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,2,3-Trichloropropane	< .001	mg/kg			WG443739	10/02/09 09:21

\* 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  
Dale Reynolds  
412 E. Park Center Blvd, Ste 100  
Boise, ID 83706

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
1,2,3-Trimethylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,2,4-Trichlorobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,2,4-Trimethylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG443739	10/02/09 09:21
1,2-Dibromoethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,2-Dichlorobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,2-Dichloroethane	< .001	mg/kg			WG443739	10/02/09 09:21
1,2-Dichloropropane	< .001	mg/kg			WG443739	10/02/09 09:21
1,3,5-Trimethylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,3-Dichlorobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
1,3-Dichloropropane	< .001	mg/kg			WG443739	10/02/09 09:21
1,4-Dichlorobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
2,2-Dichloropropane	< .001	mg/kg			WG443739	10/02/09 09:21
2-Butanone (MEK)	< .01	mg/kg			WG443739	10/02/09 09:21
2-Chloroethyl vinyl ether	< .001	mg/kg			WG443739	10/02/09 09:21
2-Chlorotoluene	< .001	mg/kg			WG443739	10/02/09 09:21
4-Chlorotoluene	< .001	mg/kg			WG443739	10/02/09 09:21
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG443739	10/02/09 09:21
Acetone	< .05	mg/kg			WG443739	10/02/09 09:21
Acrylonitrile	< .01	mg/kg			WG443739	10/02/09 09:21
Benzene	< .001	mg/kg			WG443739	10/02/09 09:21
Bromobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Bromodichloromethane	< .001	mg/kg			WG443739	10/02/09 09:21
Bromoform	< .001	mg/kg			WG443739	10/02/09 09:21
Bromomethane	< .005	mg/kg			WG443739	10/02/09 09:21
Carbon tetrachloride	< .001	mg/kg			WG443739	10/02/09 09:21
Chlorobenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Chlorodibromomethane	< .001	mg/kg			WG443739	10/02/09 09:21
Chloroethane	< .005	mg/kg			WG443739	10/02/09 09:21
Chloroform	< .005	mg/kg			WG443739	10/02/09 09:21
Chloromethane	< .001	mg/kg			WG443739	10/02/09 09:21
cis-1,2-Dichloroethene	< .001	mg/kg			WG443739	10/02/09 09:21
cis-1,3-Dichloropropene	< .001	mg/kg			WG443739	10/02/09 09:21
Di-isopropyl ether	< .001	mg/kg			WG443739	10/02/09 09:21
Dibromomethane	< .001	mg/kg			WG443739	10/02/09 09:21
Dichlorodifluoromethane	< .005	mg/kg			WG443739	10/02/09 09:21
Ethylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Hexachloro-1,3-butadiene	< .001	mg/kg			WG443739	10/02/09 09:21
Isopropylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Methyl tert-butyl ether	< .001	mg/kg			WG443739	10/02/09 09:21
Methylene Chloride	< .005	mg/kg			WG443739	10/02/09 09:21
n-Butylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
n-Propylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Naphthalene	< .005	mg/kg			WG443739	10/02/09 09:21
p-Isopropyltoluene	< .001	mg/kg			WG443739	10/02/09 09:21
sec-Butylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Styrene	< .001	mg/kg			WG443739	10/02/09 09:21
tert-Butylbenzene	< .001	mg/kg			WG443739	10/02/09 09:21
Tetrachloroethene	< .001	mg/kg			WG443739	10/02/09 09:21
Toluene	< .005	mg/kg			WG443739	10/02/09 09:21
trans-1,2-Dichloroethene	< .001	mg/kg			WG443739	10/02/09 09:21
trans-1,3-Dichloropropene	< .001	mg/kg			WG443739	10/02/09 09:21
Trichloroethene	< .001	mg/kg			WG443739	10/02/09 09:21
Trichlorofluoromethane	< .005	mg/kg			WG443739	10/02/09 09:21
Vinyl chloride	< .001	mg/kg			WG443739	10/02/09 09:21
Xylenes, Total	< .003	mg/kg			WG443739	10/02/09 09:21
4-Bromofluorobenzene		% Rec.	100.0	59-140	WG443739	10/02/09 09:21
Dibromofluoromethane		% Rec.	102.9	63-139	WG443739	10/02/09 09:21
Toluene-d8		% Rec.	98.20	84-116	WG443739	10/02/09 09:21

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Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Arsenic	< 1	mg/kg			WG443070	10/02/09 00:32
Barium	< .25	mg/kg			WG443070	10/02/09 00:32
Cadmium	< .25	mg/kg			WG443070	10/02/09 00:32
Chromium	< .5	mg/kg			WG443070	10/02/09 00:32
Lead	< .25	mg/kg			WG443070	10/02/09 00:32
Selenium	< 1	mg/kg			WG443070	10/02/09 00:32
Silver	< .5	mg/kg			WG443070	10/02/09 00:32
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,1,1-Trichloroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,1,2-Trichloroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,1-Dichloroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,1-Dichloroethene	< .001	mg/l			WG443626	10/02/09 08:13
1,1-Dichloropropene	< .001	mg/l			WG443626	10/02/09 08:13
1,2,3-Trichlorobenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,2,3-Trichloropropane	< .001	mg/l			WG443626	10/02/09 08:13
1,2,3-Trimethylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,2,4-Trichlorobenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,2,4-Trimethylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG443626	10/02/09 08:13
1,2-Dibromoethane	< .001	mg/l			WG443626	10/02/09 08:13
1,2-Dichlorobenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,2-Dichloroethane	< .001	mg/l			WG443626	10/02/09 08:13
1,2-Dichloropropane	< .001	mg/l			WG443626	10/02/09 08:13
1,3,5-Trimethylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,3-Dichlorobenzene	< .001	mg/l			WG443626	10/02/09 08:13
1,3-Dichloropropane	< .001	mg/l			WG443626	10/02/09 08:13
1,4-Dichlorobenzene	< .001	mg/l			WG443626	10/02/09 08:13
2,2-Dichloropropane	< .001	mg/l			WG443626	10/02/09 08:13
2-Butanone (MEK)	< .01	mg/l			WG443626	10/02/09 08:13
2-Chloroethyl vinyl ether	< .001	mg/l			WG443626	10/02/09 08:13
2-Chlorotoluene	< .001	mg/l			WG443626	10/02/09 08:13
4-Chlorotoluene	< .001	mg/l			WG443626	10/02/09 08:13
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG443626	10/02/09 08:13
Acetone	< .05	mg/l			WG443626	10/02/09 08:13
Acrolein	< .05	mg/l			WG443626	10/02/09 08:13
Acrylonitrile	< .01	mg/l			WG443626	10/02/09 08:13
Benzene	< .001	mg/l			WG443626	10/02/09 08:13
Bromobenzene	< .001	mg/l			WG443626	10/02/09 08:13
Bromodichloromethane	< .001	mg/l			WG443626	10/02/09 08:13
Bromoform	< .001	mg/l			WG443626	10/02/09 08:13
Bromomethane	< .005	mg/l			WG443626	10/02/09 08:13
Carbon tetrachloride	< .001	mg/l			WG443626	10/02/09 08:13
Chlorobenzene	< .001	mg/l			WG443626	10/02/09 08:13
Chlorodibromomethane	< .001	mg/l			WG443626	10/02/09 08:13
Chloroethane	< .001	mg/l			WG443626	10/02/09 08:13
Chloroform	< .005	mg/l			WG443626	10/02/09 08:13
Chloromethane	< .001	mg/l			WG443626	10/02/09 08:13
cis-1,2-Dichloroethene	< .001	mg/l			WG443626	10/02/09 08:13
cis-1,3-Dichloropropene	< .001	mg/l			WG443626	10/02/09 08:13
Di-isopropyl ether	< .001	mg/l			WG443626	10/02/09 08:13
Dibromomethane	< .001	mg/l			WG443626	10/02/09 08:13
Dichlorodifluoromethane	< .005	mg/l			WG443626	10/02/09 08:13
Ethylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
Hexachloro-1,3-butadiene	< .001	mg/l			WG443626	10/02/09 08:13
Isopropylbenzene	< .001	mg/l			WG443626	10/02/09 08:13

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ENVIRONMENTAL  
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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Methyl tert-butyl ether	< .001	mg/l			WG443626	10/02/09 08:13
Methylene Chloride	< .005	mg/l			WG443626	10/02/09 08:13
n-Butylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
n-Propylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
Naphthalene	< .005	mg/l			WG443626	10/02/09 08:13
p-Isopropyltoluene	< .001	mg/l			WG443626	10/02/09 08:13
sec-Butylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
Styrene	< .001	mg/l			WG443626	10/02/09 08:13
tert-Butylbenzene	< .001	mg/l			WG443626	10/02/09 08:13
Tetrachloroethene	< .001	mg/l			WG443626	10/02/09 08:13
Toluene	< .005	mg/l			WG443626	10/02/09 08:13
trans-1,2-Dichloroethene	< .001	mg/l			WG443626	10/02/09 08:13
trans-1,3-Dichloropropene	< .001	mg/l			WG443626	10/02/09 08:13
Trichloroethene	< .001	mg/l			WG443626	10/02/09 08:13
Trichlorofluoromethane	< .005	mg/l			WG443626	10/02/09 08:13
Vinyl chloride	< .001	mg/l			WG443626	10/02/09 08:13
Xylenes, Total	< .003	mg/l			WG443626	10/02/09 08:13
4-Bromofluorobenzene		% Rec.	100.1	75-128	WG443626	10/02/09 08:13
Dibromofluoromethane		% Rec.	101.6	79-125	WG443626	10/02/09 08:13
Toluene-d8		% Rec.	102.7	87-114	WG443626	10/02/09 08:13
Arsenic	< 1	mg/kg			WG443307	10/02/09 12:32
Barium	< .25	mg/kg			WG443307	10/02/09 12:32
Cadmium	< .25	mg/kg			WG443307	10/02/09 12:32
Chromium	< .5	mg/kg			WG443307	10/02/09 12:32
Lead	< .25	mg/kg			WG443307	10/02/09 12:32
Selenium	< 1	mg/kg			WG443307	10/02/09 12:32
Silver	< .5	mg/kg			WG443307	10/02/09 12:32
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,1,1-Trichloroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,1,2-Trichloroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,1-Dichloroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,1-Dichloroethene	< .001	mg/kg			WG443808	10/03/09 01:04
1,1-Dichloropropene	< .001	mg/kg			WG443808	10/03/09 01:04
1,2,3-Trichlorobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,2,3-Trichloropropane	< .001	mg/kg			WG443808	10/03/09 01:04
1,2,3-Trimethylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,2,4-Trichlorobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,2,4-Trimethylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG443808	10/03/09 01:04
1,2-Dibromoethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,2-Dichlorobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,2-Dichloroethane	< .001	mg/kg			WG443808	10/03/09 01:04
1,2-Dichloropropane	< .001	mg/kg			WG443808	10/03/09 01:04
1,3,5-Trimethylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,3-Dichlorobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
1,3-Dichloropropane	< .001	mg/kg			WG443808	10/03/09 01:04
1,4-Dichlorobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
2,2-Dichloropropane	< .001	mg/kg			WG443808	10/03/09 01:04
2-Butanone (MEK)	< .01	mg/kg			WG443808	10/03/09 01:04
2-Chloroethyl vinyl ether	< .001	mg/kg			WG443808	10/03/09 01:04
2-Chlorotoluene	< .001	mg/kg			WG443808	10/03/09 01:04
4-Chlorotoluene	< .001	mg/kg			WG443808	10/03/09 01:04
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG443808	10/03/09 01:04

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

Boise, ID 83706

October 09, 2009

L424325

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Acetone	< .05	mg/kg			WG443808	10/03/09 01:04
Acrylonitrile	< .01	mg/kg			WG443808	10/03/09 01:04
Benzene	< .001	mg/kg			WG443808	10/03/09 01:04
Bromobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Bromodichloromethane	< .001	mg/kg			WG443808	10/03/09 01:04
Bromoform	< .001	mg/kg			WG443808	10/03/09 01:04
Bromomethane	< .005	mg/kg			WG443808	10/03/09 01:04
Carbon tetrachloride	< .001	mg/kg			WG443808	10/03/09 01:04
Chlorobenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Chlorodibromomethane	< .001	mg/kg			WG443808	10/03/09 01:04
Chloroethane	< .005	mg/kg			WG443808	10/03/09 01:04
Chloroform	< .005	mg/kg			WG443808	10/03/09 01:04
Chloromethane	< .001	mg/kg			WG443808	10/03/09 01:04
cis-1,2-Dichloroethene	< .001	mg/kg			WG443808	10/03/09 01:04
cis-1,3-Dichloropropene	< .001	mg/kg			WG443808	10/03/09 01:04
Di-isopropyl ether	< .001	mg/kg			WG443808	10/03/09 01:04
Dibromomethane	< .001	mg/kg			WG443808	10/03/09 01:04
Dichlorodifluoromethane	< .005	mg/kg			WG443808	10/03/09 01:04
Ethylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Hexachloro-1,3-butadiene	< .001	mg/kg			WG443808	10/03/09 01:04
Isopropylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Methyl tert-butyl ether	< .001	mg/kg			WG443808	10/03/09 01:04
Methylene Chloride	< .005	mg/kg			WG443808	10/03/09 01:04
n-Butylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
n-Propylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Naphthalene	< .005	mg/kg			WG443808	10/03/09 01:04
p-Isopropyltoluene	< .001	mg/kg			WG443808	10/03/09 01:04
sec-Butylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Styrene	< .001	mg/kg			WG443808	10/03/09 01:04
tert-Butylbenzene	< .001	mg/kg			WG443808	10/03/09 01:04
Tetrachloroethene	< .001	mg/kg			WG443808	10/03/09 01:04
Toluene	< .005	mg/kg			WG443808	10/03/09 01:04
trans-1,2-Dichloroethene	< .001	mg/kg			WG443808	10/03/09 01:04
trans-1,3-Dichloropropene	< .001	mg/kg			WG443808	10/03/09 01:04
Trichloroethene	< .001	mg/kg			WG443808	10/03/09 01:04
Trichlorofluoromethane	< .005	mg/kg			WG443808	10/03/09 01:04
Vinyl chloride	< .001	mg/kg			WG443808	10/03/09 01:04
Xylenes, Total	< .003	mg/kg			WG443808	10/03/09 01:04
4-Bromofluorobenzene		% Rec.	104.0	59-140	WG443808	10/03/09 01:04
Dibromofluoromethane		% Rec.	98.15	63-139	WG443808	10/03/09 01:04
Toluene-d8		% Rec.	101.0	84-116	WG443808	10/03/09 01:04
1,2-Dichloropropane	< .001	mg/kg			WG444151	10/05/09 17:13
Benzene	< .001	mg/kg			WG444151	10/05/09 17:13
4-Bromofluorobenzene		% Rec.	101.0	59-140	WG444151	10/05/09 17:13
Dibromofluoromethane		% Rec.	93.50	63-139	WG444151	10/05/09 17:13
Toluene-d8		% Rec.	99.13	84-116	WG444151	10/05/09 17:13
2,4,5-TP (Silvex)	< .07	mg/kg			WG443508	10/05/09 12:44
2,4-D	< .07	mg/kg			WG443508	10/05/09 12:44
Dalapon	< .8	mg/kg			WG443508	10/05/09 12:44
Dicamba	< .07	mg/kg			WG443508	10/05/09 12:44
Dichloroprop	< .07	mg/kg			WG443508	10/05/09 12:44
MCPA	< 6.5	mg/kg			WG443508	10/05/09 12:44
MCPP	< 6.5	mg/kg			WG443508	10/05/09 12:44
2,4-Dichlorophenyl Acetic Acid		%	83.51	37-99	WG443508	10/05/09 12:44
2,4,5-T	< .07	mg/kg			WG443508	10/05/09 19:53

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II  
L424325

October 09, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed	
		Units	% Rec				
2,4-DB	< .07	mg/kg			WG443508	10/05/09 19:53	
Dinoseb	< .07	mg/kg			WG443508	10/05/09 19:53	
Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Mercury	mg/kg	0.120	0.0710	52.1*	20	L424325-01	WG442852
Mercury	mg/kg	0.0330	0.0340	2.99	20	L424325-19	WG442853
Total Solids	%	77.0	78.8	2.51	5	L424324-01	WG443110
Total Solids	%	72.0	72.6	0.282	5	L424325-08	WG443111
Total Solids	%	74.0	74.9	1.01	5	L424325-18	WG443112
Total Solids	%	89.0	88.7	0.485	5	L424333-03	WG443113
Arsenic	mg/kg	3.90	4.30	9.25	20	L424325-17	WG443158
Barium	mg/kg	140.	140.	3.51	20	L424325-17	WG443158
Cadmium	mg/kg	1.10	1.20	8.70	20	L424325-17	WG443158
Chromium	mg/kg	19.0	19.0	1.59	20	L424325-17	WG443158
Lead	mg/kg	3.10	3.30	6.57	20	L424325-17	WG443158
Silver	mg/kg	0.720	0.760	5.68	20	L424325-17	WG443158
Barium	mg/kg	150.	150.	0.664	20	L424325-07	WG443154
Cadmium	mg/kg	1.00	1.00	0.995	20	L424325-07	WG443154
Chromium	mg/kg	18.0	18.0	1.12	20	L424325-07	WG443154
Lead	mg/kg	14.0	13.0	3.77	20	L424325-07	WG443154
Arsenic	mg/kg	0	0	0	20	L424325-07	WG443154
Selenium	mg/kg	0	0	0	20	L424325-07	WG443154
Silver	mg/kg	0	0	0	20	L424325-07	WG443154
Selenium	mg/kg	0	0	0	20	L424325-17	WG443158
Arsenic	mg/kg	0	0	0	20	L424325-05	WG443070
Barium	mg/kg	160.	170.	4.82	20	L424325-05	WG443070
Cadmium	mg/kg	2.50	2.50	0.797	20	L424325-05	WG443070
Chromium	mg/kg	20.0	20.0	0.499	20	L424325-05	WG443070
Lead	mg/kg	32.0	36.0	12.1	20	L424325-05	WG443070
Silver	mg/kg	0	0	0	20	L424325-05	WG443070
Selenium	mg/kg	0	0	0	20	L424325-05	WG443070
Arsenic	mg/kg	11.0	11.0	2.76	20	L424336-02	WG443307
Barium	mg/kg	70.0	76.0	8.50	20	L424336-02	WG443307
Cadmium	mg/kg	1.20	1.50	21.4*	20	L424336-02	WG443307
Chromium	mg/kg	24.0	28.0	15.0	20	L424336-02	WG443307
Lead	mg/kg	36.0	47.0	26.5*	20	L424336-02	WG443307
Selenium	mg/kg	0	0	0	20	L424336-02	WG443307

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Est. 1970

HDR - Boise, ID  
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Boise, ID 83706

Quality Assurance Report  
Level II  
L424325

October 09, 2009

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Silver	mg/kg	0	0	0	20	L424336-02	WG443307
Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch	
Mercury	mg/kg	8.77	11.1	127.	71.6-127.7	WG442852	
Mercury	mg/kg	8.77	11.1	127.	71.6-127.7	WG442853	
Total Solids	%	50	50.0	100.	85-115	WG443110	
Total Solids	%	50	50.0	100.	85-115	WG443111	
Total Solids	%	50	50.0	100.	85-115	WG443112	
Total Solids	%	50	50.0	100.	85-115	WG443113	
Arsenic	mg/kg	192	184.	95.8	78.6-120.8	WG443158	
Barium	mg/kg	420	416.	99.0	78.8-121.4	WG443158	
Cadmium	mg/kg	70.1	67.7	96.6	78.5-121.5	WG443158	
Chromium	mg/kg	168	166.	98.8	80.4-120.2	WG443158	
Lead	mg/kg	113	104.	92.0	77.3-122.1	WG443158	
Selenium	mg/kg	176	163.	92.6	75.6-125.0	WG443158	
Silver	mg/kg	115	111.	96.5	66-133.9	WG443158	
Arsenic	mg/kg	192	185.	96.4	78.6-120.8	WG443154	
Barium	mg/kg	420	429.	102.	78.8-121.4	WG443154	
Cadmium	mg/kg	70.1	66.8	95.3	78.5-121.5	WG443154	
Chromium	mg/kg	168	171.	102.	80.4-120.2	WG443154	
Lead	mg/kg	113	111.	98.2	77.3-122.1	WG443154	
Selenium	mg/kg	176	178.	101.	75.6-125.0	WG443154	
Silver	mg/kg	115	110.	95.7	66-133.9	WG443154	
2,4,5-T	mg/kg	.167	0.177	106.	40-122	WG443279	
2,4,5-TP (Silvex)	mg/kg	.167	0.169	101.	36-125	WG443279	
2,4-D	mg/kg	.167	0.156	93.2	33-119	WG443279	
2,4-DB	mg/kg	.167	0.182	109.	20-155	WG443279	
Dalapon	mg/kg	.167	0.113	67.9	10-127	WG443279	
Dicamba	mg/kg	.167	0.155	92.6	37-122	WG443279	
Dichloroprop	mg/kg	.167	0.141	84.5	40-110	WG443279	
Dinoseb	mg/kg	.167	0.0545	32.7	10-155	WG443279	
MCPA	mg/kg	16.7	13.6	81.3	23-161	WG443279	
MCPP	mg/kg	16.7	14.2	85.1	30-148	WG443279	
2,4-Dichlorophenyl Acetic Acid				111.6*	37-99	WG443279	
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0238	95.4	73-134	WG443739	
1,1,1-Trichloroethane	mg/kg	.025	0.0259	104.	62-135	WG443739	
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0239	95.7	74-129	WG443739	
1,1,2-Trichloroethane	mg/kg	.025	0.0248	99.2	77-124	WG443739	
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.025	0.0276	110.	49-155	WG443739	

\* Performance of this Analyte is outside of established criteria.  
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ENVIRONMENTAL  
SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

L424325

October 09, 2009

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
1,1-Dichloroethane	mg/kg	.025	0.0247	98.6	61-134	WG443739
1,1-Dichloroethene	mg/kg	.025	0.0232	92.7	53-136	WG443739
1,1-Dichloropropene	mg/kg	.025	0.0246	98.2	63-132	WG443739
1,2,3-Trichlorobenzene	mg/kg	.025	0.0245	98.1	62-146	WG443739
1,2,3-Trichloropropane	mg/kg	.025	0.0247	98.6	70-133	WG443739
1,2,3-Trimethylbenzene	mg/kg	.025	0.0249	99.6	73-126	WG443739
1,2,4-Trichlorobenzene	mg/kg	.025	0.0285	114.	61-148	WG443739
1,2,4-Trimethylbenzene	mg/kg	.025	0.0229	91.6	68-135	WG443739
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0251	100.	61-134	WG443739
1,2-Dibromoethane	mg/kg	.025	0.0248	99.0	76-127	WG443739
1,2-Dichlorobenzene	mg/kg	.025	0.0242	96.6	77-123	WG443739
1,2-Dichloroethane	mg/kg	.025	0.0246	98.2	58-141	WG443739
1,2-Dichloropropane	mg/kg	.025	0.0250	99.8	71-128	WG443739
1,3,5-Trimethylbenzene	mg/kg	.025	0.0232	93.0	71-133	WG443739
1,3-Dichlorobenzene	mg/kg	.025	0.0230	91.9	71-132	WG443739
1,3-Dichloropropane	mg/kg	.025	0.0231	92.4	76-120	WG443739
1,4-Dichlorobenzene	mg/kg	.025	0.0240	95.9	72-123	WG443739
2,2-Dichloropropane	mg/kg	.025	0.0256	103.	50-147	WG443739
2-Butanone (MEK)	mg/kg	.125	0.125	100.	51-131	WG443739
2-Chloroethyl vinyl ether	mg/kg	.125	0.0837	67.0	0-188	WG443739
2-Chlorotoluene	mg/kg	.025	0.0228	91.3	73-128	WG443739
4-Chlorotoluene	mg/kg	.025	0.0229	91.5	72-129	WG443739
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.137	109.	61-143	WG443739
Acetone	mg/kg	.125	0.127	102.	44-140	WG443739
Acrylonitrile	mg/kg	.125	0.131	105.	55-143	WG443739
Benzene	mg/kg	.025	0.0238	95.2	65-128	WG443739
Bromobenzene	mg/kg	.025	0.0230	91.8	75-123	WG443739
Bromodichloromethane	mg/kg	.025	0.0266	106.	66-126	WG443739
Bromoform	mg/kg	.025	0.0263	105.	64-139	WG443739
Bromomethane	mg/kg	.025	0.0261	104.	41-175	WG443739
Carbon tetrachloride	mg/kg	.025	0.0242	96.9	60-140	WG443739
Chlorobenzene	mg/kg	.025	0.0224	89.7	75-125	WG443739
Chlorodibromomethane	mg/kg	.025	0.0270	108.	72-137	WG443739
Chloroethane	mg/kg	.025	0.0284	114.	44-159	WG443739
Chloroform	mg/kg	.025	0.0261	105.	63-123	WG443739
Chloromethane	mg/kg	.025	0.0197	79.0	42-149	WG443739
cis-1,2-Dichloroethene	mg/kg	.025	0.0240	96.0	71-129	WG443739
cis-1,3-Dichloropropene	mg/kg	.025	0.0266	107.	73-132	WG443739
Di-isopropyl ether	mg/kg	.025	0.0254	101.	59-143	WG443739
Dibromomethane	mg/kg	.025	0.0245	97.9	70-130	WG443739
Dichlorodifluoromethane	mg/kg	.025	0.0179	71.7	26-186	WG443739
Ethylbenzene	mg/kg	.025	0.0231	92.5	74-128	WG443739
Hexachloro-1,3-butadiene	mg/kg	.025	0.0254	101.	65-137	WG443739
Isopropylbenzene	mg/kg	.025	0.0235	93.8	73-130	WG443739
Methyl tert-butyl ether	mg/kg	.025	0.0263	105.	44-148	WG443739
Methylene Chloride	mg/kg	.025	0.0229	91.6	57-129	WG443739
n-Butylbenzene	mg/kg	.025	0.0254	101.	60-145	WG443739
n-Propylbenzene	mg/kg	.025	0.0236	94.4	71-132	WG443739
Naphthalene	mg/kg	.025	0.0272	109.	61-142	WG443739
p-Isopropyltoluene	mg/kg	.025	0.0241	96.5	67-138	WG443739
sec-Butylbenzene	mg/kg	.025	0.0236	94.5	71-134	WG443739
Styrene	mg/kg	.025	0.0230	92.2	76-133	WG443739
tert-Butylbenzene	mg/kg	.025	0.0231	92.5	72-132	WG443739
Tetrachloroethene	mg/kg	.025	0.0232	92.9	65-135	WG443739
Toluene	mg/kg	.025	0.0241	96.4	70-120	WG443739
trans-1,2-Dichloroethene	mg/kg	.025	0.0227	90.6	61-133	WG443739
trans-1,3-Dichloropropene	mg/kg	.025	0.0254	102.	70-135	WG443739
Trichloroethene	mg/kg	.025	0.0237	94.8	71-126	WG443739
Trichlorofluoromethane	mg/kg	.025	0.0250	100.	52-147	WG443739

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
Vinyl chloride	mg/kg	.025	0.0214	85.6	50-151	WG443739
Xylenes, Total	mg/kg	.075	0.0674	89.9	74-127	WG443739
4-Bromofluorobenzene				94.18	59-140	WG443739
Dibromofluoromethane				99.01	63-139	WG443739
Toluene-d8				103.3	84-116	WG443739
Arsenic	mg/kg	192	187.	97.4	78.6-120.8	WG443070
Barium	mg/kg	420	428.	102.	78.8-121.4	WG443070
Cadmium	mg/kg	70.1	68.3	97.4	78.5-121.5	WG443070
Chromium	mg/kg	168	177.	105.	80.4-120.2	WG443070
Lead	mg/kg	113	120.	106.	77.3-122.1	WG443070
Selenium	mg/kg	176	165.	93.8	75.6-125.0	WG443070
Silver	mg/kg	115	119.	103.	66-133.9	WG443070
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0249	99.6	75-134	WG443626
1,1,1-Trichloroethane	mg/l	.025	0.0254	101.	67-137	WG443626
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0222	88.7	72-128	WG443626
1,1,2-Trichloroethane	mg/l	.025	0.0243	97.1	79-123	WG443626
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0320	128.	51-149	WG443626
1,1-Dichloroethane	mg/l	.025	0.0252	101.	67-133	WG443626
1,1-Dichloroethene	mg/l	.025	0.0289	116.	60-130	WG443626
1,1-Dichloropropene	mg/l	.025	0.0260	104.	68-132	WG443626
1,2,3-Trichlorobenzene	mg/l	.025	0.0255	102.	63-138	WG443626
1,2,3-Trichloropropane	mg/l	.025	0.0250	99.9	68-130	WG443626
1,2,3-Trimethylbenzene	mg/l	.025	0.0260	104.	70-127	WG443626
1,2,4-Trichlorobenzene	mg/l	.025	0.0250	100.	65-137	WG443626
1,2,4-Trimethylbenzene	mg/l	.025	0.0279	112.	72-135	WG443626
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0229	91.7	55-134	WG443626
1,2-Dibromoethane	mg/l	.025	0.0239	95.5	75-126	WG443626
1,2-Dichlorobenzene	mg/l	.025	0.0250	100.	75-122	WG443626
1,2-Dichloroethane	mg/l	.025	0.0241	96.3	63-137	WG443626
1,2-Dichloropropane	mg/l	.025	0.0250	100.	74-122	WG443626
1,3,5-Trimethylbenzene	mg/l	.025	0.0277	111.	73-134	WG443626
1,3-Dichlorobenzene	mg/l	.025	0.0257	103.	73-131	WG443626
1,3-Dichloropropane	mg/l	.025	0.0236	94.3	77-119	WG443626
1,4-Dichlorobenzene	mg/l	.025	0.0244	97.5	70-121	WG443626
2,2-Dichloropropane	mg/l	.025	0.0207	82.8	46-151	WG443626
2-Butanone (NEK)	mg/l	.125	0.134	107.	53-132	WG443626
2-Chloroethyl vinyl ether	mg/l	.125	0.129	103.	0-171	WG443626
2-Chlorotoluene	mg/l	.025	0.0265	106.	74-128	WG443626
4-Chlorotoluene	mg/l	.025	0.0266	106.	74-130	WG443626
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.117	93.9	60-142	WG443626
Acetone	mg/l	.125	0.147	118.	48-134	WG443626
Acrolein	mg/l	.125	0.0701	56.1	6-182	WG443626
Acrylonitrile	mg/l	.125	0.121	96.9	60-140	WG443626
Benzene	mg/l	.025	0.0250	99.9	67-126	WG443626
Bromobenzene	mg/l	.025	0.0254	102.	76-123	WG443626
Bromodichloromethane	mg/l	.025	0.0251	100.	68-133	WG443626
Bromoform	mg/l	.025	0.0255	102.	60-139	WG443626
Bromomethane	mg/l	.025	0.0279	112.	45-175	WG443626
Carbon tetrachloride	mg/l	.025	0.0233	93.1	64-141	WG443626
Chlorobenzene	mg/l	.025	0.0252	101.	77-125	WG443626
Chlorodibromomethane	mg/l	.025	0.0251	101.	73-138	WG443626
Chloroethane	mg/l	.025	0.0285	114.	49-155	WG443626
Chloroform	mg/l	.025	0.0252	101.	66-126	WG443626
Chloromethane	mg/l	.025	0.0276	110.	45-152	WG443626
cis-1,2-Dichloroethene	mg/l	.025	0.0246	98.3	72-128	WG443626

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

Boise, ID 83706

L424325

October 09, 2009

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
cis-1,3-Dichloropropene	mg/l	.025	0.0249	99.5	73-131	WG443626
Di-isopropyl ether	mg/l	.025	0.0271	108.	63-139	WG443626
Dibromomethane	mg/l	.025	0.0237	94.6	73-125	WG443626
Dichlorodifluoromethane	mg/l	.025	0.0244	97.5	39-189	WG443626
Ethylbenzene	mg/l	.025	0.0266	106.	76-129	WG443626
Hexachloro-1,3-butadiene	mg/l	.025	0.0241	96.3	67-135	WG443626
Isopropylbenzene	mg/l	.025	0.0258	103.	73-132	WG443626
Methyl tert-butyl ether	mg/l	.025	0.0270	108.	51-142	WG443626
Methylene Chloride	mg/l	.025	0.0240	96.1	64-125	WG443626
n-Butylbenzene	mg/l	.025	0.0270	108.	63-142	WG443626
n-Propylbenzene	mg/l	.025	0.0270	108.	71-132	WG443626
Naphthalene	mg/l	.025	0.0252	101.	56-145	WG443626
p-Isopropyltoluene	mg/l	.025	0.0273	109.	68-138	WG443626
sec-Butylbenzene	mg/l	.025	0.0279	112.	70-135	WG443626
Styrene	mg/l	.025	0.0242	96.8	78-130	WG443626
tert-Butylbenzene	mg/l	.025	0.0261	105.	72-134	WG443626
Tetrachloroethene	mg/l	.025	0.0251	100.	67-135	WG443626
Toluene	mg/l	.025	0.0249	99.5	72-122	WG443626
trans-1,2-Dichloroethene	mg/l	.025	0.0249	99.5	67-129	WG443626
trans-1,3-Dichloropropene	mg/l	.025	0.0262	105.	66-137	WG443626
Trichloroethene	mg/l	.025	0.0264	106.	74-126	WG443626
Trichlorofluoromethane	mg/l	.025	0.0232	92.8	54-156	WG443626
Vinyl chloride	mg/l	.025	0.0278	111.	55-153	WG443626
Xylenes, Total	mg/l	.075	0.0771	103.	75-128	WG443626
4-Bromofluorobenzene				102.2	75-128	WG443626
Dibromofluoromethane				101.1	79-125	WG443626
Toluene-d8				104.7	87-114	WG443626
Arsenic	mg/kg	192	180.	93.8	78.6-120.8	WG443307
Barium	mg/kg	420	410.	97.6	78.8-121.4	WG443307
Cadmium	mg/kg	70.1	64.6	92.2	78.5-121.5	WG443307
Chromium	mg/kg	168	168.	100.	80.4-120.2	WG443307
Lead	mg/kg	113	109.	96.5	77.3-122.1	WG443307
Selenium	mg/kg	176	166.	94.3	75.6-125.0	WG443307
Silver	mg/kg	115	109.	94.8	66-133.9	WG443307
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0243	97.0	73-134	WG443808
1,1,1-Trichloroethane	mg/kg	.025	0.0248	99.2	62-135	WG443808
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0220	87.8	74-129	WG443808
1,1,2-Trichloroethane	mg/kg	.025	0.0220	88.0	77-124	WG443808
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.025	0.0274	110.	49-155	WG443808
1,1-Dichloroethane	mg/kg	.025	0.0241	96.6	61-134	WG443808
1,1-Dichloroethene	mg/kg	.025	0.0265	106.	53-136	WG443808
1,1-Dichloropropene	mg/kg	.025	0.0263	105.	63-132	WG443808
1,2,3-Trichlorobenzene	mg/kg	.025	0.0219	87.8	62-146	WG443808
1,2,3-Trichloropropane	mg/kg	.025	0.0228	91.3	70-133	WG443808
1,2,3-Trimethylbenzene	mg/kg	.025	0.0215	85.8	73-126	WG443808
1,2,4-Trichlorobenzene	mg/kg	.025	0.0214	85.4	61-148	WG443808
1,2,4-Trimethylbenzene	mg/kg	.025	0.0242	96.7	68-135	WG443808
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0208	83.1	61-134	WG443808
1,2-Dibromoethane	mg/kg	.025	0.0238	95.0	76-127	WG443808
1,2-Dichlorobenzene	mg/kg	.025	0.0216	86.6	77-123	WG443808
1,2-Dichloroethane	mg/kg	.025	0.0230	91.9	58-141	WG443808
1,2-Dichloropropane	mg/kg	.025	0.0233	93.4	71-128	WG443808
1,3,5-Trimethylbenzene	mg/kg	.025	0.0248	99.1	71-133	WG443808
1,3-Dichlorobenzene	mg/kg	.025	0.0229	91.8	71-132	WG443808
1,3-Dichloropropane	mg/kg	.025	0.0221	88.3	76-120	WG443808

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HDR - Boise, ID  
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Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
1,4-Dichlorobenzene	mg/kg	.025	0.0207	82.9	72-123	WG443808
2,2-Dichloropropane	mg/kg	.025	0.0240	95.9	50-147	WG443808
2-Butanone (MEK)	mg/kg	.125	0.101	80.6	51-131	WG443808
2-Chloroethyl vinyl ether	mg/kg	.125	0.102	81.3	0-188	WG443808
2-Chlorotoluene	mg/kg	.025	0.0237	95.0	73-128	WG443808
4-Chlorotoluene	mg/kg	.025	0.0239	95.5	72-129	WG443808
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.101	81.1	61-143	WG443808
Acetone	mg/kg	.125	0.0818	65.5	44-140	WG443808
Acrylonitrile	mg/kg	.125	0.0964	77.2	55-143	WG443808
Benzene	mg/kg	.025	0.0242	96.8	65-128	WG443808
Bromobenzene	mg/kg	.025	0.0231	92.5	75-123	WG443808
Bromodichloromethane	mg/kg	.025	0.0210	84.1	66-126	WG443808
Bromoform	mg/kg	.025	0.0201	80.5	64-139	WG443808
Bromomethane	mg/kg	.025	0.0272	109.	41-175	WG443808
Carbon tetrachloride	mg/kg	.025	0.0270	108.	60-140	WG443808
Chlorobenzene	mg/kg	.025	0.0235	94.1	75-125	WG443808
Chlorodibromomethane	mg/kg	.025	0.0207	83.0	72-137	WG443808
Chloroethane	mg/kg	.025	0.0265	106.	44-159	WG443808
Chloroform	mg/kg	.025	0.0237	95.0	63-123	WG443808
Chloromethane	mg/kg	.025	0.0293	117.	42-149	WG443808
cis-1,2-Dichloroethene	mg/kg	.025	0.0252	101.	71-129	WG443808
cis-1,3-Dichloropropene	mg/kg	.025	0.0230	92.2	73-132	WG443808
Di-isopropyl ether	mg/kg	.025	0.0226	90.5	59-143	WG443808
Dibromomethane	mg/kg	.025	0.0227	90.6	70-130	WG443808
Dichlorodifluoromethane	mg/kg	.025	0.0313	125.	26-186	WG443808
Ethylbenzene	mg/kg	.025	0.0245	98.1	74-128	WG443808
Hexachloro-1,3-butadiene	mg/kg	.025	0.0220	88.1	65-137	WG443808
Isopropylbenzene	mg/kg	.025	0.0250	100.	73-130	WG443808
Methyl tert-butyl ether	mg/kg	.025	0.0209	83.7	44-148	WG443808
Methylene Chloride	mg/kg	.025	0.0218	87.4	57-129	WG443808
n-Butylbenzene	mg/kg	.025	0.0227	90.9	60-145	WG443808
n-Propylbenzene	mg/kg	.025	0.0243	97.3	71-132	WG443808
Naphthalene	mg/kg	.025	0.0224	89.7	61-142	WG443808
p-Isopropyltoluene	mg/kg	.025	0.0249	99.8	67-138	WG443808
sec-Butylbenzene	mg/kg	.025	0.0249	99.5	71-134	WG443808
Styrene	mg/kg	.025	0.0216	86.3	76-133	WG443808
tert-Butylbenzene	mg/kg	.025	0.0249	99.6	72-132	WG443808
Tetrachloroethene	mg/kg	.025	0.0254	102.	65-135	WG443808
Toluene	mg/kg	.025	0.0223	89.4	70-120	WG443808
trans-1,2-Dichloroethene	mg/kg	.025	0.0273	109.	61-133	WG443808
trans-1,3-Dichloropropene	mg/kg	.025	0.0197	78.8	70-135	WG443808
Trichloroethene	mg/kg	.025	0.0260	104.	71-126	WG443808
Trichlorofluoromethane	mg/kg	.025	0.0258	103.	52-147	WG443808
Vinyl chloride	mg/kg	.025	0.0269	108.	50-151	WG443808
Xylenes, Total	mg/kg	.075	0.0731	97.4	74-127	WG443808
4-Bromofluorobenzene				102.5	59-140	WG443808
Dibromofluoromethane				102.5	63-139	WG443808
Toluene-d8				99.61	84-116	WG443808
1,2-Dichloropropane	mg/kg	.025	0.0254	101.	71-128	WG444151
Benzene	mg/kg	.025	0.0245	98.1	65-128	WG444151
4-Bromofluorobenzene				101.3	59-140	WG444151
Dibromofluoromethane				98.83	63-139	WG444151
Toluene-d8				101.9	84-116	WG444151
2,4,5-TP (Silvex)	mg/kg	.167	0.148	88.5	36-125	WG443508
2,4-D	mg/kg	.167	0.145	86.7	33-119	WG443508

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Tax I.D. 62-0814289

Est. 1970

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

**Quality Assurance Report  
Level II**

October 09, 2009

L424325

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Dalapon	mg/kg	.167	0.115	68.8	10-127	WG443508
Dicamba	mg/kg	.167	0.143	85.5	37-122	WG443508
Dichloroprop	mg/kg	.167	0.127	76.0	40-110	WG443508
MCPA	mg/kg	16.7	14.0	83.6	23-161	WG443508
MCPP	mg/kg	16.7	19.7	118.	30-148	WG443508
2,4-Dichlorophenyl Acetic Acid				83.46	37-99	WG443508
2,4,5-T	mg/kg	.167	0.168	100.	40-122	WG443508
2,4-DB	mg/kg	.167	0.169	101.	20-155	WG443508
Dinoseb	mg/kg	.167	0.0198	11.9	10-155	WG443508

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
2,4,5-T	mg/kg	0.155	0.177	93.0	40-122	13.2	27	WG443279
2,4,5-TP (Silvex)	mg/kg	0.147	0.169	88.0	36-125	14.0	26	WG443279
2,4-D	mg/kg	0.135	0.156	80.0	74-129	14.6	28	WG443279
2,4-DB	mg/kg	0.159	0.182	95.0	20-155	13.5	28	WG443279
Dalapon	mg/kg	0.0965	0.113	58.0	10-127	16.1	44	WG443279
Dicamba	mg/kg	0.134	0.155	80.0	37-122	14.5	25	WG443279
Dichloroprop	mg/kg	0.122	0.141	73.0	40-110	14.9	23	WG443279
Dinoseb	mg/kg	0.0350	0.0545	21.0	10-155	43.6	50	WG443279
MCPA	mg/kg	11.6	13.6	70.0	23-161	15.5	27	WG443279
MCPP	mg/kg	13.8	14.2	82.0	30-148	3.31	24	WG443279
2,4-Dichlorophenyl Acetic Acid				93.62	37-99			WG443279
1,1,1,2-Tetrachloroethane	mg/kg	0.0259	0.0238	104.	73-134	8.39	20	WG443739
1,1,1-Trichloroethane	mg/kg	0.0271	0.0259	108.	62-135	4.45	20	WG443739
1,1,2,2-Tetrachloroethane	mg/kg	0.0245	0.0239	98.0	74-129	2.31	20	WG443739
1,1,2-Trichloroethane	mg/kg	0.0249	0.0248	100.	77-124	0.442	20	WG443739
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0292	0.0276	117.	49-155	5.87	20	WG443739
1,1-Dichloroethane	mg/kg	0.0254	0.0247	102.	61-134	2.96	20	WG443739
1,1-Dichloroethene	mg/kg	0.0246	0.0232	98.0	53-136	6.04	20	WG443739
1,1-Dichloropropene	mg/kg	0.0249	0.0246	100.	63-132	1.59	20	WG443739
1,2,3-Trichlorobenzene	mg/kg	0.0262	0.0245	105.	62-146	6.70	20	WG443739
1,2,3-Trichloropropane	mg/kg	0.0246	0.0247	98.0	70-133	0.0209	20	WG443739
1,2,3-Trimethylbenzene	mg/kg	0.0251	0.0249	100.	73-126	0.825	20	WG443739
1,2,4-Trichlorobenzene	mg/kg	0.0300	0.0285	120.	61-148	5.01	20	WG443739
1,2,4-Trimethylbenzene	mg/kg	0.0254	0.0229	102.	68-135	10.4	20	WG443739
1,2-Dibromo-3-Chloropropane	mg/kg	0.0223	0.0251	89.0	61-134	11.7	21	WG443739
1,2-Dibromoethane	mg/kg	0.0254	0.0248	101.	76-127	2.40	20	WG443739
1,2-Dichlorobenzene	mg/kg	0.0243	0.0242	97.0	77-123	0.781	20	WG443739
1,2-Dichloroethane	mg/kg	0.0249	0.0246	100.	58-141	1.52	20	WG443739
1,2-Dichloropropane	mg/kg	0.0235	0.0250	94.0	71-128	6.14	20	WG443739
1,3,5-Trimethylbenzene	mg/kg	0.0254	0.0232	102.	71-133	8.99	20	WG443739
1,3-Dichlorobenzene	mg/kg	0.0245	0.0230	98.0	71-132	6.40	20	WG443739
1,3-Dichloropropane	mg/kg	0.0231	0.0231	92.0	76-120	0.0512	20	WG443739
1,4-Dichlorobenzene	mg/kg	0.0242	0.0240	97.0	72-123	0.825	20	WG443739
2,2-Dichloropropane	mg/kg	0.0264	0.0256	106.	50-147	3.01	20	WG443739
2-Butanone (MEK)	mg/kg	0.116	0.125	93.0	51-131	7.27	25	WG443739
2-Chloroethyl vinyl ether	mg/kg	0.0667	0.0837	53.0	0-188	22.7	39	WG443739
2-Chlorotoluene	mg/kg	0.0249	0.0228	100.	73-128	8.71	20	WG443739
4-Chlorotoluene	mg/kg	0.0248	0.0229	99.0	72-129	7.97	20	WG443739
4-Methyl-2-pentanone (MIBK)	mg/kg	0.123	0.137	98.0	61-143	10.5	23	WG443739
Acetone	mg/kg	0.115	0.127	92.0	44-140	9.90	25	WG443739
Acrylonitrile	mg/kg	0.120	0.131	96.0	55-143	9.01	20	WG443739
Benzene	mg/kg	0.0246	0.0238	98.0	65-128	3.22	20	WG443739
Bromobenzene	mg/kg	0.0247	0.0230	99.0	75-123	7.21	20	WG443739
Bromodichloromethane	mg/kg	0.0260	0.0266	104.	66-126	2.43	20	WG443739

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HDR - Boise, ID  
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Quality Assurance Report  
Level II

Boise, ID 83706

L424325

October 09, 2009

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Bromoform	mg/kg	0.0272	0.0263	109.	64-139	3.38	20	WG443739
Bromomethane	mg/kg	0.0259	0.0261	103.	41-175	0.910	20	WG443739
Carbon tetrachloride	mg/kg	0.0250	0.0242	100.	60-140	2.97	20	WG443739
Chlorobenzene	mg/kg	0.0242	0.0224	97.0	75-125	7.59	20	WG443739
Chlorodibromomethane	mg/kg	0.0279	0.0270	112.	72-137	3.34	20	WG443739
Chloroethane	mg/kg	0.0289	0.0284	115.	44-159	1.51	20	WG443739
Chloroform	mg/kg	0.0265	0.0261	106.	63-123	1.43	20	WG443739
Chloromethane	mg/kg	0.0210	0.0197	84.0	42-149	6.11	20	WG443739
cis-1,2-Dichloroethene	mg/kg	0.0245	0.0240	98.0	71-129	2.00	20	WG443739
cis-1,3-Dichloropropene	mg/kg	0.0257	0.0266	103.	73-132	3.63	20	WG443739
Di-isopropyl ether	mg/kg	0.0257	0.0254	103.	59-143	1.49	20	WG443739
Dibromomethane	mg/kg	0.0240	0.0245	96.0	70-130	1.90	20	WG443739
Dichlorodifluoromethane	mg/kg	0.0190	0.0179	76.0	26-186	5.92	22	WG443739
Ethylbenzene	mg/kg	0.0247	0.0231	99.0	74-128	6.74	20	WG443739
Hexachloro-1,3-butadiene	mg/kg	0.0274	0.0254	110.	65-137	7.85	20	WG443739
Isopropylbenzene	mg/kg	0.0254	0.0235	102.	73-130	7.97	20	WG443739
Methyl tert-butyl ether	mg/kg	0.0262	0.0263	105.	44-148	0.503	20	WG443739
Methylene Chloride	mg/kg	0.0229	0.0229	92.0	57-129	0.0705	20	WG443739
n-Butylbenzene	mg/kg	0.0264	0.0254	106.	60-145	4.08	20	WG443739
n-Propylbenzene	mg/kg	0.0256	0.0236	102.	71-132	8.07	20	WG443739
Naphthalene	mg/kg	0.0283	0.0272	113.	61-142	4.02	20	WG443739
p-Isopropyltoluene	mg/kg	0.0261	0.0241	104.	67-138	7.95	20	WG443739
sec-Butylbenzene	mg/kg	0.0257	0.0236	103.	71-134	8.39	20	WG443739
Styrene	mg/kg	0.0249	0.0230	99.0	76-133	7.60	20	WG443739
tert-Butylbenzene	mg/kg	0.0250	0.0231	100.	72-132	7.89	20	WG443739
Tetrachloroethene	mg/kg	0.0245	0.0232	98.0	65-135	5.28	20	WG443739
Toluene	mg/kg	0.0241	0.0241	96.0	70-120	0.123	20	WG443739
trans-1,2-Dichloroethene	mg/kg	0.0233	0.0227	93.0	61-133	2.64	20	WG443739
trans-1,3-Dichloropropene	mg/kg	0.0241	0.0254	96.0	70-135	5.16	20	WG443739
Trichloroethene	mg/kg	0.0241	0.0237	96.0	71-126	1.80	20	WG443739
Trichlorofluoromethane	mg/kg	0.0255	0.0250	102.	52-147	2.03	20	WG443739
Vinyl chloride	mg/kg	0.0211	0.0214	84.0	50-151	1.25	20	WG443739
Xylenes, Total	mg/kg	0.0731	0.0674	97.0	74-127	8.09	20	WG443739
4-Bromofluorobenzene				100.7	59-140			WG443739
Dibromofluoromethane				100.8	63-139			WG443739
Toluene-d8				101.2	84-116			WG443739
1,1,1,2-Tetrachloroethane	mg/l	0.0239	0.0249	96.0	75-134	4.13	20	WG443626
1,1,1-Trichloroethane	mg/l	0.0238	0.0254	95.0	67-137	6.50	20	WG443626
1,1,2,2-Tetrachloroethane	mg/l	0.0211	0.0222	84.0	72-128	4.87	20	WG443626
1,1,2-Trichloroethane	mg/l	0.0234	0.0243	93.0	79-123	3.87	20	WG443626
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0288	0.0320	115.	51-149	10.6	20	WG443626
1,1-Dichloroethane	mg/l	0.0239	0.0252	96.0	67-133	5.14	20	WG443626
1,1-Dichloroethene	mg/l	0.0268	0.0289	107.	60-130	7.76	20	WG443626
1,1-Dichloropropene	mg/l	0.0244	0.0260	97.0	68-132	6.30	20	WG443626
1,2,3-Trichlorobenzene	mg/l	0.0247	0.0255	99.0	63-138	3.23	20	WG443626
1,2,3-Trichloropropene	mg/l	0.0240	0.0250	96.0	68-130	4.12	20	WG443626
1,2,3-Trimethylbenzene	mg/l	0.0248	0.0260	99.0	70-127	4.64	20	WG443626
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0250	97.0	65-137	3.47	20	WG443626
1,2,4-Trimethylbenzene	mg/l	0.0263	0.0279	105.	72-135	5.83	20	WG443626
1,2-Dibromo-3-Chloropropene	mg/l	0.0217	0.0229	87.0	55-134	5.34	20	WG443626
1,2-Dibromoethane	mg/l	0.0234	0.0239	94.0	75-126	2.16	20	WG443626
1,2-Dichlorobenzene	mg/l	0.0239	0.0250	96.0	75-122	4.56	20	WG443626
1,2-Dichloroethane	mg/l	0.0230	0.0241	92.0	63-137	4.64	20	WG443626
1,2-Dichloropropene	mg/l	0.0240	0.0250	96.0	74-122	4.15	20	WG443626
1,3,5-Trimethylbenzene	mg/l	0.0261	0.0277	104.	73-134	6.15	20	WG443626
1,3-Dichlorobenzene	mg/l	0.0245	0.0257	98.0	73-131	4.89	20	WG443626
1,3-Dichloropropene	mg/l	0.0228	0.0236	91.0	77-119	3.30	20	WG443626

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Quality Assurance Report  
Level II

L424325

October 09, 2009

Analyte	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
1,4-Dichlorobenzene	mg/l	0.0234	0.0244	93.0	70-121	4.32	20	WG443626
2,2-Dichloropropane	mg/l	0.0193	0.0207	77.0	46-151	6.87	20	WG443626
2-Butanone (MEK)	mg/l	0.126	0.134	101.	53-132	6.22	20	WG443626
2-Chloroethyl vinyl ether	mg/l	0.123	0.129	98.0	0-171	4.87	27	WG443626
2-Chlorotoluene	mg/l	0.0252	0.0265	101.	74-128	4.77	20	WG443626
4-Chlorotoluene	mg/l	0.0253	0.0266	101.	74-130	4.81	20	WG443626
4-Methyl-2-pentanone (MIBK)	mg/l	0.111	0.117	89.0	60-142	5.74	20	WG443626
Acetone	mg/l	0.134	0.147	107.	48-134	9.54	20	WG443626
Acrolein	mg/l	0.0672	0.0701	54.0	6-182	4.22	39	WG443626
Acrylonitrile	mg/l	0.111	0.121	88.0	60-140	9.11	20	WG443626
Benzene	mg/l	0.0235	0.0250	94.0	67-126	5.99	20	WG443626
Bromobenzene	mg/l	0.0242	0.0254	97.0	76-123	4.81	20	WG443626
Bromodichloromethane	mg/l	0.0238	0.0251	95.0	68-133	5.34	20	WG443626
Bromoform	mg/l	0.0241	0.0255	96.0	60-139	5.62	20	WG443626
Bromomethane	mg/l	0.0258	0.0279	103.	45-175	8.11	20	WG443626
Carbon tetrachloride	mg/l	0.0216	0.0233	86.0	64-141	7.28	20	WG443626
Chlorobenzene	mg/l	0.0240	0.0252	96.0	77-125	4.74	20	WG443626
Chlorodibromomethane	mg/l	0.0244	0.0251	98.0	73-138	2.78	20	WG443626
Chloroethane	mg/l	0.0260	0.0285	104.	49-155	9.00	20	WG443626
Chloroform	mg/l	0.0238	0.0252	95.0	66-126	5.76	20	WG443626
Chloromethane	mg/l	0.0251	0.0276	100.	45-152	9.44	20	WG443626
cis-1,2-Dichloroethene	mg/l	0.0236	0.0246	94.0	72-128	3.88	20	WG443626
cis-1,3-Dichloropropene	mg/l	0.0236	0.0249	94.0	73-131	5.20	20	WG443626
Di-isopropyl ether	mg/l	0.0262	0.0271	105.	63-139	3.11	20	WG443626
Dibromomethane	mg/l	0.0225	0.0237	90.0	73-125	4.83	20	WG443626
Dichlorodifluoromethane	mg/l	0.0225	0.0244	90.0	39-189	8.03	24	WG443626
Ethylbenzene	mg/l	0.0252	0.0266	101.	76-129	5.18	20	WG443626
Hexachloro-1,3-butadiene	mg/l	0.0228	0.0241	91.0	67-135	5.51	20	WG443626
Isopropylbenzene	mg/l	0.0244	0.0258	98.0	73-132	5.57	20	WG443626
Methyl tert-butyl ether	mg/l	0.0249	0.0270	99.0	51-142	8.34	20	WG443626
Methylene Chloride	mg/l	0.0222	0.0240	89.0	64-125	7.94	20	WG443626
n-Butylbenzene	mg/l	0.0257	0.0270	103.	63-142	5.03	20	WG443626
n-Propylbenzene	mg/l	0.0255	0.0270	102.	71-132	5.67	20	WG443626
Naphthalene	mg/l	0.0242	0.0252	97.0	56-145	4.06	20	WG443626
p-Isopropyltoluene	mg/l	0.0257	0.0273	103.	68-138	6.19	20	WG443626
sec-Butylbenzene	mg/l	0.0263	0.0279	105.	70-135	6.12	20	WG443626
Styrene	mg/l	0.0231	0.0242	92.0	78-130	4.64	20	WG443626
tert-Butylbenzene	mg/l	0.0246	0.0261	98.0	72-134	6.20	20	WG443626
Tetrachloroethene	mg/l	0.0237	0.0251	95.0	67-135	5.72	20	WG443626
Toluene	mg/l	0.0233	0.0249	93.0	72-122	6.60	20	WG443626
trans-1,2-Dichloroethene	mg/l	0.0231	0.0249	92.0	67-129	7.60	20	WG443626
trans-1,3-Dichloropropene	mg/l	0.0246	0.0262	98.0	66-137	6.28	20	WG443626
Trichloroethene	mg/l	0.0247	0.0264	99.0	74-126	6.77	20	WG443626
Trichlorofluoromethane	mg/l	0.0260	0.0232	104.	54-156	11.6	20	WG443626
Vinyl chloride	mg/l	0.0254	0.0278	102.	55-153	9.11	20	WG443626
Xylenes, Total	mg/l	0.0734	0.0771	98.0	75-128	4.88	20	WG443626
4-Bromofluorobenzene				102.6	75-128			WG443626
Dibromofluoromethane				101.0	79-125			WG443626
Toluene-d8				103.7	87-114			WG443626
1,1,1,2-Tetrachloroethane	mg/kg	0.0234	0.0243	94.0	73-134	3.41	20	WG443808
1,1,1-Trichloroethane	mg/kg	0.0238	0.0248	95.0	62-135	4.01	20	WG443808
1,1,2,2-Tetrachloroethane	mg/kg	0.0221	0.0220	88.0	74-129	0.444	20	WG443808
1,1,2-Trichloroethane	mg/kg	0.0218	0.0220	87.0	77-124	1.07	20	WG443808
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0257	0.0274	103.	49-155	6.58	20	WG443808
1,1-Dichloroethane	mg/kg	0.0235	0.0241	94.0	61-134	2.79	20	WG443808
1,1-Dichloroethene	mg/kg	0.0255	0.0265	102.	53-136	3.99	20	WG443808
1,1-Dichloropropene	mg/kg	0.0257	0.0263	103.	63-132	2.51	20	WG443808

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Est. 1970

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

Quality Assurance Report  
Level II

Boise, ID 83706

October 09, 2009

L424325

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
1,2,3-Trichlorobenzene	mg/kg	0.0224	0.0219	90.0	62-146	2.02	20	WG443808
1,2,3-Trichloropropane	mg/kg	0.0234	0.0228	94.0	70-133	2.55	20	WG443808
1,2,3-Trimethylbenzene	mg/kg	0.0216	0.0215	86.0	73-126	0.627	20	WG443808
1,2,4-Trichlorobenzene	mg/kg	0.0218	0.0214	87.0	61-148	2.15	20	WG443808
1,2,4-Trimethylbenzene	mg/kg	0.0233	0.0242	93.0	68-135	3.80	20	WG443808
1,2-Dibromo-3-Chloropropane	mg/kg	0.0221	0.0208	88.0	61-134	6.34	21	WG443808
1,2-Dibromoethane	mg/kg	0.0240	0.0238	96.0	76-127	1.05	20	WG443808
1,2-Dichlorobenzene	mg/kg	0.0219	0.0216	87.0	77-123	1.02	20	WG443808
1,2-Dichloroethane	mg/kg	0.0231	0.0230	92.0	58-141	0.780	20	WG443808
1,2-Dichloropropane	mg/kg	0.0230	0.0233	92.0	71-128	1.58	20	WG443808
1,3,5-Trimethylbenzene	mg/kg	0.0240	0.0248	96.0	71-133	3.25	20	WG443808
1,3-Dichlorobenzene	mg/kg	0.0228	0.0229	91.0	71-132	0.504	20	WG443808
1,3-Dichloropropane	mg/kg	0.0219	0.0221	87.0	76-120	0.986	20	WG443808
1,4-Dichlorobenzene	mg/kg	0.0208	0.0207	83.0	72-123	0.412	20	WG443808
2,2-Dichloropropane	mg/kg	0.0235	0.0240	94.0	50-147	1.96	20	WG443808
2-Butanone (MEK)	mg/kg	0.107	0.101	86.0	51-131	6.23	25	WG443808
2-Chloroethyl vinyl ether	mg/kg	0.104	0.102	83.0	0-188	2.15	39	WG443808
2-Chlorotoluene	mg/kg	0.0228	0.0237	91.0	73-128	3.97	20	WG443808
4-Chlorotoluene	mg/kg	0.0229	0.0239	92.0	72-129	3.98	20	WG443808
4-Methyl-2-pentanone (MIBK)	mg/kg	0.106	0.101	85.0	61-143	4.89	23	WG443808
Acetone	mg/kg	0.0859	0.0818	69.0	44-140	4.87	25	WG443808
Acrylonitrile	mg/kg	0.101	0.0964	81.0	55-143	4.49	20	WG443808
Benzene	mg/kg	0.0235	0.0242	94.0	65-128	2.71	20	WG443808
Bromobenzene	mg/kg	0.0220	0.0231	88.0	75-123	5.02	20	WG443808
Bromodichloromethane	mg/kg	0.0206	0.0210	82.0	66-126	1.99	20	WG443808
Bromoform	mg/kg	0.0199	0.0201	80.0	64-139	0.938	20	WG443808
Bromomethane	mg/kg	0.0265	0.0272	106.	41-175	2.42	20	WG443808
Carbon tetrachloride	mg/kg	0.0258	0.0270	103.	60-140	4.60	20	WG443808
Chlorobenzene	mg/kg	0.0228	0.0235	91.0	75-125	2.93	20	WG443808
Chlorodibromomethane	mg/kg	0.0204	0.0207	82.0	72-137	1.46	20	WG443808
Chloroethane	mg/kg	0.0256	0.0265	102.	44-159	3.83	20	WG443808
Chloroform	mg/kg	0.0232	0.0237	93.0	63-123	2.16	20	WG443808
Chloromethane	mg/kg	0.0272	0.0293	109.	42-149	7.11	20	WG443808
cis-1,2-Dichloroethene	mg/kg	0.0246	0.0252	98.0	71-129	2.38	20	WG443808
cis-1,3-Dichloropropene	mg/kg	0.0230	0.0230	92.0	73-132	0.390	20	WG443808
Di-isopropyl ether	mg/kg	0.0223	0.0226	89.0	59-143	1.53	20	WG443808
Dibromomethane	mg/kg	0.0227	0.0227	91.0	70-130	0.166	20	WG443808
Dichlorodifluoromethane	mg/kg	0.0301	0.0313	120.	26-186	3.67	22	WG443808
Ethylbenzene	mg/kg	0.0235	0.0245	94.0	74-128	4.11	20	WG443808
Hexachloro-1,3-butadiene	mg/kg	0.0218	0.0220	87.0	65-137	0.891	20	WG443808
Isopropylbenzene	mg/kg	0.0242	0.0250	97.0	73-130	3.16	20	WG443808
Methyl tert-butyl ether	mg/kg	0.0212	0.0209	85.0	44-148	1.50	20	WG443808
Methylene Chloride	mg/kg	0.0212	0.0218	85.0	57-129	2.99	20	WG443808
n-Butylbenzene	mg/kg	0.0224	0.0227	90.0	60-145	1.20	20	WG443808
n-Propylbenzene	mg/kg	0.0231	0.0243	92.0	71-132	4.96	20	WG443808
Naphthalene	mg/kg	0.0236	0.0224	94.0	61-142	5.17	20	WG443808
p-Isopropyltoluene	mg/kg	0.0240	0.0249	96.0	67-138	3.81	20	WG443808
sec-Butylbenzene	mg/kg	0.0236	0.0249	94.0	71-134	5.17	20	WG443808
Styrene	mg/kg	0.0208	0.0216	83.0	76-133	3.92	20	WG443808
tert-Butylbenzene	mg/kg	0.0239	0.0249	95.0	72-132	4.16	20	WG443808
Tetrachloroethene	mg/kg	0.0240	0.0254	96.0	65-135	5.63	20	WG443808
Toluene	mg/kg	0.0216	0.0223	86.0	70-120	3.59	20	WG443808
trans-1,2-Dichloroethene	mg/kg	0.0264	0.0273	106.	61-133	3.37	20	WG443808
trans-1,3-Dichloropropene	mg/kg	0.0200	0.0197	80.0	70-135	1.68	20	WG443808
Trichloroethene	mg/kg	0.0249	0.0260	100.	71-126	4.17	20	WG443808
Trichlorofluoromethane	mg/kg	0.0245	0.0258	98.0	52-147	5.36	20	WG443808
Vinyl chloride	mg/kg	0.0254	0.0269	102.	50-151	5.60	20	WG443808
Xylenes, Total	mg/kg	0.0701	0.0731	93.0	74-127	4.14	20	WG443808
4-Bromofluorobenzene	mg/kg			103.0	59-140			WG443808

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ENVIRONMENTAL  
SCIENCE CORP.

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Dibromofluoromethane				101.1	63-139			
Toluene-d8				99.21	84-116			
1,2-Dichloropropane	mg/kg	0.0258	0.0254	103.	71-128	1.75	20	
Benzene	mg/kg	0.0246	0.0245	98.0	65-128	0.203	20	
4-Bromofluorobenzene				96.03	59-140		WG444151	
Dibromofluoromethane				97.52	63-139		WG444151	
Toluene-d8				104.7	84-116		WG444151	
2,4,5-TP (Silvex)	mg/kg	0.142	0.148	85.0	36-125	3.67	26	
2,4-D	mg/kg	0.137	0.145	82.0	33-119	5.76	28	
Dalapon	mg/kg	0.112	0.115	67.0	10-127	2.25	44	
Dicamba	mg/kg	0.145	0.143	87.0	37-122	1.67	25	
Dichloroprop	mg/kg	0.126	0.127	76.0	40-110	0.634	23	
MCPA	mg/kg	12.0	14.0	72.0	23-161	15.2	27	
MCPP	mg/kg	17.8	19.7	107.	30-148	9.78	24	
2,4-Dichlorophenyl Acetic Acid				83.29	37-99		WG443508	
2,4,5-T	mg/kg	0.199	0.168	119.	40-122	17.0	27	
2,4-DB	mg/kg	0.145	0.169	87.0	20-155	15.4	28	
Dinoseb	mg/kg	0.0593	0.0198	36.0	10-155	99.8*	50	

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Mercury	mg/kg	0.314	0.0710	.25	97.2	70-130	L424325-01	WG442852
Mercury	mg/kg	0.277	0.0340	.25	97.2	70-130	L424325-19	WG442853
Arsenic	mg/kg	50.5	4.30	50	92.4	75-125	L424325-17	WG443158
Barium	mg/kg	192.	140.	50	104.	75-125	L424325-17	WG443158
Cadmium	mg/kg	46.6	1.20	50	90.8	75-125	L424325-17	WG443158
Chromium	mg/kg	65.5	19.0	50	93.0	75-125	L424325-17	WG443158
Lead	mg/kg	48.1	3.30	50	89.6	75-125	L424325-17	WG443158
Silver	mg/kg	46.0	0.760	50	90.5	75-125	L424325-17	WG443158
Barium	mg/kg	195.	150.	50	90.0	75-125	L424325-07	WG443154
Cadmium	mg/kg	45.5	1.00	50	89.0	75-125	L424325-07	WG443154
Chromium	mg/kg	63.7	18.0	50	91.4	75-125	L424325-07	WG443154
Lead	mg/kg	57.7	13.0	50	89.4	75-125	L424325-07	WG443154
Arsenic	mg/kg	37.5	0	50	15.0*	75-125	L424325-07	WG443154
Selenium	mg/kg	46.6	0	50	18.6*	75-125	L424325-07	WG443154
Silver	mg/kg	47.4	0	50	19.0*	75-125	L424325-07	WG443154
Selenium	mg/kg	29.4	0	5	58.8*	75-125	L424325-17	WG443158
2,4,5-T	mg/kg	0.0950	0	.167	56.9	30-125	L424325-17	WG443279
2,4,5-TP (Silvex)	mg/kg	0.117	0	.167	70.0	34-126	L424325-17	WG443279
2,4-D	mg/kg	0.119	0	.167	71.6	14-130	L424325-17	WG443279
2,4-DB	mg/kg	0.0955	0	.167	57.2	35-155	L424325-17	WG443279
Dalapon	mg/kg	0.0973	0	.167	58.2	10-155	L424325-17	WG443279
Dicamba	mg/kg	0.119	0	.167	71.0	31-121	L424325-17	WG443279
Dichloroprop	mg/kg	0.0984	0	.167	58.9	22-128	L424325-17	WG443279
Dinoseb	mg/kg	0.136	0	.167	81.6	10-155	L424325-17	WG443279
MCPA	mg/kg	11.4	0	16.7	68.2	35-174	L424325-17	WG443279

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**Quality Assurance Report  
Level II**

October 09, 2009

L424325

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
MCPP	mg/kg	7.27	0	16.7	43.5	15-156	L424325-17	WG443279
2,4-Dichlorophenyl Acetic Acid					208.9*	37-99		WG443279
1,1,1,2-Tetrachloroethane	mg/kg	0.107	0	.025	85.9	29-145	L424325-01	WG443739
1,1,1-Trichloroethane	mg/kg	0.149	0	.025	119.	23-147	L424325-01	WG443739
1,1,2,2-Tetrachloroethane	mg/kg	0.109	0	.025	87.4	18-150	L424325-01	WG443739
1,1,2-Trichloroethane	mg/kg	0.123	0	.025	98.3	35-140	L424325-01	WG443739
1,1,2-Trichloro-1,1,2,2-trifluoroethane	mg/kg	0.152	0	.025	122.	10-145	L424325-01	WG443739
1,1-Dichloroethane	mg/kg	0.149	0	.025	119.	24-148	L424325-01	WG443739
1,1-Dichloroethene	mg/kg	0.149	0	.025	119.	10-149	L424325-01	WG443739
1,1-Dichloropropene	mg/kg	0.138	0	.025	110.	10-141	L424325-01	WG443739
1,2,3-Trichlorobenzene	mg/kg	0.0334	0	.025	26.7	10-129	L424325-01	WG443739
1,2,3-Trichloropropane	mg/kg	0.115	0	.025	91.9	30-148	L424325-01	WG443739
1,2,3-Trimethylbenzene	mg/kg	0.0894	0	.025	71.5	10-137	L424325-01	WG443739
1,2,4-Trichlorobenzene	mg/kg	0.0396	0	.025	31.7	10-119	L424325-01	WG443739
1,2,4-Trimethylbenzene	mg/kg	0.0519	0	.025	41.5	10-145	L424325-01	WG443739
1,2-Dibromo-3-Chloropropane	mg/kg	0.138	0	.025	110.	19-145	L424325-01	WG443739
1,2-Dibromoethane	mg/kg	0.121	0	.025	97.0	24-145	L424325-01	WG443739
1,2-Dichlorobenzene	mg/kg	0.105	0	.025	84.0	12-130	L424325-01	WG443739
1,2-Dichloroethane	mg/kg	0.145	0	.025	116.	21-155	L424325-01	WG443739
1,2-Dichloropropane	mg/kg	0.122	0	.025	97.3	28-144	L424325-01	WG443739
1,3,5-Trimethylbenzene	mg/kg	0.0510	0	.025	40.8	10-135	L424325-01	WG443739
1,3-Dichlorobenzene	mg/kg	0.0561	0	.025	44.9	10-129	L424325-01	WG443739
1,3-Dichloropropane	mg/kg	0.115	0	.025	91.8	31-137	L424325-01	WG443739
1,4-Dichlorobenzene	mg/kg	0.103	0	.025	82.2	10-121	L424325-01	WG443739
2,2-Dichloropropane	mg/kg	0.153	0	.025	123.	18-144	L424325-01	WG443739
2-Butanone (MEK)	mg/kg	0.710	0	.125	114.	21-143	L424325-01	WG443739
2-Chloroethyl vinyl ether	mg/kg	0.365	0	.125	58.4	0-176	L424325-01	WG443739
2-Chlorotoluene	mg/kg	0.0677	0	.025	54.1	10-132	L424325-01	WG443739
4-Chlorotoluene	mg/kg	0.0664	0	.025	53.1	10-129	L424325-01	WG443739
4-Methyl-2-pentanone (MIBK)	mg/kg	0.666	0	.125	106.	31-151	L424325-01	WG443739
Acetone	mg/kg	0.772	0	.125	124.	13-158	L424325-01	WG443739
Acrylonitrile	mg/kg	0.770	0	.125	123.	20-154	L424325-01	WG443739
Benzene	mg/kg	0.139	0	.025	111.	16-143	L424325-01	WG443739
Bromobenzene	mg/kg	0.0811	0	.025	64.9	14-135	L424325-01	WG443739
Bromodichloromethane	mg/kg	0.126	0	.025	100.	27-139	L424325-01	WG443739
Bromoform	mg/kg	0.120	0	.025	95.8	21-144	L424325-01	WG443739
Bromomethane	mg/kg	0.160	0	.025	128.	0-180	L424325-01	WG443739
Carbon tetrachloride	mg/kg	0.132	0	.025	105.	12-149	L424325-01	WG443739
Chlorobenzene	mg/kg	0.0985	0	.025	78.8	17-134	L424325-01	WG443739
Chlorodibromomethane	mg/kg	0.129	0	.025	103.	28-147	L424325-01	WG443739
Chloroethane	mg/kg	0.182	0	.025	145.	0-172	L424325-01	WG443739
Chloroform	mg/kg	0.152	0	.025	122.	28-138	L424325-01	WG443739
Chloromethane	mg/kg	0.128	0	.025	103.	10-158	L424325-01	WG443739
cis-1,2-Dichloroethene	mg/kg	0.142	0	.025	114.	21-147	L424325-01	WG443739
cis-1,3-Dichloropropene	mg/kg	0.124	0	.025	98.8	17-145	L424325-01	WG443739
Di-isopropyl ether	mg/kg	0.150	0	.025	120.	31-153	L424325-01	WG443739
Dibromomethane	mg/kg	0.122	0	.025	97.4	24-147	L424325-01	WG443739
Dichlorodifluoromethane	mg/kg	0.113	0	.025	90.6	0-192	L424325-01	WG443739
Ethylbenzene	mg/kg	0.0909	0	.025	72.7	12-137	L424325-01	WG443739
Hexachloro-1,3-butadiene	mg/kg	0.0228	0	.025	18.2	10-123	L424325-01	WG443739
Isopropylbenzene	mg/kg	0.0697	0	.025	55.7	14-134	L424325-01	WG443739
Methyl tert-butyl ether	mg/kg	0.155	0	.025	124.	21-157	L424325-01	WG443739
Methylene Chloride	mg/kg	0.141	0	.025	113.	12-149	L424325-01	WG443739
n-Butylbenzene	mg/kg	0.0539	0	.025	43.1	10-130	L424325-01	WG443739
n-Propylbenzene	mg/kg	0.0596	0	.025	47.7	10-130	L424325-01	WG443739
Naphthalene	mg/kg	0.0554	0	.025	44.3	0-146	L424325-01	WG443739
p-Isopropyltoluene	mg/kg	0.0366	0	.025	29.3	10-131	L424325-01	WG443739

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Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
sec-Butylbenzene	mg/kg	0.0402	0	.025	32.1	10-134	L424325-01	WG443739
Styrene	mg/kg	0.0901	0	.025	72.1	10-140	L424325-01	WG443739
tert-Butylbenzene	mg/kg	0.0453	0	.025	36.2	11-137	L424325-01	WG443739
Tetrachloroethene	mg/kg	0.0901	0	.025	72.1	10-131	L424325-01	WG443739
Toluene	mg/kg	0.110	0	.025	88.1	12-136	L424325-01	WG443739
trans-1,2-Dichloroethene	mg/kg	0.138	0	.025	111.	10-143	L424325-01	WG443739
trans-1,3-Dichloropropene	mg/kg	0.116	0	.025	93.0	16-147	L424325-01	WG443739
Trichloroethene	mg/kg	0.112	0	.025	90.0	10-155	L424325-01	WG443739
Trichlorofluoromethane	mg/kg	0.152	0	.025	121.	10-154	L424325-01	WG443739
Vinyl chloride	mg/kg	0.132	0	.025	106.	10-159	L424325-01	WG443739
Xylenes, Total	mg/kg	0.256	0	.075	68.3	10-138	L424325-01	WG443739
4-Bromofluorobenzene					77.43	59-140		WG443739
Dibromofluoromethane					120.1	63-139		WG443739
Toluene-d8					94.06	84-116		WG443739
Arsenic	mg/kg	42.3	0	50	84.6	75-125	L424325-05	WG443070
Barium	mg/kg	200.	170.	50	60.0*	75-125	L424325-05	WG443070
Cadmium	mg/kg	45.9	2.50	50	86.8	75-125	L424325-05	WG443070
Chromium	mg/kg	65.8	20.0	50	91.6	75-125	L424325-05	WG443070
Lead	mg/kg	76.4	36.0	50	80.8	75-125	L424325-05	WG443070
Silver	mg/kg	48.4	0	50	96.8	75-125	L424325-05	WG443070
1,1,1,2-Tetrachloroethane	mg/l	0.216	0	.025	86.3	45-152	L424318-03	WG443626
1,1,1-Trichloroethane	mg/l	0.143	0	.025	57.0	31-161	L424318-03	WG443626
1,1,2,2-Tetrachloroethane	mg/l	0.170	0	.025	68.1	49-149	L424318-03	WG443626
1,1,2-Trichloroethane	mg/l	0.189	0	.025	75.4	46-145	L424318-03	WG443626
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.109	0	.025	43.8	14-168	L424318-03	WG443626
1,1-Dichloroethane	mg/l	0.177	0	.025	71.0	30-159	L424318-03	WG443626
1,1-Dichloroethene	mg/l	0.162	0.0160	.025	58.4	10-162	L424318-03	WG443626
1,1-Dichloropropene	mg/l	0.138	0	.025	55.4	14-162	L424318-03	WG443626
1,2,3-Trichlorobenzene	mg/l	0.177	0	.025	70.7	32-143	L424318-03	WG443626
1,2,3-Trichloropropane	mg/l	0.175	0	.025	70.2	48-148	L424318-03	WG443626
1,2,3-Trimethylbenzene	mg/l	0.229	0	.025	91.6	36-141	L424318-03	WG443626
1,2,4-Trichlorobenzene	mg/l	0.185	0	.025	74.1	27-142	L424318-03	WG443626
1,2,4-Trimethylbenzene	mg/l	0.256	0	.025	102.	29-153	L424318-03	WG443626
1,2-Dibromo-3-Chloropropane	mg/l	0.142	0	.025	56.6	37-148	L424318-03	WG443626
1,2-Dibromoethane	mg/l	0.183	0	.025	73.4	41-149	L424318-03	WG443626
1,2-Dichlorobenzene	mg/l	0.202	0	.025	81.0	40-139	L424318-03	WG443626
1,2-Dichloroethane	mg/l	0.155	0	.025	62.1	29-167	L424318-03	WG443626
1,2-Dichloropropane	mg/l	0.182	0	.025	72.7	39-148	L424318-03	WG443626
1,3,5-Trimethylbenzene	mg/l	0.252	0	.025	101.	33-149	L424318-03	WG443626
1,3-Dichlorobenzene	mg/l	0.227	0	.025	90.8	32-148	L424318-03	WG443626
1,3-Dichloropropane	mg/l	0.184	0	.025	73.7	44-142	L424318-03	WG443626
1,4-Dichlorobenzene	mg/l	0.213	0	.025	85.4	32-136	L424318-03	WG443626
2,2-Dichloropropane	mg/l	0.130	0	.025	51.8	14-158	L424318-03	WG443626
2-Butanone (MEK)	mg/l	0.681	0	.125	54.5	32-151	L424318-03	WG443626
2-Chloroethyl vinyl ether	mg/l	0.00367	0	.125	0.294	0-175	L424318-03	WG443626
2-Chlorotoluene	mg/l	0.244	0	.025	97.6	35-147	L424318-03	WG443626
4-Chlorotoluene	mg/l	0.247	0	.025	98.6	33-147	L424318-03	WG443626
4-Methyl-2-pentanone (MIBK)	mg/l	0.580	0	.125	46.4	40-160	L424318-03	WG443626
Acetone	mg/l	0.787	0	.125	63.0	25-157	L424318-03	WG443626
Acrolein	mg/l	0.372	0	.125	29.8	0-179	L424318-03	WG443626
Acrylonitrile	mg/l	0.710	0	.125	56.8	37-162	L424318-03	WG443626
Benzene	mg/l	0.173	0	.025	69.1	16-158	L424318-03	WG443626
Bromobenzene	mg/l	0.217	0	.025	86.7	37-147	L424318-03	WG443626
Bromodichloromethane	mg/l	0.173	0	.025	69.4	45-147	L424318-03	WG443626
Bromoform	mg/l	0.180	0	.025	71.8	38-152	L424318-03	WG443626

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Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Bromomethane	mg/l	0.185	0	.025	74.2	0-191	L424318-03	WG443626
Carbon tetrachloride	mg/l	0.116	0	.025	46.4	22-168	L424318-03	WG443626
Chlorobenzene	mg/l	0.229	0	.025	91.8	33-148	L424318-03	WG443626
Chlorodibromomethane	mg/l	0.195	0	.025	78.1	48-151	L424318-03	WG443626
Chloroethane	mg/l	0.162	0	.025	64.9	4-176	L424318-03	WG443626
Chloroform	mg/l	0.176	0	.025	70.4	37-147	L424318-03	WG443626
Chloromethane	mg/l	0.163	0	.025	65.2	10-174	L424318-03	WG443626
cis-1,2-Dichloroethene	mg/l	3.10	3.30	.025	0*	29-156	L424318-03	WG443626
cis-1,3-Dichloropropene	mg/l	0.163	0	.025	65.0	35-148	L424318-03	WG443626
Di-isopropyl ether	mg/l	0.169	0	.025	67.6	39-160	L424318-03	WG443626
Dibromomethane	mg/l	0.155	0	.025	61.9	36-152	L424318-03	WG443626
Dichlorodifluoromethane	mg/l	0.0581	0	.025	23.2	0-200	L424318-03	WG443626
Ethylbenzene	mg/l	0.240	0	.025	96.0	29-150	L424318-03	WG443626
Hexachloro-1,3-butadiene	mg/l	0.186	0	.025	74.3	28-144	L424318-03	WG443626
Isopropylbenzene	mg/l	0.221	0	.025	88.4	35-147	L424318-03	WG443626
Methyl tert-butyl ether	mg/l	0.149	0	.025	59.7	24-167	L424318-03	WG443626
Methylene Chloride	mg/l	0.172	0	.025	68.6	23-151	L424318-03	WG443626
n-Butylbenzene	mg/l	0.233	0	.025	93.2	22-151	L424318-03	WG443626
n-Propylbenzene	mg/l	0.237	0	.025	95.0	26-150	L424318-03	WG443626
Naphthalene	mg/l	0.164	0	.025	65.5	24-160	L424318-03	WG443626
p-Isopropyltoluene	mg/l	0.238	0	.025	95.0	28-151	L424318-03	WG443626
sec-Butylbenzene	mg/l	0.230	0	.025	91.9	32-149	L424318-03	WG443626
Styrene	mg/l	0.214	0	.025	85.7	38-149	L424318-03	WG443626
tert-Butylbenzene	mg/l	0.222	0	.025	88.9	36-149	L424318-03	WG443626
Tetrachloroethene	mg/l	0.199	0	.025	79.6	13-157	L424318-03	WG443626
Toluene	mg/l	0.182	0	.025	72.9	22-152	L424318-03	WG443626
trans-1,2-Dichloroethene	mg/l	0.209	0.0390	.025	68.1	11-160	L424318-03	WG443626
trans-1,3-Dichloropropene	mg/l	0.171	0	.025	68.3	33-153	L424318-03	WG443626
Trichloroethene	mg/l	0.780	0.530	.025	100.	18-163	L424318-03	WG443626
Trichlorofluoromethane	mg/l	0.0976	0	.025	39.0	10-177	L424318-03	WG443626
Vinyl chloride	mg/l	0.294	0.160	.025	53.7	0-179	L424318-03	WG443626
Xylenes, Total	mg/l	0.701	0	.075	93.5	27-151	L424318-03	WG443626
4-Bromofluorobenzene					104.2	75-128		WG443626
Dibromofluoromethane					83.32	79-125		WG443626
Toluene-d8					102.1	87-114		WG443626
Selenium	mg/kg	43.8	0	50	17.5*	75-125	L424325-05	WG443070
Arsenic	mg/kg	56.4	11.0	50	90.8	75-125	L424336-02	WG443307
Barium	mg/kg	121.	76.0	50	90.0	75-125	L424336-02	WG443307
Cadmium	mg/kg	45.5	1.50	50	88.0	75-125	L424336-02	WG443307
Chromium	mg/kg	67.4	28.0	50	78.8	75-125	L424336-02	WG443307
Lead	mg/kg	112.	47.0	50	130.*	75-125	L424336-02	WG443307
Selenium	mg/kg	40.2	0	50	80.4	75-125	L424336-02	WG443307
Silver	mg/kg	44.6	0	50	89.2	75-125	L424336-02	WG443307
1,1,1,2-Tetrachloroethane	mg/kg	0.112	0	.025	89.5	29-145	L424188-02	WG443808
1,1,1-Trichloroethane	mg/kg	0.119	0	.025	94.9	23-147	L424188-02	WG443808
1,1,2,2-Tetrachloroethane	mg/kg	0.0977	0	.025	78.2	18-150	L424188-02	WG443808
1,1,2-Trichloroethane	mg/kg	0.102	0	.025	81.4	35-140	L424188-02	WG443808
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.117	0	.025	93.4	10-145	L424188-02	WG443808
1,1-Dichloroethane	mg/kg	0.114	0	.025	91.1	24-148	L424188-02	WG443808
1,1-Dichloroethene	mg/kg	0.120	0	.025	95.7	10-149	L424188-02	WG443808
1,1-Dichloropropene	mg/kg	0.108	0	.025	86.7	10-141	L424188-02	WG443808
1,2,3-Trichlorobenzene	mg/kg	0.0513	0	.025	41.0	10-129	L424188-02	WG443808
1,2,3-Trichloropropane	mg/kg	0.103	0	.025	82.7	30-148	L424188-02	WG443808

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Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
1,2,3-Trimethylbenzene	mg/kg	0.0835	0	.025	66.8	10-137	L424188-02	WG443808
1,2,4-Trichlorobenzene	mg/kg	0.0461	0	.025	36.9	10-119	L424188-02	WG443808
1,2,4-Trimethylbenzene	mg/kg	0.0845	0	.025	67.6	10-145	L424188-02	WG443808
1,2-Dibromo-3-Chloropropane	mg/kg	0.0929	0	.025	74.3	19-145	L424188-02	WG443808
1,2-Dibromoethane	mg/kg	0.100	0	.025	80.2	24-145	L424188-02	WG443808
1,2-Dichlorobenzene	mg/kg	0.0682	0	.025	54.6	12-130	L424188-02	WG443808
1,2-Dichloroethane	mg/kg	0.105	0	.025	84.0	21-155	L424188-02	WG443808
1,2-Dichloropropane	mg/kg	0.111	0	.025	89.1	28-144	L424188-02	WG443808
1,3,5-Trimethylbenzene	mg/kg	0.0919	0	.025	73.5	10-135	L424188-02	WG443808
1,3-Dichlorobenzene	mg/kg	0.0653	0	.025	52.2	10-129	L424188-02	WG443808
1,3-Dichloropropane	mg/kg	0.0973	0	.025	77.8	31-137	L424188-02	WG443808
1,4-Dichlorobenzene	mg/kg	0.0601	0	.025	48.0	10-121	L424188-02	WG443808
2,2-Dichloropropane	mg/kg	0.114	0	.025	91.5	18-144	L424188-02	WG443808
2-Butanone (MEK)	mg/kg	0.516	0	.125	82.6	21-143	L424188-02	WG443808
2-Chloroethyl vinyl ether	mg/kg	0.429	0	.125	68.6	0-176	L424188-02	WG443808
2-Chlorotoluene	mg/kg	0.0826	0	.025	66.1	10-132	L424188-02	WG443808
4-Chlorotoluene	mg/kg	0.0725	0	.025	58.0	10-129	L424188-02	WG443808
4-Methyl-2-pentanone (MIBK)	mg/kg	0.511	0	.125	81.7	31-151	L424188-02	WG443808
Acetone	mg/kg	0.460	0	.125	73.6	13-158	L424188-02	WG443808
Acrylonitrile	mg/kg	0.486	0	.125	77.8	20-154	L424188-02	WG443808
Benzene	mg/kg	0.108	0	.025	86.0	16-143	L424188-02	WG443808
Bromobenzene	mg/kg	0.0754	0	.025	60.3	14-135	L424188-02	WG443808
Bromodichloromethane	mg/kg	0.0954	0	.025	76.4	27-139	L424188-02	WG443808
Bromoform	mg/kg	0.0833	0	.025	66.7	21-144	L424188-02	WG443808
Bromomethane	mg/kg	0.131	0	.025	105.	0-180	L424188-02	WG443808
Carbon tetrachloride	mg/kg	0.124	0	.025	99.5	12-149	L424188-02	WG443808
Chlorobenzene	mg/kg	0.0853	0	.025	68.3	17-134	L424188-02	WG443808
Chlorodibromomethane	mg/kg	0.0915	0	.025	73.2	28-147	L424188-02	WG443808
Chloroethane	mg/kg	0.126	0	.025	101.	0-172	L424188-02	WG443808
Chloroform	mg/kg	0.110	0	.025	87.7	28-138	L424188-02	WG443808
Chloromethane	mg/kg	0.140	0	.025	112.	10-158	L424188-02	WG443808
cis-1,2-Dichloroethene	mg/kg	0.105	0	.025	84.2	21-147	L424188-02	WG443808
cis-1,3-Dichloropropene	mg/kg	0.0923	0	.025	73.9	17-145	L424188-02	WG443808
Di-isopropyl ether	mg/kg	0.111	0	.025	88.5	31-153	L424188-02	WG443808
Dibromomethane	mg/kg	0.0997	0	.025	79.8	24-147	L424188-02	WG443808
Dichlorodifluoromethane	mg/kg	0.138	0	.025	110.	0-192	L424188-02	WG443808
Ethylbenzene	mg/kg	0.0956	0	.025	76.4	12-137	L424188-02	WG443808
Hexachloro-1,3-butadiene	mg/kg	0.0628	0	.025	50.2	10-123	L424188-02	WG443808
Isopropylbenzene	mg/kg	0.0993	0	.025	79.4	14-134	L424188-02	WG443808
Methyl tert-butyl ether	mg/kg	0.106	0	.025	84.5	21-157	L424188-02	WG443808
Methylene Chloride	mg/kg	0.101	0	.025	80.8	12-149	L424188-02	WG443808
n-Butylbenzene	mg/kg	0.0684	0	.025	54.7	10-130	L424188-02	WG443808
n-Propylbenzene	mg/kg	0.0832	0	.025	66.6	10-130	L424188-02	WG443808
Naphthalene	mg/kg	0.0552	0	.025	44.2	0-146	L424188-02	WG443808
p-Isopropyltoluene	mg/kg	0.0839	0	.025	67.1	10-131	L424188-02	WG443808
sec-Butylbenzene	mg/kg	0.0882	0	.025	70.6	10-134	L424188-02	WG443808
Styrene	mg/kg	0.0694	0	.025	55.5	10-140	L424188-02	WG443808
tert-Butylbenzene	mg/kg	0.0994	0	.025	79.5	11-137	L424188-02	WG443808
Tetrachloroethene	mg/kg	0.0967	0	.025	77.4	10-131	L424188-02	WG443808
Toluene	mg/kg	0.0924	0	.025	73.9	12-136	L424188-02	WG443808
trans-1,2-Dichloroethene	mg/kg	0.115	0	.025	92.0	10-143	L424188-02	WG443808
trans-1,3-Dichloropropene	mg/kg	0.0751	0	.025	60.1	16-147	L424188-02	WG443808
Trichloroethene	mg/kg	0.107	0	.025	85.8	10-155	L424188-02	WG443808
Trichlorofluoromethane	mg/kg	0.120	0	.025	95.9	10-154	L424188-02	WG443808
Vinyl chloride	mg/kg	0.126	0	.025	100.	10-159	L424188-02	WG443808
Xylenes, Total	mg/kg	0.281	0	.075	74.8	10-138	L424188-02	WG443808
4-Bromofluorobenzene					100.2	59-140		WG443808
Dibromofluoromethane					101.0	63-139		WG443808
Toluene-d8					98.58	84-116		WG443808

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**Quality Assurance Report  
Level II**

October 09, 2009

L424325

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
1,2-Dichloropropane	mg/kg	0.122	0	.025	97.3	28-144	L424336-01	WG444151
Benzene	mg/kg	0.122	0	.025	97.4	16-143	L424336-01	WG444151
4-Bromofluorobenzene					101.8	59-140		WG444151
Dibromofluoromethane					99.66	63-139		WG444151
Toluene-d8					97.79	84-116		WG444151
2,4,5-T	mg/kg	0.115	0	.167	68.9	30-125	L424530-01	WG443508
2,4,5-TP (Silvex)	mg/kg	0.128	0	.167	76.8	34-126	L424530-01	WG443508
2,4-D	mg/kg	0.108	0	.167	64.8	14-130	L424530-01	WG443508
2,4-DB	mg/kg	0.136	0	.167	81.5	35-155	L424530-01	WG443508
Dalapon	mg/kg	0.0958	0	.167	57.4	10-155	L424530-01	WG443508
Dicamba	mg/kg	0.117	0	.167	70.0	31-121	L424530-01	WG443508
Dichloroprop	mg/kg	0.0983	0	.167	58.8	22-128	L424530-01	WG443508
Dinoseb	mg/kg	0.0224	0	.167	13.4	10-155	L424530-01	WG443508
MCPA	mg/kg	9.67	0	16.7	57.9	35-174	L424530-01	WG443508
MCPP	mg/kg	14.0	0	16.7	84.1	15-156	L424530-01	WG443508
2,4-Dichlorophenyl Acetic Acid					72.45	37-99		WG443508

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Mercury	mg/kg	0.305	0.314	93.6	70-130	2.91	20	L424325-01	WG442852
Mercury	mg/kg	0.283	0.277	99.6	70-130	2.14	20	L424325-19	WG442853
Arsenic	mg/kg	49.9	50.5	91.2	75-125	1.20	20	L424325-17	WG443158
Barium	mg/kg	192.	192.	104.	75-125	0	20	L424325-17	WG443158
Cadmium	mg/kg	45.8	46.6	89.2	75-125	1.73	20	L424325-17	WG443158
Chromium	mg/kg	64.9	65.5	91.8	75-125	0.920	20	L424325-17	WG443158
Lead	mg/kg	47.8	48.1	89.0	75-125	0.626	20	L424325-17	WG443158
Silver	mg/kg	45.4	46.0	89.3	75-125	1.31	20	L424325-17	WG443158
Barium	mg/kg	192.	195.	84.0	75-125	1.55	20	L424325-07	WG443154
Cadmium	mg/kg	44.7	45.5	87.4	75-125	1.77	20	L424325-07	WG443154
Chromium	mg/kg	63.5	63.7	91.0	75-125	0.314	20	L424325-07	WG443154
Lead	mg/kg	55.6	57.7	85.2	75-125	3.71	20	L424325-07	WG443154
Arsenic	mg/kg	37.1	37.5	14.8*	75-125	1.07	20	L424325-07	WG443154
Selenium	mg/kg	43.3	46.6	17.3*	75-125	7.34	20	L424325-07	WG443154
Silver	mg/kg	47.0	47.4	18.8*	75-125	0.847	20	L424325-07	WG443154
Selenium	mg/kg	31.2	29.4	62.4*	75-125	5.94	20	L424325-17	WG443158
2,4,5-T	mg/kg	0.0932	0.0950	55.8	30-125	1.85	41	L424325-17	WG443279
2,4,5-TP (Silvex)	mg/kg	0.120	0.117	71.8	34-126	2.43	38	L424325-17	WG443279
2,4-D	mg/kg	0.115	0.119	68.6	14-130	4.14	45	L424325-17	WG443279
2,4-DB	mg/kg	0.122	0.0955	73.0	35-155	24.2	50	L424325-17	WG443279
Dalapon	mg/kg	0.151	0.0973	90.4	10-155	43.3	50	L424325-17	WG443279
Dicamba	mg/kg	0.131	0.119	78.7	31-121	10.3	36	L424325-17	WG443279
Dichloroprop	mg/kg	0.0673	0.0984	40.3	22-128	37.5*	36	L424325-17	WG443279
Dinoseb	mg/kg	0.0603	0.136	36.1	10-155	77.3*	50	L424325-17	WG443279
MCPA	mg/kg	6.14	11.4	36.8	35-174	59.8*	42	L424325-17	WG443279
MCPP	mg/kg	5.16	7.27	30.9	15-156	34.0	50	L424325-17	WG443279
2,4-Dichlorophenyl Acetic Acid				400.9*	37-99				WG443279

\* Performance of this Analyte is outside of established criteria.

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit Ref	Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0686	0.107	54.9	29-145	44.0*	31	L424325-01	WG443739
1,1,1-Trichloroethane	mg/kg	0.101	0.149	80.5	23-147	38.6*	32	L424325-01	WG443739
1,1,2,2-Tetrachloroethane	mg/kg	0.0761	0.109	60.9	18-150	35.8*	33	L424325-01	WG443739
1,1,2-Trichloroethane	mg/kg	0.0933	0.123	74.7	35-140	27.3	29	L424325-01	WG443739
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0978	0.152	78.2	10-145	43.6*	35	L424325-01	WG443739
1,1-Dichloroethane	mg/kg	0.110	0.149	87.8	24-148	30.4	31	L424325-01	WG443739
1,1-Dichloroethane	mg/kg	0.116	0.149	92.4	10-149	25.4	34	L424325-01	WG443739
1,1-Dichloropropene	mg/kg	0.0889	0.138	71.2	10-141	43.1*	34	L424325-01	WG443739
1,2,3-Trichlorobenzene	mg/kg	0.0150	0.0334	12.0	10-129	75.9*	43	L424325-01	WG443739
1,2,3-Trichloropropene	mg/kg	0.0820	0.115	65.6	30-148	33.3*	32	L424325-01	WG443739
1,2,3-Trimethylbenzene	mg/kg	0.0271	0.0894	21.7	10-137	107.*	36	L424325-01	WG443739
1,2,4-Trichlorobenzene	mg/kg	0.0136	0.0396	10.9	10-119	97.8*	44	L424325-01	WG443739
1,2,4-Trimethylbenzene	mg/kg	0.0265	0.0519	21.2	10-145	64.7*	41	L424325-01	WG443739
1,2-Dibromo-3-Chloropropane	mg/kg	0.0608	0.138	48.6	19-145	77.4*	35	L424325-01	WG443739
1,2-Dibromoethane	mg/kg	0.0898	0.121	71.8	24-145	29.9	31	L424325-01	WG443739
1,2-Dichlorobenzene	mg/kg	0.0319	0.105	25.5	12-130	107.*	35	L424325-01	WG443739
1,2-Dichloroethane	mg/kg	0.103	0.145	82.7	21-155	33.8*	29	L424325-01	WG443739
1,2-Dichloropropene	mg/kg	0.0959	0.122	76.7	28-144	23.6	30	L424325-01	WG443739
1,3,5-Trimethylbenzene	mg/kg	0.0267	0.0510	21.4	10-135	62.5*	39	L424325-01	WG443739
1,3-Dichlorobenzene	mg/kg	0.0278	0.0561	22.2	10-129	67.5*	38	L424325-01	WG443739
1,3-Dichloropropane	mg/kg	0.0875	0.115	70.0	31-137	26.9	29	L424325-01	WG443739
1,4-Dichlorobenzene	mg/kg	0.0316	0.103	25.2	10-121	106.*	36	L424325-01	WG443739
2,2-Dichloropropane	mg/kg	0.107	0.153	85.7	18-144	35.5*	32	L424325-01	WG443739
2-Butanone (MEK)	mg/kg	0.482	0.710	77.2	21-143	38.1*	37	L424325-01	WG443739
2-Chloroethyl vinyl ether	mg/kg	0.301	0.365	48.2	0-176	19.0	50	L424325-01	WG443739
2-Chlorotoluene	mg/kg	0.0336	0.0677	26.9	10-132	67.3*	37	L424325-01	WG443739
4-Chlorotoluene	mg/kg	0.0339	0.0664	27.1	10-129	64.9*	38	L424325-01	WG443739
4-Methyl-2-pentanone (MIBK)	mg/kg	0.516	0.666	82.6	31-151	25.3	36	L424325-01	WG443739
Acetone	mg/kg	0.531	0.772	84.9	13-158	37.0*	34	L424325-01	WG443739
Acrylonitrile	mg/kg	0.520	0.770	83.2	20-154	38.8*	35	L424325-01	WG443739
Benzene	mg/kg	0.0950	0.139	76.0	16-143	37.2*	31	L424325-01	WG443739
Bromobenzene	mg/kg	0.0452	0.0811	36.1	14-135	56.9*	39	L424325-01	WG443739
Bromodichloromethane	mg/kg	0.0983	0.126	78.6	27-139	24.4	30	L424325-01	WG443739
Bromoform	mg/kg	0.0831	0.120	66.5	21-144	36.1*	34	L424325-01	WG443739
Bromomethane	mg/kg	0.129	0.160	103.	0-180	21.6	41	L424325-01	WG443739
Carbon tetrachloride	mg/kg	0.0746	0.132	59.7	12-149	55.2*	34	L424325-01	WG443739
Chlorobenzene	mg/kg	0.0601	0.0985	48.0	17-134	48.5*	34	L424325-01	WG443739
Chlorodibromomethane	mg/kg	0.0936	0.129	74.8	28-147	31.5	32	L424325-01	WG443739
Chloroethane	mg/kg	0.151	0.182	121.	0-172	18.6	38	L424325-01	WG443739
Chloroform	mg/kg	0.110	0.152	88.0	28-138	32.3*	30	L424325-01	WG443739
Chloromethane	mg/kg	0.0985	0.128	78.8	10-158	26.4	35	L424325-01	WG443739
cis-1,2-Dichloroethene	mg/kg	0.103	0.142	82.0	21-147	32.3*	31	L424325-01	WG443739
cis-1,3-Dichloropropene	mg/kg	0.0969	0.124	77.5	17-145	24.2	32	L424325-01	WG443739
Di-isopropyl ether	mg/kg	0.108	0.150	86.4	31-153	32.6*	29	L424325-01	WG443739
Dibromomethane	mg/kg	0.0980	0.122	78.4	24-147	21.5	30	L424325-01	WG443739
Dichlorodifluoromethane	mg/kg	0.0864	0.113	69.1	0-192	26.9	38	L424325-01	WG443739
Ethylbenzene	mg/kg	0.0509	0.0909	40.7	12-137	56.4*	36	L424325-01	WG443739
Hexachloro-1,3-butadiene	mg/kg	0.00924	0.0228	7.39*	10-123	84.6*	50	L424325-01	WG443739
Isopropylbenzene	mg/kg	0.0362	0.0697	29.0	14-134	63.1*	37	L424325-01	WG443739
Methyl tert-butyl ether	mg/kg	0.111	0.155	88.6	21-157	33.2*	31	L424325-01	WG443739
Methylene Chloride	mg/kg	0.104	0.141	83.3	12-149	30.5	31	L424325-01	WG443739
n-Butylbenzene	mg/kg	0.0198	0.0539	15.9	10-130	92.3*	48	L424325-01	WG443739
n-Propylbenzene	mg/kg	0.0316	0.0596	25.3	10-130	61.4*	40	L424325-01	WG443739
Naphthalene	mg/kg	0.0215	0.0554	17.2	0-146	88.1*	43	L424325-01	WG443739
p-Isopropyltoluene	mg/kg	0.0215	0.0366	17.2	10-131	52.0*	43	L424325-01	WG443739
sec-Butylbenzene	mg/kg	0.0235	0.0402	18.8	10-134	52.1*	43	L424325-01	WG443739
Styrene	mg/kg	0.0492	0.0901	39.4	10-140	58.8*	35	L424325-01	WG443739
tert-Butylbenzene	mg/kg	0.0254	0.0453	20.3	11-137	56.3*	39	L424325-01	WG443739
Tetrachloroethane	mg/kg	0.0504	0.0901	40.3	10-131	56.5*	35	L424325-01	WG443739

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Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Toluene	mg/kg	0.0746	0.110	59.7	12-136	38.4*	32	L424325-01	WG443739
trans-1,2-Dichloroethene	mg/kg	0.103	0.138	82.4	10-143	29.3	33	L424325-01	WG443739
trans-1,3-Dichloropropene	mg/kg	0.0923	0.116	73.8	16-147	23.0	32	L424325-01	WG443739
Trichloroethene	mg/kg	0.0829	0.112	66.3	10-155	30.3	33	L424325-01	WG443739
Trichlorofluoromethane	mg/kg	0.113	0.152	90.3	10-154	29.3	32	L424325-01	WG443739
Vinyl chloride	mg/kg	0.109	0.132	87.1	10-159	19.3	36	L424325-01	WG443739
Xylenes, Total	mg/kg	0.136	0.256	36.3	10-138	61.1*	36	L424325-01	WG443739
4-Bromofluorobenzene				96.02	59-140				WG443739
Dibromofluoromethane				103.6	63-139				WG443739
Toluene-d8				100.8	84-116				WG443739
Arsenic	mg/kg	43.0	42.3	86.0	75-125	1.64	20	L424325-05	WG443070
Barium	mg/kg	203.	200.	66.0*	75-125	1.49	20	L424325-05	WG443070
Cadmium	mg/kg	46.7	45.9	88.4	75-125	1.73	20	L424325-05	WG443070
Chromium	mg/kg	67.9	65.8	95.8	75-125	3.14	20	L424325-05	WG443070
Lead	mg/kg	73.9	76.4	75.8	75-125	3.33	20	L424325-05	WG443070
Silver	mg/kg	49.1	48.4	98.2	75-125	1.44	20	L424325-05	WG443070
Selenium	mg/kg	41.6	43.8	16.6*	75-125	5.15	20	L424325-05	WG443070
1,1,1,2-Tetrachloroethane	mg/l	0.217	0.216	86.8	45-152	0.556	21	L424318-03	WG443626
1,1,1-Trichloroethane	mg/l	0.144	0.143	57.5	31-161	0.805	23	L424318-03	WG443626
1,1,2,2-Tetrachloroethane	mg/l	0.241	0.170	96.3	49-149	34.3*	22	L424318-03	WG443626
1,1,2-Trichloroethane	mg/l	0.231	0.189	92.5	46-145	20.4*	20	L424318-03	WG443626
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.102	0.109	40.6	14-168	7.49	24	L424318-03	WG443626
1,1-Dichloroethane	mg/l	0.190	0.177	75.9	30-159	6.64	21	L424318-03	WG443626
1,1-Dichloroethene	mg/l	0.158	0.162	56.8	10-162	2.52	23	L424318-03	WG443626
1,1-Dichloropropene	mg/l	0.137	0.138	54.8	14-162	1.12	23	L424318-03	WG443626
1,2,3-Trichlorobenzene	mg/l	0.240	0.177	96.2	32-143	30.5	33	L424318-03	WG443626
1,2,3-Trichloropropane	mg/l	0.241	0.175	96.3	48-148	31.4*	23	L424318-03	WG443626
1,2,3-Trimethylbenzene	mg/l	0.222	0.229	88.9	36-141	2.97	25	L424318-03	WG443626
1,2,4-Trichlorobenzene	mg/l	0.230	0.185	91.9	27-142	21.5	30	L424318-03	WG443626
1,2,4-Trimethylbenzene	mg/l	0.218	0.256	87.1	29-153	16.1	27	L424318-03	WG443626
1,2-Dibromo-3-Chloropropane	mg/l	0.224	0.142	89.4	37-148	44.9*	27	L424318-03	WG443626
1,2-Dibromoethane	mg/l	0.231	0.183	92.3	41-149	22.9*	21	L424318-03	WG443626
1,2-Dichlorobenzene	mg/l	0.227	0.202	90.7	40-139	11.3	23	L424318-03	WG443626
1,2-Dichloroethane	mg/l	0.225	0.155	89.8	29-167	36.6*	21	L424318-03	WG443626
1,2-Dichloropropane	mg/l	0.218	0.182	87.3	39-148	18.3	20	L424318-03	WG443626
1,3,5-Trimethylbenzene	mg/l	0.202	0.252	81.0	33-149	21.7	26	L424318-03	WG443626
1,3-Dichlorobenzene	mg/l	0.221	0.227	88.3	32-148	2.80	24	L424318-03	WG443626
1,3-Dichloropropane	mg/l	0.225	0.184	89.9	44-142	19.9	20	L424318-03	WG443626
1,4-Dichlorobenzene	mg/l	0.217	0.213	86.6	32-136	1.45	23	L424318-03	WG443626
2,2-Dichloropropane	mg/l	0.134	0.130	53.7	14-158	3.48	23	L424318-03	WG443626
2-Butanone (MEK)	mg/l	1.21	0.681	96.5	32-151	55.7*	26	L424318-03	WG443626
2-Chloroethyl vinyl ether	mg/l	0.00483	0.00367	0.386	0-175	27.3	75	L424318-03	WG443626
2-Chlorotoluene	mg/l	0.208	0.244	83.0	35-147	16.2	24	L424318-03	WG443626
4-Chlorotoluene	mg/l	0.217	0.247	86.7	33-147	12.9	25	L424318-03	WG443626
4-Methyl-2-pentanone (MIBK)	mg/l	1.14	0.580	90.8	40-160	64.7*	28	L424318-03	WG443626
Acetone	mg/l	1.44	0.787	115.	25-157	58.5*	26	L424318-03	WG443626
Acrolein	mg/l	0.606	0.372	48.4	0-179	47.8*	39	L424318-03	WG443626
Acrylonitrile	mg/l	1.21	0.710	96.8	37-162	52.1*	24	L424318-03	WG443626
Benzene	mg/l	0.183	0.173	73.1	16-158	5.70	21	L424318-03	WG443626
Bromobenzene	mg/l	0.220	0.217	87.8	37-147	1.24	23	L424318-03	WG443626
Bromodichloromethane	mg/l	0.223	0.173	89.1	45-147	25.0*	20	L424318-03	WG443626
Bromoform	mg/l	0.239	0.180	95.7	38-152	28.5*	20	L424318-03	WG443626
Bromomethane	mg/l	0.187	0.185	75.0	0-191	1.06	35	L424318-03	WG443626
Carbon tetrachloride	mg/l	0.114	0.116	45.8	22-168	1.48	24	L424318-03	WG443626
Chlorobenzene	mg/l	0.209	0.229	83.5	33-148	9.43	22	L424318-03	WG443626

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Est. 1970

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

**Quality Assurance Report  
Level II**

Boise, ID 83706

October 09, 2009

L424325

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Chlorodibromomethane	mg/l	0.238	0.195	95.3	40-151	19.8	21	L424318-03	WG443626
Chloroethane	mg/l	0.162	0.162	64.7	4-176	0.309	27	L424318-03	WG443626
Chloroform	mg/l	0.198	0.176	79.1	37-147	11.7	21	L424318-03	WG443626
Chloromethane	mg/l	0.163	0.163	65.3	10-174	0.0588	28	L424318-03	WG443626
cis-1,2-Dichloroethene	mg/l	3.21	3.10	0*	29-156	3.59	22	L424318-03	WG443626
cis-1,3-Dichloropropene	mg/l	0.217	0.163	86.8	35-148	28.7*	21	L424318-03	WG443626
Di-isopropyl ether	mg/l	0.246	0.169	98.5	39-160	37.2*	21	L424318-03	WG443626
Dibromomethane	mg/l	0.227	0.155	90.8	36-152	37.8*	20	L424318-03	WG443626
Dichlorodifluoromethane	mg/l	0.0535	0.0581	21.4	0-200	8.21	26	L424318-03	WG443626
Ethylbenzene	mg/l	0.191	0.240	76.2	29-150	22.9	24	L424318-03	WG443626
Hexachloro-1,3-butadiene	mg/l	0.162	0.186	64.6	28-144	13.9	33	L424318-03	WG443626
Isopropylbenzene	mg/l	0.173	0.221	69.3	35-147	24.3	25	L424318-03	WG443626
Methyl tert-butyl ether	mg/l	0.267	0.149	107.	24-167	56.4*	22	L424318-03	WG443626
Methylene Chloride	mg/l	0.212	0.172	84.6	23-151	20.8	21	L424318-03	WG443626
n-Butylbenzene	mg/l	0.182	0.233	72.6	22-151	24.8	29	L424318-03	WG443626
n-Propylbenzene	mg/l	0.183	0.237	73.1	26-150	26.0*	25	L424318-03	WG443626
Naphthalene	mg/l	0.243	0.164	97.2	24-160	39.0*	37	L424318-03	WG443626
p-Isopropyltoluene	mg/l	0.185	0.238	74.1	28-151	24.8	27	L424318-03	WG443626
sec-Butylbenzene	mg/l	0.178	0.230	71.0	32-149	25.6	26	L424318-03	WG443626
Styrene	mg/l	0.206	0.214	82.5	38-149	3.88	23	L424318-03	WG443626
tert-Butylbenzene	mg/l	0.174	0.222	69.4	36-149	24.5	26	L424318-03	WG443626
Tetrachloroethene	mg/l	0.152	0.199	61.0	13-157	26.5*	24	L424318-03	WG443626
Toluene	mg/l	0.182	0.182	72.8	22-152	0.0570	22	L424318-03	WG443626
trans-1,2-Dichloroethene	mg/l	0.205	0.209	66.5	11-160	1.94	23	L424318-03	WG443626
trans-1,3-Dichloropropene	mg/l	0.245	0.171	98.0	33-153	35.7*	22	L424318-03	WG443626
Trichloroethene	mg/l	0.738	0.780	83.3	18-163	5.54	21	L424318-03	WG443626
Trichlorofluoromethane	mg/l	0.0787	0.0976	31.5	10-177	21.5	24	L424318-03	WG443626
Vinyl chloride	mg/l	0.292	0.294	52.8	0-179	0.751	26	L424318-03	WG443626
Xylenes, Total	mg/l	0.575	0.701	76.6	27-151	19.8	23	L424318-03	WG443626
4-Bromofluorobenzene				102.2	75-128				WG443626
Dibromofluoromethane				101.0	79-125				WG443626
Toluene-d8				104.1	87-114				WG443626
Arsenic	mg/kg	59.9	56.4	97.8	75-125	6.02	20	L424336-02	WG443307
Barium	mg/kg	140.	121.	128.*	75-125	14.6	20	L424336-02	WG443307
Cadmium	mg/kg	49.2	45.5	95.4	75-125	7.81	20	L424336-02	WG443307
Chromium	mg/kg	74.2	67.4	92.4	75-125	9.60	20	L424336-02	WG443307
Lead	mg/kg	91.8	112.	89.6	75-125	19.8	20	L424336-02	WG443307
Selenium	mg/kg	43.3	40.2	86.6	75-125	7.43	20	L424336-02	WG443307
Silver	mg/kg	47.6	44.6	95.2	75-125	6.51	20	L424336-02	WG443307
1,1,1,2-Tetrachloroethane	mg/kg	0.106	0.112	84.5	29-145	5.76	31	L424188-02	WG443808
1,1,1-Trichloroethane	mg/kg	0.109	0.119	86.9	23-147	8.80	32	L424188-02	WG443808
1,1,2,2-Tetrachloroethane	mg/kg	0.0887	0.0977	71.0	18-150	9.67	33	L424188-02	WG443808
1,1,2-Trichloroethane	mg/kg	0.0942	0.102	75.3	35-140	7.75	29	L424188-02	WG443808
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.108	0.117	86.3	10-145	7.90	35	L424188-02	WG443808
1,1-Dichloroethane	mg/kg	0.107	0.114	85.5	24-148	6.39	31	L424188-02	WG443808
1,1-Dichloroethene	mg/kg	0.109	0.120	87.3	10-149	9.13	34	L424188-02	WG443808
1,1-Dichloropropene	mg/kg	0.100	0.108	80.0	10-141	7.98	34	L424188-02	WG443808
1,2,3-Trichlorobenzene	mg/kg	0.0462	0.0513	36.9	10-129	10.5	43	L424188-02	WG443808
1,2,3-Trichloropropane	mg/kg	0.0932	0.103	74.6	30-148	10.4	32	L424188-02	WG443808
1,2,3-Trimethylbenzene	mg/kg	0.0793	0.0835	63.5	10-137	5.16	36	L424188-02	WG443808
1,2,4-Trichlorobenzene	mg/kg	0.0434	0.0461	34.7	10-119	6.07	44	L424188-02	WG443808
1,2,4-Trimethylbenzene	mg/kg	0.0787	0.0845	63.0	10-145	7.08	41	L424188-02	WG443808
1,2-Dibromo-3-Chloropropane	mg/kg	0.0820	0.0929	65.6	19-145	12.4	35	L424188-02	WG443808
1,2-Dibromoethane	mg/kg	0.0910	0.100	72.8	24-145	9.69	31	L424188-02	WG443808
1,2-Dichlorobenzene	mg/kg	0.0652	0.0682	52.2	12-130	4.42	35	L424188-02	WG443808

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





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Est. 1970

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

Quality Assurance Report  
Level II

October 09, 2009

L424325

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit Ref	Samp	Batch
1,2-Dichloroethane	mg/kg	0.0974	0.105	77.9	21-155	7.49	29	L424188-02	WG443808
1,2-Dichloropropane	mg/kg	0.0994	0.111	79.5	28-144	11.3	30	L424188-02	WG443808
1,3,5-Trimethylbenzene	mg/kg	0.0848	0.0919	67.9	10-135	8.01	39	L424188-02	WG443808
1,3-Dichlorobenzene	mg/kg	0.0620	0.0653	49.6	10-129	5.21	38	L424188-02	WG443808
1,3-Dichloropropane	mg/kg	0.0896	0.0973	71.6	31-137	8.29	29	L424188-02	WG443808
1,4-Dichlorobenzene	mg/kg	0.0576	0.0601	46.0	10-121	4.24	36	L424188-02	WG443808
2,2-Dichloropropane	mg/kg	0.104	0.114	83.2	18-144	9.48	32	L424188-02	WG443808
2-Butanone (MEK)	mg/kg	0.465	0.516	74.3	21-143	10.5	37	L424188-02	WG443808
2-Chloroethyl vinyl ether	mg/kg	0.383	0.429	61.3	0-176	11.2	50	L424188-02	WG443808
2-Chlorotoluene	mg/kg	0.0769	0.0826	61.5	10-132	7.25	37	L424188-02	WG443808
4-Chlorotoluene	mg/kg	0.0682	0.0725	54.5	10-129	6.15	38	L424188-02	WG443808
4-Methyl-2-pentanone (MIBK)	mg/kg	0.456	0.511	72.9	31-151	11.4	36	L424188-02	WG443808
Acetone	mg/kg	0.426	0.460	68.1	13-158	7.80	34	L424188-02	WG443808
Acrylonitrile	mg/kg	0.444	0.486	71.0	20-154	9.22	35	L424188-02	WG443808
Benzene	mg/kg	0.101	0.108	80.8	16-143	6.32	31	L424188-02	WG443808
Bromobenzene	mg/kg	0.0701	0.0754	56.1	14-135	7.24	39	L424188-02	WG443808
Bromodichloromethane	mg/kg	0.0857	0.0954	68.6	27-139	10.7	30	L424188-02	WG443808
Bromoform	mg/kg	0.0749	0.0833	59.9	21-144	10.6	34	L424188-02	WG443808
Bromomethane	mg/kg	0.120	0.131	95.7	0-180	9.12	41	L424188-02	WG443808
Carbon tetrachloride	mg/kg	0.116	0.124	92.5	12-149	7.24	34	L424188-02	WG443808
Chlorobenzene	mg/kg	0.0791	0.0853	63.3	17-134	7.54	34	L424188-02	WG443808
Chlorodibromomethane	mg/kg	0.0853	0.0915	68.2	28-147	6.98	32	L424188-02	WG443808
Chloroethane	mg/kg	0.116	0.126	92.6	0-172	8.47	38	L424188-02	WG443808
Chloroform	mg/kg	0.102	0.110	81.9	28-138	6.87	30	L424188-02	WG443808
Chloromethane	mg/kg	0.127	0.140	101.	10-158	9.57	35	L424188-02	WG443808
cis-1,2-Dichloroethene	mg/kg	0.0999	0.105	79.9	21-147	5.23	31	L424188-02	WG443808
cis-1,3-Dichloropropene	mg/kg	0.0842	0.0923	67.3	17-145	9.24	32	L424188-02	WG443808
Di-isopropyl ether	mg/kg	0.104	0.111	83.2	31-153	6.21	29	L424188-02	WG443808
Dibromomethane	mg/kg	0.0905	0.0997	72.4	24-147	9.75	30	L424188-02	WG443808
Dichlorodifluoromethane	mg/kg	0.129	0.138	103.	0-192	6.61	38	L424188-02	WG443808
Ethylbenzene	mg/kg	0.0880	0.0956	70.4	12-137	8.25	36	L424188-02	WG443808
Hexachloro-1,3-butadiene	mg/kg	0.0635	0.0628	50.8	10-123	1.13	50	L424188-02	WG443808
Isopropylbenzene	mg/kg	0.0934	0.0993	74.7	14-134	6.14	37	L424188-02	WG443808
Methyl tert-butyl ether	mg/kg	0.0986	0.106	78.9	21-157	6.83	31	L424188-02	WG443808
Methylene Chloride	mg/kg	0.0948	0.101	75.9	12-149	6.33	31	L424188-02	WG443808
n-Butylbenzene	mg/kg	0.0672	0.0684	53.8	10-130	1.74	48	L424188-02	WG443808
n-Propylbenzene	mg/kg	0.0780	0.0832	62.4	10-130	6.49	40	L424188-02	WG443808
Naphthalene	mg/kg	0.0485	0.0552	38.8	0-146	12.8	43	L424188-02	WG443808
p-Isopropyltoluene	mg/kg	0.0804	0.0839	64.3	10-131	4.26	43	L424188-02	WG443808
sec-Butylbenzene	mg/kg	0.0841	0.0882	67.3	10-134	4.76	43	L424188-02	WG443808
Styrene	mg/kg	0.0643	0.0694	51.4	10-140	7.68	35	L424188-02	WG443808
tert-Butylbenzene	mg/kg	0.0930	0.0994	74.4	11-137	6.57	39	L424188-02	WG443808
Tetrachloroethene	mg/kg	0.0899	0.0967	71.9	10-131	7.29	35	L424188-02	WG443808
Toluene	mg/kg	0.0848	0.0924	67.9	12-136	8.56	32	L424188-02	WG443808
trans-1,2-Dichloroethene	mg/kg	0.106	0.115	85.2	10-143	7.74	33	L424188-02	WG443808
trans-1,3-Dichloropropene	mg/kg	0.0687	0.0751	55.0	16-147	8.87	32	L424188-02	WG443808
Trichloroethene	mg/kg	0.0974	0.107	77.9	10-155	9.66	33	L424188-02	WG443808
Trichlorofluoromethane	mg/kg	0.109	0.120	87.4	10-154	9.29	32	L424188-02	WG443808
Vinyl chloride	mg/kg	0.115	0.126	92.2	10-159	8.68	36	L424188-02	WG443808
Xylenes, Total	mg/kg	0.260	0.281	69.3	10-138	7.71	36	L424188-02	WG443808
4-Bromofluorobenzene				101.9	59-140				WG443808
Dibromofluoromethane				101.3	63-139				WG443808
Toluene-d8				99.52	84-116				WG443808
1,2-Dichloropropane	mg/kg	0.127	0.122	101.	28-144	4.06	30	L424336-01	WG444151
Benzene	mg/kg	0.122	0.122	97.5	16-143	0.0571	31	L424336-01	WG444151
4-Bromofluorobenzene				102.7	59-140				WG444151
Dibromofluoromethane				99.35	63-139				WG444151

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

Quality Assurance Report  
Level II

L424325

October 09, 2009

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Toluene-d8				103.0	84-116				
2,4,5-T	mg/kg	0.0943	0.115	56.4	30-125	19.9	41	L424530-01	WG443508
2,4,5-TP (Silvex)	mg/kg	0.110	0.128	65.7	34-126	15.6	38	L424530-01	WG443508
2,4-D	mg/kg	0.0884	0.108	52.9	14-130	20.2	45	L424530-01	WG443508
2,4-DB	mg/kg	0.108	0.136	64.4	35-155	23.4	50	L424530-01	WG443508
Dalapon	mg/kg	0.0832	0.0958	49.8	10-155	14.0	50	L424530-01	WG443508
Dicamba	mg/kg	0.0986	0.117	59.0	31-121	16.9	36	L424530-01	WG443508
Dichloroprop	mg/kg	0.0854	0.0983	51.1	22-128	14.0	36	L424530-01	WG443508
Dinoseb	mg/kg	0.0295	0.0224	17.7	10-155	27.3	50	L424530-01	WG443508
MCPA	mg/kg	8.41	9.67	50.3	35-174	13.9	42	L424530-01	WG443508
MCPP	mg/kg	9.88	14.0	59.1	15-156	34.9	50	L424530-01	WG443508
2,4-Dichlorophenyl Acetic Acid				66.23	37-99				WG443508

Batch number / Run number / Sample number cross reference

WG442852: R923889: L424325-01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18  
 WG442853: R923890: L424325-19 20 21 22 23 24 25 26 27  
 WG443110: R925168: L424325-01 02 03 04 05  
 WG443111: R925169: L424325-06 07 08 09 10 11 12 13 14 15  
 WG443112: R925188: L424325-16 17 18 19 20 21 22 23 24 25  
 WG443113: R925208: L424325-26 27  
 WG443158: R927048 R927049: L424325-14 15 16 17 18 19 20 21 22 23  
 WG443154: R927168: L424325-06 07 08 09 10 11 12 13  
 WG443279: R928008: L424325-01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17  
 WG443739: R930048: L424325-01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20  
 WG443070: R930128: L424325-01 02 03 04 05  
 WG443626: R930368: L424325-28  
 WG443307: R932368 R932369: L424325-24 24 25 26 27  
 WG443808: R934208: L424325-21 22 23 24 25 26 27  
 WG444151: R935288: L424325-23 26  
 WG443508: R935291: L424325-18 19 20 21 22 23 24 25 26 27

\* \* Calculations are performed prior to rounding of reported values .

\* Performance of this Analyte is outside of established criteria.

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Quality Assurance Report  
Level II

Boise, ID 83706

L424325

October 09, 2009

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.

**Date:** 10/07/09  
**Report No:** S29576-1  
**Project:** HDRBID-SIMPLTWA  
**Client:** HDR, Boise, Idaho  
**Sampler:** Dale Reynolds  
**Field:** B1 SU etc.  
**Email To:** Mike.Murray@hdrinc.com; Dale.reynolds@hdrinc.com



## Kuo Testing Labs, Inc.

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 Web site: <http://www.kuotesting.com>  
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### SOIL ANALYSIS REPORT (All soil samples were oven-dried at 65 degrees Celcius overnight)

Lab #	Depth ft	Field ID	Sample Date	Sample Time	NO3 -N #/ac	NO3 -N ppm	NH4 -N #/ac	NH4 -N ppm	NO3-N+NH4-N #/ac
9929	1	B1 SU	09/24/09	1330	1607	401.8	2615	653.8	4222
9930	1	B1 WT	09/24/09	1345	525	131.3	4011	1002.8	4536
9931	1	B2 SU	09/24/09	1230	2010	502.5	441	110.3	2451
9932	1	B2 WT	09/24/09	1245	2080	520.0	103	25.8	2183
9933	1	B3 SU	09/23/09	1515	878	219.5	103	25.8	981
9934	1	B3 WT	09/23/09	1530	999	249.8	87	21.8	1086
9935	1	B4 SU	09/23/09	1415	540	135.0	95	23.8	635
9936	1	B4 WT	09/23/09	1430	466	116.5	120	30.0	586
9937	1	B5 SU	09/23/09	1310	2076	519.0	122	30.5	2198
9938	1	B5 WT	09/23/09	1320	2213	553.3	248	62.0	2461
9939	1	B6 SU	09/23/09	1200	203	50.8	71	17.8	274
9940	1	B6 WT	09/23/09	1215	46	11.5	66	16.5	112
9941	1	B7 SU	09/23/09	1015	66	16.5	105	26.3	171
9942	1	B7 WT	09/23/09	1030	56	14.0	101	25.3	157
9943	1	B8 SU	09/23/09	0830	46	11.5	105	26.3	151
9944	1	B8 WT	09/23/09	0845	46	11.5	107	26.8	153
9945	1	B9 SU	09/24/09	0815	1821	455.3	3171	792.8	4992
9946	1	B9 WT	09/24/09	0830	2096	524.0	4888	1222.0	6984
9947	1	B10 SU	09/24/09	1515	283	70.8	1842	460.5	2125
9948	1	B10 WT	09/24/09	1530	839	209.8	3056	764.0	3895
9949	1	B11 SU	09/23/09	1615	121	30.3	373	93.3	494
9950	1	B11 WT	09/23/09	1630	57	14.3	143	35.8	200
9951	1	B12 SU	09/24/09	1130	1064	266.0	1345	336.3	2409
9952	1	B12 WT	09/24/09	1145	165	41.3	155	38.8	320
9953	1	B13 SU	09/24/09	1015	1162	290.5	4019	1004.8	5181
9954	1	B13 WT	09/24/09	1030	2064	516.0	3165	791.3	5229
9955	1	B14 WT	09/24/09	1615	1109	277.3	3018	754.5	4127



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Boise, ID 83706

<p>Report Summary</p> <p>Monday October 05, 2009</p> <p>Report Number: L424313</p> <p>Samples Received: 09/26/09</p> <p>Client Project:</p> <p>Description: Simplot- Sunnyside, WA</p>
--

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

Entire Report Reviewed By:

Jarred Morris, ESC Representative

*Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-7327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
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REPORT OF ANALYSIS

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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B1-GW

ESC Sample # : L424313-01

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 14:00

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	380	2.0	mg/l	9056	09/29/09	2
Sulfate	3600	100	mg/l	9056	09/30/09	20
Ammonia Nitrogen	1300	10.	mg/l	350.1	10/01/09	100
Nitrate-Nitrite	1100	20.	mg/l	353.2	09/30/09	200
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	0.036	0.020	mg/l	6010B	09/30/09	1
Barium	1.3	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.052	0.010	mg/l	6010B	09/30/09	1
Lead	0.053	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.50	mg/l	8260B	10/02/09	10
Acrolein	BDL	0.50	mg/l	8260B	10/02/09	10
Acrylonitrile	BDL	0.10	mg/l	8260B	10/02/09	10
Benzene	0.75	0.010	mg/l	8260B	10/02/09	10
Bromobenzene	BDL	0.010	mg/l	8260B	10/02/09	10
Bromodichloromethane	BDL	0.010	mg/l	8260B	10/02/09	10
Bromoform	BDL	0.010	mg/l	8260B	10/02/09	10
Bromomethane	BDL	0.050	mg/l	8260B	10/02/09	10
n-Butylbenzene	BDL	0.010	mg/l	8260B	10/02/09	10
sec-Butylbenzene	BDL	0.010	mg/l	8260B	10/02/09	10
tert-Butylbenzene	BDL	0.010	mg/l	8260B	10/02/09	10
Carbon tetrachloride	BDL	0.010	mg/l	8260B	10/02/09	10
Chlorobenzene	0.013	0.010	mg/l	8260B	10/02/09	10
Chlorodibromomethane	BDL	0.010	mg/l	8260B	10/02/09	10
Chloroethane	BDL	0.050	mg/l	8260B	10/02/09	10
2-Chloroethyl vinyl ether	BDL	0.50	mg/l	8260B	10/02/09	10
Chloroform	BDL	0.050	mg/l	8260B	10/02/09	10
Chloromethane	BDL	0.025	mg/l	8260B	10/02/09	10
2-Chlorotoluene	BDL	0.010	mg/l	8260B	10/02/09	10
4-Chlorotoluene	BDL	0.010	mg/l	8260B	10/02/09	10
1,2-Dibromo-3-Chloropropane	BDL	0.050	mg/l	8260B	10/02/09	10
1,2-Dibromoethane	BDL	0.010	mg/l	8260B	10/02/09	10
Dibromomethane	BDL	0.010	mg/l	8260B	10/02/09	10
1,2-Dichlorobenzene	BDL	0.010	mg/l	8260B	10/02/09	10
1,3-Dichlorobenzene	BDL	0.010	mg/l	8260B	10/02/09	10
1,4-Dichlorobenzene	BDL	0.010	mg/l	8260B	10/02/09	10

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



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-01

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B1-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.050	mg/l	8260B	10/02/09	10
1,1-Dichloroethane	BDL	0.010	mg/l	8260B	10/02/09	10
1,2-Dichloroethane	0.090	0.010	mg/l	8260B	10/02/09	10
1,1-Dichloroethene	BDL	0.010	mg/l	8260B	10/02/09	10
cis-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	10/02/09	10
trans-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	10/02/09	10
1,2-Dichloropropane	0.037	0.010	mg/l	8260B	10/02/09	10
1,1-Dichloropropane	BDL	0.010	mg/l	8260B	10/02/09	10
1,3-Dichloropropane	BDL	0.010	mg/l	8260B	10/02/09	10
cis-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	10/02/09	10
trans-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	10/02/09	10
2,2-Dichloropropane	BDL	0.010	mg/l	8260B	10/02/09	10
Di-isopropyl ether	BDL	0.010	mg/l	8260B	10/02/09	10
Ethylbenzene	0.029	0.010	mg/l	8260B	10/02/09	10
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8260B	10/02/09	10
Isopropylbenzene	0.018	0.010	mg/l	8260B	10/02/09	10
p-Isopropyltoluene	BDL	0.010	mg/l	8260B	10/02/09	10
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	10/02/09	10
Methylene Chloride	BDL	0.050	mg/l	8260B	10/02/09	10
4-Methyl-2-pentanone (MIBK)	BDL	0.10	mg/l	8260B	10/02/09	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	10/02/09	10
Naphthalene	0.20	0.050	mg/l	8260B	10/02/09	10
n-Propylbenzene	0.051	0.010	mg/l	8260B	10/02/09	10
Styrene	BDL	0.010	mg/l	8260B	10/02/09	10
1,1,1,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	10/02/09	10
1,1,2,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	10/02/09	10
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.010	mg/l	8260B	10/02/09	10
Tetrachloroethene	BDL	0.010	mg/l	8260B	10/02/09	10
Toluene	0.064	0.050	mg/l	8260B	10/02/09	10
1,2,3-Trichlorobenzene	BDL	0.010	mg/l	8260B	10/02/09	10
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8260B	10/02/09	10
1,1,1-Trichloroethane	BDL	0.010	mg/l	8260B	10/02/09	10
1,1,2-Trichloroethane	BDL	0.010	mg/l	8260B	10/02/09	10
Trichloroethene	BDL	0.010	mg/l	8260B	10/02/09	10
Trichlorofluoromethane	BDL	0.050	mg/l	8260B	10/02/09	10
1,2,3-Trichloropropane	BDL	0.010	mg/l	8260B	10/02/09	10
1,2,4-Trimethylbenzene	0.55	0.010	mg/l	8260B	10/02/09	10
1,2,3-Trimethylbenzene	0.16	0.010	mg/l	8260B	10/02/09	10
1,3,5-Trimethylbenzene	0.15	0.010	mg/l	8260B	10/02/09	10
Vinyl chloride	BDL	0.010	mg/l	8260B	10/02/09	10
Xylenes, Total	2.1	0.030	mg/l	8260B	10/02/09	10
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	10/02/09	10
Dibromofluoromethane	104.		% Rec.	8260B	10/02/09	10

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-01

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B1-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	104.		% Rec.	8260B	10/02/09	10
Herbicides						
2,4-D	BDL	0.040	mg/l	8151	10/01/09	20
Dalapon	BDL	4.0	mg/l	8151	10/01/09	20
2,4-DB	BDL	0.040	mg/l	8151	10/01/09	20
Dicamba	BDL	0.040	mg/l	8151	10/01/09	20
Dichloroprop	BDL	0.040	mg/l	8151	10/01/09	20
Dinoseb	BDL	0.040	mg/l	8151	10/01/09	20
MCPA	BDL	2.0	mg/l	8151	10/01/09	20
MCPP	BDL	2.0	mg/l	8151	10/01/09	20
2,4,5-T	BDL	0.040	mg/l	8151	10/01/09	20
2,4,5-TP (Silvex)	BDL	0.040	mg/l	8151	10/01/09	20
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	0.00		% Rec.	8151	10/01/09	20

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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**REPORT OF ANALYSIS**

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B2-GW  
Collected By : D. Reynolds  
Collection Date : 09/24/09 13:00

ESC Sample # : L424313-02

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	150	1.0	mg/l	9056	09/29/09	1
Sulfate	350	10.	mg/l	9056	09/30/09	2
Ammonia Nitrogen	13.	0.10	mg/l	350.1	10/01/09	1
Nitrate-Nitrite	42.	2.5	mg/l	353.2	09/30/09	25
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	0.040	0.020	mg/l	6010B	09/30/09	1
Barium	1.1	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.036	0.010	mg/l	6010B	09/30/09	1
Lead	0.10	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B2-GW

Collected By : D. Reynolds  
Collection Date : 09/24/09 13:00

ESC Sample # : L424313-02

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	91.2		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B2-GW  
Collected By : D. Reynolds  
Collection Date : 09/24/09 13:00

ESC Sample # : L424313-02

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	98.4		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	104.		% Rec.	8151	09/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B3-GW

Collected By : D. Reynolds  
Collection Date : 09/23/09 15:45

ESC Sample # : L424313-03

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	380	5.0	mg/l	9056	09/29/09	5
Sulfate	270	25.	mg/l	9056	09/29/09	5
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	12.	0.20	mg/l	353.2	09/30/09	2
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	0.038	0.020	mg/l	6010B	09/30/09	1
Barium	0.79	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.038	0.010	mg/l	6010B	09/30/09	1
Lead	0.038	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B3-GW  
Collected By : D. Reynolds  
Collection Date : 09/23/09 15:45

ESC Sample # : L424313-03

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	0.020	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	0.014	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	92.5		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-03

Sample ID : B3-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 15:45

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	99.6		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	113.		% Rec.	8151	09/30/09	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

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B4-GW

Collected By : D. Reynolds  
Collection Date : 09/23/09 14:45

ESC Sample # : L424313-04

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	190	2.0	mg/l	9056	09/29/09	2
Sulfate	700	100	mg/l	9056	09/30/09	20
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	6.9	0.10	mg/l	353.2	09/30/09	1
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	0.87	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.042	0.010	mg/l	6010B	09/30/09	1
Lead	0.043	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B4-GW  
Collected By : D. Reynolds  
Collection Date : 09/23/09 14:45

ESC Sample # : L424313-04

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	93.4		% Rec.	8260B	10/02/09	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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-04

Sample ID : B4-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 14:45

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	99.8		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DE	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	97.9		% Rec.	8151	09/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B5-GW

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:30

ESC Sample # : L424313-05

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	480	5.0	mg/l	9056	09/29/09	5
Sulfate	1600	100	mg/l	9056	09/30/09	20
Ammonia Nitrogen	46.	0.50	mg/l	350.1	09/30/09	5
Nitrate-Nitrite	400	10.	mg/l	353.2	09/30/09	100
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	0.58	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.036	0.010	mg/l	6010B	09/30/09	1
Lead	0.054	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.20	mg/l	6010B	09/30/09	10
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-05

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B5-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	92.1		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B5-GW

Collected By : D. Reynolds  
Collection Date : 09/23/09 13:30

ESC Sample # : L424313-05

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	94.9		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	111.		% Rec.	8151	09/30/09	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

October 05, 2009

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

ESC Sample # : L424313-06

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B6-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	68.	1.0	mg/l	9056	09/29/09	1
Sulfate	280	25.	mg/l	9056	09/30/09	5
Ammonia Nitrogen	0.13	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	9.4	0.10	mg/l	353.2	09/30/09	1
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	1.4	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.035	0.010	mg/l	6010B	09/30/09	1
Lead	0.056	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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**REPORT OF ANALYSIS**

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B7-GW

Collected By : D. Reynolds  
Collection Date : 09/23/09 11:00

ESC Sample # : L424313-07

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	90.	1.0	mg/l	9056	09/29/09	1
Sulfate	760	100	mg/l	9056	09/30/09	20
Ammonia Nitrogen	0.62	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	4.2	0.10	mg/l	353.2	09/30/09	1
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	0.61	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.037	0.010	mg/l	6010B	09/30/09	1
Lead	0.038	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B7-GW

Collected By : D. Reynolds  
Collection Date : 09/23/09 11:00

ESC Sample # : L424313-07

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	93.7		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-07

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B7-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 11:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	98.9		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	116.		% Rec.	8151	09/30/09	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

October 05, 2009

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

ESC Sample # : L424313-08

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B8-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 09:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	65.	1.0	mg/l	9056	09/29/09	1
Sulfate	480	50.	mg/l	9056	09/30/09	10
Ammonia Nitrogen	140	5.0	mg/l	350.1	09/30/09	50
Nitrate-Nitrite	41.	1.0	mg/l	353.2	09/30/09	10
Mercury	BDL	0.00020	mg/l	7470A	09/28/09	1
Arsenic	0.063	0.020	mg/l	6010B	09/30/09	1
Barium	0.34	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.013	0.010	mg/l	6010B	09/30/09	1
Lead	0.027	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-08

Sample ID : B8-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/23/09 09:15

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	93.4		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-08

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B8-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 09:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	98.1		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	109.		% Rec.	8151	09/30/09	1

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

Note:

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Reported: 10/05/09 12:32 Printed: 10/05/09 12:34



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B9-GW  
Collected By : D. Reynolds  
Collection Date : 09/24/09 08:45

ESC Sample # : L424313-09  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	140	1.0	mg/l	9056	09/29/09	1
Sulfate	140	5.0	mg/l	9056	09/29/09	1
Ammonia Nitrogen	3.8	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	1.1	0.10	mg/l	353.2	09/30/09	1
Mercury	BDL	0.00020	mg/l	7470A	09/29/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	2.3	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.064	0.010	mg/l	6010B	09/30/09	1
Lead	0.048	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	12.	mg/l	8260B	10/02/09	250
Acrolein	BDL	12.	mg/l	8260B	10/02/09	250
Acrylonitrile	BDL	2.5	mg/l	8260B	10/02/09	250
Benzene	8.3	0.25	mg/l	8260B	10/02/09	250
Bromobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	10/02/09	250
Bromoform	BDL	0.25	mg/l	8260B	10/02/09	250
Bromomethane	BDL	1.2	mg/l	8260B	10/02/09	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	10/02/09	250
Chlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	10/02/09	250
Chloroethane	BDL	1.2	mg/l	8260B	10/02/09	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	10/02/09	250
Chloroform	BDL	1.2	mg/l	8260B	10/02/09	250
Chloromethane	BDL	0.62	mg/l	8260B	10/02/09	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	10/02/09	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	10/02/09	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	10/02/09	250
Dibromomethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
L424313-09 (SV8151) - Dilution due to matrix



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-09

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B9-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 08:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	10/02/09	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
cis-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	10/02/09	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	10/02/09	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	10/02/09	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	10/02/09	250
Ethylbenzene	1.8	0.25	mg/l	8260B	10/02/09	250
Hexachloro-1,3-butadiene	BDL	0.25	mg/l	8260B	10/02/09	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	10/02/09	250
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	10/02/09	250
Methylene Chloride	BDL	1.2	mg/l	8260B	10/02/09	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	10/02/09	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	10/02/09	250
Naphthalene	BDL	1.2	mg/l	8260B	10/02/09	250
n-Propylbenzene	0.30	0.25	mg/l	8260B	10/02/09	250
Styrene	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	10/02/09	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
Toluene	BDL	1.2	mg/l	8260B	10/02/09	250
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
Trichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	10/02/09	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
1,2,4-Trimethylbenzene	2.1	0.25	mg/l	8260B	10/02/09	250
1,2,3-Trimethylbenzene	0.57	0.25	mg/l	8260B	10/02/09	250
1,3,5-Trimethylbenzene	0.50	0.25	mg/l	8260B	10/02/09	250
Vinyl chloride	BDL	0.25	mg/l	8260B	10/02/09	250
Xylenes, Total	3.7	0.75	mg/l	8260B	10/02/09	250
Surrogate Recovery						
Toluene-d8	96.1		% Rec.	8260B	10/02/09	250
Dibromofluoromethane	91.9		% Rec.	8260B	10/02/09	250

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
L424313-09 (SV8151) - Dilution due to matrix



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REPORT OF ANALYSIS

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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-09

Sample ID : B9-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 08:45

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	98.5		% Rec.	8260B	10/02/09	250
<b>Herbicides</b>						
2,4-D	0.071	0.040	mg/l	8151	10/01/09	20
Dalapon	BDL	4.0	mg/l	8151	10/01/09	20
2,4-DB	BDL	0.040	mg/l	8151	10/01/09	20
Dicamba	BDL	0.040	mg/l	8151	10/01/09	20
Dichloroprop	BDL	0.040	mg/l	8151	10/01/09	20
Dinoseb	BDL	0.040	mg/l	8151	10/01/09	20
MCPA	BDL	2.0	mg/l	8151	10/01/09	20
MCPP	BDL	2.0	mg/l	8151	10/01/09	20
2,4,5-T	BDL	0.040	mg/l	8151	10/01/09	20
2,4,5-TP (Silvex)	BDL	0.040	mg/l	8151	10/01/09	20
<b>Surrogate Recovery</b>						
2,4-Dichlorophenyl Acetic Acid	0.00		% Rec.	8151	10/01/09	20

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

Note:

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Reported: 10/05/09 12:32 Printed: 10/05/09 12:34  
L424313-09 (SV8151) - Dilution due to matrix



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B10-GW  
Collected By : D. Reynolds  
Collection Date : 09/24/09 15:45

ESC Sample # : L424313-10

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	0.49	0.010	mg/l	8260B	10/02/09	10
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	0.0014	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	0.0014	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	0.0074	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	0.0044	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	0.0013	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	0.0046	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	0.0020	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-10

Sample ID : B10-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 15:45

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	0.052	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	0.0088	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	0.21	0.010	mg/l	8260B	10/02/09	10
1,2,3-Trimethylbenzene	0.034	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	0.030	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	0.46	0.030	mg/l	8260B	10/02/09	10
Surrogate Recovery						
Toluene-d8	97.9		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	88.2		% Rec.	8260B	10/02/09	1
4-Bromofluorobenzene	103.		% Rec.	8260B	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B11-GW  
Collected By : D. Reynolds  
Collection Date : 09/23/09 16:45

ESC Sample # : L424313-11

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	180	1.0	mg/l	9056	09/29/09	1
Sulfate	420	25.	mg/l	9056	09/30/09	5
Ammonia Nitrogen	0.34	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	37.	1.0	mg/l	353.2	09/30/09	10
Mercury	BDL	0.00020	mg/l	7470A	09/29/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	1.9	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.030	0.010	mg/l	6010B	09/30/09	1
Lead	0.041	0.0050	mg/l	6010B	09/30/09	5
Selenium	BDL	0.10	mg/l	6010B	09/30/09	1
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	0.020	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	0.011	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-11

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B11-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/23/09 16:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	0.0062	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	0.022	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	0.0052	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.10	mg/l	8260B	10/02/09	20
n-Propylbenzene	0.057	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	0.65	0.020	mg/l	8260B	10/02/09	20
1,2,3-Trimethylbenzene	0.0022	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	0.20	0.020	mg/l	8260B	10/02/09	20
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	0.095	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	86.6		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B11-GW  
Collected By : D. Reynolds  
Collection Date : 09/23/09 16:45

ESC Sample # : L424313-11  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	97.4		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	145.		% Rec.	8151	09/30/09	1

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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-12

Sample ID : B12-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 12:00

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	160	2.0	mg/l	9056	09/29/09	2
Sulfate	210	10.	mg/l	9056	09/29/09	2
Ammonia Nitrogen	0.11	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	6.9	0.10	mg/l	353.2	09/30/09	1
Mercury	0.00024	0.00020	mg/l	7470A	09/29/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	1.6	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.023	0.010	mg/l	6010B	09/30/09	1
Lead	0.028	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	0.0015	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	0.0010	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-12

Sample ID : B12-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 12:00

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	0.22	0.010	mg/l	8260B	10/02/09	10
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	0.0018	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	0.013	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	0.0030	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	0.041	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	0.0094	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	0.010	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	0.012	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	90.5		% Rec.	8260B	10/02/09	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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B12-GW  
Collected By : D. Reynolds  
Collection Date : 09/24/09 12:00

ESC Sample # : L424313-12  
Site ID : SUNNYSIDE, WA  
Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	97.9		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	95.8		% Rec.	8151	09/30/09	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: 10/05/09 12:32 Printed: 10/05/09 12:34



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Est. 1970

REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B13-GW

Collected By : D. Reynolds  
Collection Date : 09/24/09 10:45

ESC Sample # : L424313-13

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	500	5.0	mg/l	9056	09/29/09	5
Sulfate	400	25.	mg/l	9056	09/29/09	5
Ammonia Nitrogen	0.90	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	29.	1.0	mg/l	353.2	09/30/09	10
Mercury	BDL	0.00020	mg/l	7470A	09/29/09	1
Arsenic	0.023	0.020	mg/l	6010B	09/30/09	1
Barium	0.60	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.033	0.010	mg/l	6010B	09/30/09	1
Lead	0.054	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.10	mg/l	6010B	09/30/09	5
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	12.	mg/l	8260B	10/02/09	250
Acrolein	BDL	12.	mg/l	8260B	10/02/09	250
Acrylonitrile	BDL	2.5	mg/l	8260B	10/02/09	250
Benzene	6.9	0.25	mg/l	8260B	10/02/09	250
Bromobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	10/02/09	250
Bromoform	BDL	0.25	mg/l	8260B	10/02/09	250
Bromomethane	BDL	1.2	mg/l	8260B	10/02/09	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	10/02/09	250
Chlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	10/02/09	250
Chloroethane	BDL	1.2	mg/l	8260B	10/02/09	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	10/02/09	250
Chloroform	BDL	1.2	mg/l	8260B	10/02/09	250
Chloromethane	BDL	0.62	mg/l	8260B	10/02/09	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	10/02/09	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	10/02/09	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	10/02/09	250
Dibromomethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
L424313-13 (SV8151) - Dilution due to matrix



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Est. 1970

REPORT OF ANALYSIS

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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-13

Sample ID : B13-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 10:45

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	10/02/09	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dichloroethane	0.49	0.25	mg/l	8260B	10/02/09	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
cis-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	10/02/09	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	10/02/09	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	10/02/09	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	10/02/09	250
Ethylbenzene	0.55	0.25	mg/l	8260B	10/02/09	250
Hexachloro-1,3-butadiene	BDL	0.25	mg/l	8260B	10/02/09	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	10/02/09	250
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	10/02/09	250
Methylene Chloride	BDL	1.2	mg/l	8260B	10/02/09	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	10/02/09	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	10/02/09	250
Naphthalene	BDL	1.2	mg/l	8260B	10/02/09	250
n-Propylbenzene	BDL	0.25	mg/l	8260B	10/02/09	250
Styrene	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	10/02/09	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
Toluene	BDL	1.2	mg/l	8260B	10/02/09	250
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	10/02/09	250
Trichloroethene	BDL	0.25	mg/l	8260B	10/02/09	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	10/02/09	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	10/02/09	250
1,2,4-Trimethylbenzene	2.6	0.25	mg/l	8260B	10/02/09	250
1,2,3-Trimethylbenzene	0.59	0.25	mg/l	8260B	10/02/09	250
1,3,5-Trimethylbenzene	0.62	0.25	mg/l	8260B	10/02/09	250
Vinyl chloride	BDL	0.25	mg/l	8260B	10/02/09	250
Xylenes, Total	3.1	0.75	mg/l	8260B	10/02/09	250
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	10/02/09	250
Dibromofluoromethane	90.5		% Rec.	8260B	10/02/09	250

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
L424313-13 (SV8151) - Dilution due to matrix





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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-13

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : B13-GW

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 10:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	99.3		% Rec.	8260B	10/02/09	250
Herbicides						
2,4-D	0.49	0.20	mg/l	8151	10/01/09	100
Dalapon	BDL	20.	mg/l	8151	10/01/09	100
2,4-DB	BDL	0.20	mg/l	8151	10/01/09	100
Dicamba	BDL	0.20	mg/l	8151	10/01/09	100
Dichloroprop	BDL	0.20	mg/l	8151	10/01/09	100
Dinoseb	BDL	0.20	mg/l	8151	10/01/09	100
MCPA	BDL	10.	mg/l	8151	10/01/09	100
MCPP	BDL	10.	mg/l	8151	10/01/09	100
2,4,5-T	BDL	0.20	mg/l	8151	10/01/09	100
2,4,5-TP (Silvex)	BDL	0.20	mg/l	8151	10/01/09	100
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	0.00		% Rec.	8151	10/01/09	100

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

Note:

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Reported: 10/05/09 12:32 Printed: 10/05/09 12:34  
L424313-13 (SV8151) - Dilution due to matrix



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-14

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : DECON RINSATE

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 17:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1.6	1.0	mg/l	9056	09/29/09	1
Sulfate	BDL	5.0	mg/l	9056	09/29/09	1
Ammonia Nitrogen	0.27	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	BDL	0.10	mg/l	353.2	09/30/09	1
Mercury	BDL	0.00020	mg/l	7470A	09/29/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	0.023	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	0.021	0.010	mg/l	6010B	09/30/09	1
Lead	0.015	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.020	mg/l	6010B	09/30/09	1
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-14

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : DECON RINSATE

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 17:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	92.2		% Rec.	8260B	10/02/09	1

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



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Est. 1970

REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-14

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : DECON RINSATE

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 17:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	98.0		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	09/30/09	1
Dalapon	BDL	0.20	mg/l	8151	09/30/09	1
2,4-DB	BDL	0.0020	mg/l	8151	09/30/09	1
Dicamba	BDL	0.0020	mg/l	8151	09/30/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	09/30/09	1
Dinoseb	BDL	0.0020	mg/l	8151	09/30/09	1
MCPA	BDL	0.10	mg/l	8151	09/30/09	1
MCPP	BDL	0.10	mg/l	8151	09/30/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	09/30/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	09/30/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	161.		% Rec.	8151	09/30/09	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

October 05, 2009

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

ESC Sample # : L424313-15

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : FIELD BLANK

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 18:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	11.	1.0	mg/l	9056	09/29/09	1
Sulfate	32.	5.0	mg/l	9056	09/29/09	1
Ammonia Nitrogen	0.13	0.10	mg/l	350.1	09/30/09	1
Nitrate-Nitrite	1.4	0.10	mg/l	353.2	09/30/09	1
Mercury	BDL	0.00020	mg/l	7470A	09/29/09	1
Arsenic	BDL	0.020	mg/l	6010B	09/30/09	1
Barium	0.096	0.0050	mg/l	6010B	09/30/09	1
Cadmium	BDL	0.0050	mg/l	6010B	09/30/09	1
Chromium	BDL	0.010	mg/l	6010B	09/30/09	1
Lead	0.0063	0.0050	mg/l	6010B	09/30/09	1
Selenium	BDL	0.020	mg/l	6010B	09/30/09	1
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
<b>Volatile Organics</b>						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	0.0054	0.0010	mg/l	8260B	10/02/09	1
Bromoform	0.0060	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	0.0089	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

ESC Sample # : L424313-15

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Site ID : SUNNYSIDE, WA

Sample ID : FIELD BLANK

Project # :

Collected By : D. Reynolds  
Collection Date : 09/24/09 18:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	10/02/09	1
Surrogate Recovery						
Toluene-d8	98.5		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	92.7		% Rec.	8260B	10/02/09	1

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



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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : FIELD BLANK

Collected By : D. Reynolds  
Collection Date : 09/24/09 18:00

ESC Sample # : L424313-15

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	96.9		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.0020	mg/l	8151	10/01/09	1
Dalapon	BDL	0.20	mg/l	8151	10/01/09	1
2,4-DB	BDL	0.0020	mg/l	8151	10/01/09	1
Dicamba	BDL	0.0020	mg/l	8151	10/01/09	1
Dichloroprop	BDL	0.0020	mg/l	8151	10/01/09	1
Dinoseb	BDL	0.0020	mg/l	8151	10/01/09	1
MCPA	BDL	0.10	mg/l	8151	10/01/09	1
MCPP	BDL	0.10	mg/l	8151	10/01/09	1
2,4,5-T	BDL	0.0020	mg/l	8151	10/01/09	1
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	8151	10/01/09	1
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	94.8		% Rec.	8151	10/01/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

ESC Sample # : L424313-16

Sample ID : B14-GW

Site ID : SUNNYSIDE, WA

Collected By : D. Reynolds  
Collection Date : 09/24/09 16:30

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	380	2.0	mg/l	9056	09/29/09	2
Sulfate	1500	100	mg/l	9056	09/30/09	20
Ammonia Nitrogen	910	10.	mg/l	350.1	09/30/09	100
Nitrate-Nitrite	940	20.	mg/l	353.2	09/30/09	200
Mercury	BDL	0.00020	mg/l	7470A	09/29/09	1
Arsenic	BDL	0.40	mg/l	6010B	10/01/09	20
Barium	4.4	0.0050	mg/l	6010B	10/02/09	1
Cadmium	0.020	0.0050	mg/l	6010B	10/02/09	1
Chromium	0.26	0.010	mg/l	6010B	10/02/09	1
Lead	0.21	0.0050	mg/l	6010B	09/30/09	1
Selenium	0.12	0.020	mg/l	6010B	09/30/09	1
Silver	BDL	0.010	mg/l	6010B	09/30/09	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	0.68	0.025	mg/l	8260B	10/02/09	25
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	0.0040	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	0.0036	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	0.019	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1

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





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REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : B14-GW

Collected By : D. Reynolds  
Collection Date : 09/24/09 16:30

ESC Sample # : L424313-16

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	0.078	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	0.045	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	0.042	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	0.029	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	0.010	0.0010	mg/l	8260B	10/02/09	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	10/02/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	10/02/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Naphthalene	0.16	0.12	mg/l	8260B	10/02/09	25
n-Propylbenzene	0.061	0.0010	mg/l	8260B	10/02/09	1
Styrene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	10/02/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Toluene	0.068	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2,4-Trimethylbenzene	0.46	0.025	mg/l	8260B	10/02/09	25
1,2,3-Trimethylbenzene	0.13	0.025	mg/l	8260B	10/02/09	25
1,3,5-Trimethylbenzene	0.12	0.025	mg/l	8260B	10/02/09	25
Vinyl chloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Xylenes, Total	2.0	0.075	mg/l	8260B	10/02/09	25
Surrogate Recovery						
Toluene-d8	99.4		% Rec.	8260B	10/02/09	1
Dibromofluoromethane	84.3		% Rec.	8260B	10/02/09	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

October 05, 2009

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA  
Sample ID : B14-GW  
Collected By : D. Reynolds  
Collection Date : 09/24/09 16:30

ESC Sample # : L424313-16

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	112.		% Rec.	8260B	10/02/09	1
Herbicides						
2,4-D	BDL	0.040	mg/l	8151	10/01/09	20
Dalapon	BDL	4.0	mg/l	8151	10/01/09	20
2,4-DB	BDL	0.040	mg/l	8151	10/01/09	20
Dicamba	BDL	0.040	mg/l	8151	10/01/09	20
Dichloroprop	BDL	0.040	mg/l	8151	10/01/09	20
Dinoseb	BDL	0.040	mg/l	8151	10/01/09	20
MCPA	BDL	2.0	mg/l	8151	10/01/09	20
MCPP	BDL	2.0	mg/l	8151	10/01/09	20
2,4,5-T	BDL	0.040	mg/l	8151	10/01/09	20
2,4,5-TP (Silvex)	BDL	0.040	mg/l	8151	10/01/09	20
Surrogate Recovery						
2,4-Dichlorophenyl Acetic Acid	0.00		% Rec.	8151	10/01/09	20

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: 10/05/09 12:32 Printed: 10/05/09 12:34



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Est. 1970

REPORT OF ANALYSIS

October 05, 2009

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

Date Received : September 26, 2009  
Description : Simplot- Sunnyside, WA

Sample ID : TRIP BLANK

Collected By : D. Reynolds  
Collection Date : 09/23/09 00:00

ESC Sample # : L424313-17

Site ID : SUNNYSIDE, WA

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	10/02/09	1
Acrolein	BDL	0.050	mg/l	8260B	10/02/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	10/02/09	1
Benzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromoform	BDL	0.0010	mg/l	8260B	10/02/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	10/02/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	10/02/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	10/02/09	1
Chloroform	BDL	0.0050	mg/l	8260B	10/02/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	10/02/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	10/02/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	10/02/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	10/02/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	10/02/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	10/02/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	10/02/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	10/02/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	10/02/09	1

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

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T2	(ESC) - Additional method/sample information: The laboratory analysis was from an unpreserved or improperly preserved sample.

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  
10/05/09 at 12:34:23

TSR Signing Reports: 358  
R5 - Desired TAT

Sample: L424313-01 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-02 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-03 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-04 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-05 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-06 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-07 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-08 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-09 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-10 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-11 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-12 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-13 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-14 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-15 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-16 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32  
Sample: L424313-17 Account: HDRBID Received: 09/26/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/05/09 12:32



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Est. 1970

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

Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Mercury	< .0002	mg/l			WG442788	09/28/09 09:08
Chloride	< 1	mg/l			WG443068	09/29/09 10:08
Sulfate	< 5	mg/l			WG443068	09/29/09 10:08
Mercury	< .0002	mg/l			WG442856	09/29/09 11:10
2,4,5-T	< .002	mg/l			WG442980	09/29/09 14:29
2,4,5-TP (Silvex)	< .002	mg/l			WG442980	09/29/09 14:29
2,4-D	< .002	mg/l			WG442980	09/29/09 14:29
2,4-DB	< .002	mg/l			WG442980	09/29/09 14:29
Dalapon	< .002	mg/l			WG442980	09/29/09 14:29
Dicamba	< .002	mg/l			WG442980	09/29/09 14:29
Dichloroprop	< .002	mg/l			WG442980	09/29/09 14:29
Dinoseb	< .002	mg/l			WG442980	09/29/09 14:29
MCPA	< .1	mg/l			WG442980	09/29/09 14:29
MCPP	< .1	mg/l			WG442980	09/29/09 14:29
2,4-Dichlorophenyl Acetic Acid		%	94.03	42-112	WG442980	09/29/09 14:29
Chloride	< 1	mg/l			RG443087	09/29/09 10:02
Sulfate	< 5	mg/l			RG443087	09/29/09 10:02
Chloride	< 1	mg/l			WG443086	09/29/09 10:07
Sulfate	< 5	mg/l			WG443086	09/29/09 10:07
2,4,5-T	< .002	mg/l			WG443197	09/30/09 13:20
2,4,5-TP (Silvex)	< .002	mg/l			WG443197	09/30/09 13:20
2,4-D	< .002	mg/l			WG443197	09/30/09 13:20
2,4-DB	< .002	mg/l			WG443197	09/30/09 13:20
Dalapon	< .002	mg/l			WG443197	09/30/09 13:20
Dicamba	< .002	mg/l			WG443197	09/30/09 13:20
Dichloroprop	< .002	mg/l			WG443197	09/30/09 13:20
Dinoseb	< .002	mg/l			WG443197	09/30/09 13:20
MCPA	< .1	mg/l			WG443197	09/30/09 13:20
MCPP	< .1	mg/l			WG443197	09/30/09 13:20
2,4-Dichlorophenyl Acetic Acid		%	97.85	42-112	WG443197	09/30/09 13:20
Nitrate-Nitrite	< .1	mg/l			WG443187	09/30/09 03:55
Nitrate-Nitrite	< .1	mg/l			WG443190	09/30/09 04:47
Ammonia Nitrogen	< .1	mg/l			WG442976	09/30/09 17:05
Sulfate	< 5	mg/l			WG443324	09/30/09 10:02
Sulfate	< 5	mg/l			WG443325	09/30/09 09:54

\* 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  
Dale Reynolds  
412 E. Park Center Blvd, Ste 100  
Boise, ID 83706

Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Arsenic	< .02	mg/l			WG443200	09/30/09 20:24
Lead	< .005	mg/l			WG443200	09/30/09 20:24
Selenium	< .02	mg/l			WG443200	09/30/09 20:24
Silver	< .01	mg/l			WG443200	09/30/09 20:24
Ammonia Nitrogen	< .1	mg/l			WG442974	10/01/09 08:45
Arsenic	< .02	mg/l			WG443182	09/30/09 08:38
Barium	< .005	mg/l			WG443182	09/30/09 08:38
Cadmium	< .005	mg/l			WG443182	09/30/09 08:38
Chromium	< .01	mg/l			WG443182	09/30/09 08:38
Lead	< .005	mg/l			WG443182	09/30/09 08:38
Selenium	< .02	mg/l			WG443182	09/30/09 08:38
Silver	< .01	mg/l			WG443182	09/30/09 08:38
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,1,1-Trichloroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,1,2-Trichloroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,1-Dichloroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,1-Dichloroethene	< .001	mg/l			WG443669	10/02/09 07:52
1,1-Dichloropropene	< .001	mg/l			WG443669	10/02/09 07:52
1,2,3-Trichlorobenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,2,3-Trichloropropane	< .001	mg/l			WG443669	10/02/09 07:52
1,2,3-Trimethylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,2,4-Trichlorobenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,2,4-Trimethylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG443669	10/02/09 07:52
1,2-Dibromoethane	< .001	mg/l			WG443669	10/02/09 07:52
1,2-Dichlorobenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,2-Dichloroethane	< .001	mg/l			WG443669	10/02/09 07:52
1,2-Dichloropropane	< .001	mg/l			WG443669	10/02/09 07:52
1,3,5-Trimethylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,3-Dichlorobenzene	< .001	mg/l			WG443669	10/02/09 07:52
1,3-Dichloropropane	< .001	mg/l			WG443669	10/02/09 07:52
1,4-Dichlorobenzene	< .001	mg/l			WG443669	10/02/09 07:52
2,2-Dichloropropane	< .001	mg/l			WG443669	10/02/09 07:52
2-Butanone (MEK)	< .01	mg/l			WG443669	10/02/09 07:52
2-Chloroethyl vinyl ether	< .001	mg/l			WG443669	10/02/09 07:52
2-Chlorotoluene	< .001	mg/l			WG443669	10/02/09 07:52
4-Chlorotoluene	< .001	mg/l			WG443669	10/02/09 07:52
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG443669	10/02/09 07:52
Acetone	< .05	mg/l			WG443669	10/02/09 07:52
Acrolein	< .05	mg/l			WG443669	10/02/09 07:52
Acrylonitrile	< .01	mg/l			WG443669	10/02/09 07:52
Benzene	< .001	mg/l			WG443669	10/02/09 07:52
Bromobenzene	< .001	mg/l			WG443669	10/02/09 07:52
Bromodichloromethane	< .001	mg/l			WG443669	10/02/09 07:52
Bromoform	< .001	mg/l			WG443669	10/02/09 07:52
Bromomethane	< .005	mg/l			WG443669	10/02/09 07:52
Carbon tetrachloride	< .001	mg/l			WG443669	10/02/09 07:52
Chlorobenzene	< .001	mg/l			WG443669	10/02/09 07:52
Chlorodibromomethane	< .001	mg/l			WG443669	10/02/09 07:52
Chloroethane	< .001	mg/l			WG443669	10/02/09 07:52
Chloroform	< .005	mg/l			WG443669	10/02/09 07:52

\* 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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Dale Reynolds  
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Boise, ID 83706

Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Chloromethane	< .001	mg/l			WG443669	10/02/09 07:52
cis-1,2-Dichloroethene	< .001	mg/l			WG443669	10/02/09 07:52
cis-1,3-Dichloropropene	< .001	mg/l			WG443669	10/02/09 07:52
Di-isopropyl ether	< .001	mg/l			WG443669	10/02/09 07:52
Dibromomethane	< .001	mg/l			WG443669	10/02/09 07:52
Dichlorodifluoromethane	< .005	mg/l			WG443669	10/02/09 07:52
Ethylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
Hexachloro-1,3-butadiene	< .001	mg/l			WG443669	10/02/09 07:52
Isopropylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
Methyl tert-butyl ether	< .001	mg/l			WG443669	10/02/09 07:52
Methylene Chloride	< .005	mg/l			WG443669	10/02/09 07:52
n-Butylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
n-Propylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
Naphthalene	< .005	mg/l			WG443669	10/02/09 07:52
p-Isopropyltoluene	< .001	mg/l			WG443669	10/02/09 07:52
sec-Butylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
Styrene	< .001	mg/l			WG443669	10/02/09 07:52
tert-Butylbenzene	< .001	mg/l			WG443669	10/02/09 07:52
Tetrachloroethene	< .001	mg/l			WG443669	10/02/09 07:52
Toluene	< .005	mg/l			WG443669	10/02/09 07:52
trans-1,2-Dichloroethene	< .001	mg/l			WG443669	10/02/09 07:52
trans-1,3-Dichloropropene	< .001	mg/l			WG443669	10/02/09 07:52
Trichloroethene	< .001	mg/l			WG443669	10/02/09 07:52
Trichlorofluoromethane	< .005	mg/l			WG443669	10/02/09 07:52
Vinyl chloride	< .001	mg/l			WG443669	10/02/09 07:52
Xylenes, Total	< .003	mg/l			WG443669	10/02/09 07:52
4-Bromofluorobenzene		% Rec.	98.00	75-128	WG443669	10/02/09 07:52
Dibromofluoromethane		% Rec.	93.09	79-125	WG443669	10/02/09 07:52
Toluene-d8		% Rec.	98.44	87-114	WG443669	10/02/09 07:52
Barium	< .005	mg/l			WG443659	10/03/09 01:30
Cadmium	< .005	mg/l			WG443659	10/03/09 01:30
Chromium	< .01	mg/l			WG443659	10/03/09 01:30
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,1,1-Trichloroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,1,2-Trichloroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,1-Dichloroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,1-Dichloroethene	< .001	mg/l			WG443751	10/02/09 19:20
1,1-Dichloropropene	< .001	mg/l			WG443751	10/02/09 19:20
1,2,3-Trichlorobenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,2,3-Trichloropropane	< .001	mg/l			WG443751	10/02/09 19:20
1,2,3-Trimethylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,2,4-Trichlorobenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,2,4-Trimethylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG443751	10/02/09 19:20
1,2-Dibromoethane	< .001	mg/l			WG443751	10/02/09 19:20
1,2-Dichlorobenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,2-Dichloroethane	< .001	mg/l			WG443751	10/02/09 19:20
1,2-Dichloropropane	< .001	mg/l			WG443751	10/02/09 19:20
1,3,5-Trimethylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,3-Dichlorobenzene	< .001	mg/l			WG443751	10/02/09 19:20
1,3-Dichloropropane	< .001	mg/l			WG443751	10/02/09 19:20
1,4-Dichlorobenzene	< .001	mg/l			WG443751	10/02/09 19:20
2,2-Dichloropropane	< .001	mg/l			WG443751	10/02/09 19:20

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
2-Butanone (MEK)	< .01	mg/l			WG443751	10/02/09 19:20
2-Chloroethyl vinyl ether	< .001	mg/l			WG443751	10/02/09 19:20
2-Chlorotoluene	< .001	mg/l			WG443751	10/02/09 19:20
4-Chlorotoluene	< .001	mg/l			WG443751	10/02/09 19:20
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG443751	10/02/09 19:20
Acetone	< .05	mg/l			WG443751	10/02/09 19:20
Acrolein	< .05	mg/l			WG443751	10/02/09 19:20
Acrylonitrile	< .01	mg/l			WG443751	10/02/09 19:20
Benzene	< .001	mg/l			WG443751	10/02/09 19:20
Bromobenzene	< .001	mg/l			WG443751	10/02/09 19:20
Bromodichloromethane	< .001	mg/l			WG443751	10/02/09 19:20
Bromoform	< .001	mg/l			WG443751	10/02/09 19:20
Bromomethane	< .005	mg/l			WG443751	10/02/09 19:20
Carbon tetrachloride	< .001	mg/l			WG443751	10/02/09 19:20
Chlorobenzene	< .001	mg/l			WG443751	10/02/09 19:20
Chlorodibromomethane	< .001	mg/l			WG443751	10/02/09 19:20
Chloroethane	< .001	mg/l			WG443751	10/02/09 19:20
Chloroform	< .005	mg/l			WG443751	10/02/09 19:20
Chloromethane	< .001	mg/l			WG443751	10/02/09 19:20
cis-1,2-Dichloroethene	< .001	mg/l			WG443751	10/02/09 19:20
cis-1,3-Dichloropropene	< .001	mg/l			WG443751	10/02/09 19:20
Di-isopropyl ether	< .001	mg/l			WG443751	10/02/09 19:20
Dibromomethane	< .001	mg/l			WG443751	10/02/09 19:20
Dichlorodifluoromethane	< .005	mg/l			WG443751	10/02/09 19:20
Ethylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
Hexachloro-1,3-butadiene	< .001	mg/l			WG443751	10/02/09 19:20
Isopropylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
Methyl tert-butyl ether	< .001	mg/l			WG443751	10/02/09 19:20
Methylene Chloride	< .005	mg/l			WG443751	10/02/09 19:20
n-Butylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
n-Propylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
Naphthalene	< .005	mg/l			WG443751	10/02/09 19:20
p-Isopropyltoluene	< .001	mg/l			WG443751	10/02/09 19:20
sec-Butylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
Styrene	< .001	mg/l			WG443751	10/02/09 19:20
tert-Butylbenzene	< .001	mg/l			WG443751	10/02/09 19:20
Tetrachloroethene	< .001	mg/l			WG443751	10/02/09 19:20
Toluene	< .005	mg/l			WG443751	10/02/09 19:20
trans-1,2-Dichloroethene	< .001	mg/l			WG443751	10/02/09 19:20
trans-1,3-Dichloropropene	< .001	mg/l			WG443751	10/02/09 19:20
Trichloroethene	< .001	mg/l			WG443751	10/02/09 19:20
Trichlorofluoromethane	< .005	mg/l			WG443751	10/02/09 19:20
Vinyl chloride	< .001	mg/l			WG443751	10/02/09 19:20
Xylenes, Total	< .003	mg/l			WG443751	10/02/09 19:20
4-Bromofluorobenzene		% Rec.	100.8	75-128	WG443751	10/02/09 19:20
Dibromofluoromethane		% Rec.	101.6	79-125	WG443751	10/02/09 19:20
Toluene-d8		% Rec.	101.2	87-114	WG443751	10/02/09 19:20
1,2,3-Trimethylbenzene	< .001	mg/l			WG443905	10/02/09 18:51
1,2,4-Trimethylbenzene	< .001	mg/l			WG443905	10/02/09 18:51
1,3,5-Trimethylbenzene	< .001	mg/l			WG443905	10/02/09 18:51
Benzene	< .001	mg/l			WG443905	10/02/09 18:51
Naphthalene	< .005	mg/l			WG443905	10/02/09 18:51
Xylenes, Total	< .003	mg/l			WG443905	10/02/09 18:51
4-Bromofluorobenzene		% Rec.	101.2	75-128	WG443905	10/02/09 18:51
Dibromofluoromethane		% Rec.	98.35	79-125	WG443905	10/02/09 18:51
Toluene-d8		% Rec.	99.28	87-114	WG443905	10/02/09 18:51

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Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
1,2,4-Trimethylbenzene	< .001	mg/l			WG443805	10/02/09 21:31
1,2-Dichloropropane	< .001	mg/l			WG443805	10/02/09 21:31
1,3,5-Trimethylbenzene	< .001	mg/l			WG443805	10/02/09 21:31
Benzene	< .001	mg/l			WG443805	10/02/09 21:31
Naphthalene	< .005	mg/l			WG443805	10/02/09 21:31
Xylenes, Total	< .003	mg/l			WG443805	10/02/09 21:31
4-Bromofluorobenzene		% Rec.	98.66	75-128	WG443805	10/02/09 21:31
Dibromofluoromethane		% Rec.	92.40	79-125	WG443805	10/02/09 21:31
Toluene-d8		% Rec.	98.63	87-114	WG443805	10/02/09 21:31

Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Mercury	mg/l	0.000200	0		NA	20	L424252-08	WG442788
Sulfate	mg/l	0	0		0	20	L423903-01	WG443068
Mercury	mg/l	0	0		0	20	L424355-03	WG442856
Chloride	mg/l	1.90	1.80		7.49	20	L424251-04	WG443068
Chloride	mg/l	200.	200.		1.51	20	L424308-02	WG443087
Sulfate	mg/l	270.	270.		0.370	20	L424308-02	WG443087
Chloride	mg/l	90.0	90.0		0.111	20	L424313-07	WG443087
Sulfate	mg/l	230.	230.		1.31	20	L423937-05	WG443086
Chloride	mg/l	140.	140.		0	20	L424308-05	WG443086
Nitrate-Nitrite	mg/l	0	0		0	20	L423895-01	WG443187
Nitrate-Nitrite	mg/l	43.0	42.0		1.77	20	L424313-02	WG443187
Nitrate-Nitrite	mg/l	0.0500	0.0740		37.8*	20	L423219-05	WG443190
Nitrate-Nitrite	mg/l	940.	940.		0	20	L424313-16	WG443190
Ammonia Nitrogen	mg/l	0	0		0	20	L423590-01	WG442976
Sulfate	mg/l	540.	530.		2.61	20	L423219-06	WG443324
Sulfate	mg/l	35.0	36.0		1.96	20	L423220-19	WG443324
Sulfate	mg/l	280.	280.		0.712	20	L424308-05	WG443325
Sulfate	mg/l	250.	250.		0	20	L423219-07	WG443325
Arsenic	mg/l	0	0		0	20	L424355-02	WG443200
Lead	mg/l	0	0		0	20	L424355-02	WG443200
Selenium	mg/l	0	0.00630		NA	20	L424355-02	WG443200
Silver	mg/l	0	0		0	20	L424355-02	WG443200

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**Quality Assurance Report  
Level II**

L424313

October 05, 2009

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Ammonia Nitrogen	mg/l	0.120	0.140	12.9	20	L423673-01	WG442974
Ammonia Nitrogen	mg/l	0	0	0	20	L424308-04	WG442974
Arsenic	mg/l	0	0	0	20	L424313-15	WG443182
Barium	mg/l	0.0990	0.0960	2.67	20	L424313-15	WG443182
Cadmium	mg/l	0	0	0	20	L424313-15	WG443182
Chromium	mg/l	0	0	0	20	L424313-15	WG443182
Lead	mg/l	0	0.00630	NA	20	L424313-15	WG443182
Selenium	mg/l	0	0	0	20	L424313-15	WG443182
Silver	mg/l	0	0	0	20	L424313-15	WG443182
Barium	mg/l	0.180	0.177	0	20	L424962-13	WG443659
Cadmium	mg/l	0	0	0	20	L424962-13	WG443659
Chromium	mg/l	0	0.00200	NA	20	L424962-13	WG443659

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Mercury	mg/l	.003	0.00322	107.	85-115	WG442788
Chloride	mg/l	40	37.7	94.3	90-110	WG443068
Sulfate	mg/l	40	37.9	94.8	90-110	WG443068
Mercury	mg/l	.003	0.00260	86.7	85-115	WG442856
2,4,5-T	mg/l	.005	0.00463	92.6	30-136	WG442980
2,4,5-TP (Silvex)	mg/l	.005	0.00512	102.	33-134	WG442980
2,4-D	mg/l	.005	0.00408	81.7	24-127	WG442980
2,4-DB	mg/l	.005	0.00430	86.0	22-198	WG442980
Dalapon	mg/l	.005	0.00281	56.1	14-121	WG442980
Dicamba	mg/l	.005	0.00444	88.9	31-135	WG442980
Dichloroprop	mg/l	.005	0.00390	78.0	30-122	WG442980
Dinoseb	mg/l	.005	0.00481	96.2	28-183	WG442980
MCPA	mg/l	.5	0.444	88.8	32-153	WG442980
MCPP	mg/l	.5	0.483	96.7	42-133	WG442980
2,4-Dichlorophenyl Acetic Acid				67.05	42-112	WG442980
Chloride	mg/l	40	40.3	101.	90-110	WG443087
Sulfate	mg/l	40	39.5	98.8	90-110	WG443087
Chloride	mg/l	40	37.8	94.5	90-110	WG443086
Sulfate	mg/l	40	38.3	95.8	90-110	WG443086
2,4,5-T	mg/l	.005	0.00545	109.	30-136	WG443197
2,4,5-TP (Silvex)	mg/l	.005	0.00555	111.	33-134	WG443197
2,4-D	mg/l	.005	0.00503	101.	24-127	WG443197
2,4-DB	mg/l	.005	0.00455	91.0	22-198	WG443197
Dalapon	mg/l	.005	0.00319	63.8	14-121	WG443197
Dicamba	mg/l	.005	0.00548	110.	31-135	WG443197
Dichloroprop	mg/l	.005	0.00451	90.3	30-122	WG443197

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Quality Assurance Report  
Level II

October 05, 2009

L424313

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0243	97.1	72-128	WG443751
1,1,2-Trichloroethane	mg/l	.025	0.0239	95.6	79-123	WG443751
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0341	137.	51-149	WG443751
1,1-Dichloroethane	mg/l	.025	0.0256	102.	67-133	WG443751
1,1-Dichloroethene	mg/l	.025	0.0298	119.	60-130	WG443751
1,1-Dichloropropene	mg/l	.025	0.0259	103.	68-132	WG443751
1,2,3-Trichlorobenzene	mg/l	.025	0.0253	101.	63-138	WG443751
1,2,3-Trichloropropane	mg/l	.025	0.0250	100.	68-130	WG443751
1,2,3-Trimethylbenzene	mg/l	.025	0.0256	102.	70-127	WG443751
1,2,4-Trichlorobenzene	mg/l	.025	0.0248	99.3	65-137	WG443751
1,2,4-Trimethylbenzene	mg/l	.025	0.0285	114.	72-135	WG443751
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0221	88.4	55-134	WG443751
1,2-Dibromoethane	mg/l	.025	0.0227	90.8	75-126	WG443751
1,2-Dichlorobenzene	mg/l	.025	0.0245	97.9	75-122	WG443751
1,2-Dichloroethane	mg/l	.025	0.0236	94.2	63-137	WG443751
1,2-Dichloropropane	mg/l	.025	0.0246	98.6	74-122	WG443751
1,3,5-Trimethylbenzene	mg/l	.025	0.0284	114.	73-134	WG443751
1,3-Dichlorobenzene	mg/l	.025	0.0265	106.	73-131	WG443751
1,3-Dichloropropane	mg/l	.025	0.0229	91.4	77-119	WG443751
1,4-Dichlorobenzene	mg/l	.025	0.0242	96.7	70-121	WG443751
2,2-Dichloropropane	mg/l	.025	0.0247	98.9	46-151	WG443751
2-Butanone (MEK)	mg/l	.125	0.118	94.0	53-132	WG443751
2-Chloroethyl vinyl ether	mg/l	.125	0.124	99.1	0-171	WG443751
2-Chlorotoluene	mg/l	.025	0.0267	107.	74-128	WG443751
4-Chlorotoluene	mg/l	.025	0.0270	108.	74-130	WG443751
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.112	89.5	60-142	WG443751
Acetone	mg/l	.125	0.132	106.	48-134	WG443751
Acrolein	mg/l	.125	0.0624	49.9	6-182	WG443751
Acrylonitrile	mg/l	.125	0.114	90.9	60-140	WG443751
Benzene	mg/l	.025	0.0246	98.3	67-126	WG443751
Bromobenzene	mg/l	.025	0.0255	102.	76-123	WG443751
Bromodichloromethane	mg/l	.025	0.0249	99.5	68-133	WG443751
Bromoform	mg/l	.025	0.0249	99.5	60-139	WG443751
Bromomethane	mg/l	.025	0.0276	111.	45-175	WG443751
Carbon tetrachloride	mg/l	.025	0.0240	96.2	64-141	WG443751
Chlorobenzene	mg/l	.025	0.0248	99.2	77-125	WG443751
Chlorodibromomethane	mg/l	.025	0.0245	97.9	73-138	WG443751
Chloroethane	mg/l	.025	0.0286	114.	49-155	WG443751
Chloroform	mg/l	.025	0.0248	99.2	66-126	WG443751
Chloromethane	mg/l	.025	0.0268	107.	45-152	WG443751
cis-1,2-Dichloroethene	mg/l	.025	0.0233	93.0	72-128	WG443751
cis-1,3-Dichloropropene	mg/l	.025	0.0250	99.8	73-131	WG443751
Di-isopropyl ether	mg/l	.025	0.0253	101.	63-139	WG443751
Dibromomethane	mg/l	.025	0.0226	90.6	73-125	WG443751
Dichlorodifluoromethane	mg/l	.025	0.0242	97.0	39-189	WG443751
Ethylbenzene	mg/l	.025	0.0267	107.	76-129	WG443751
Hexachloro-1,3-butadiene	mg/l	.025	0.0254	102.	67-135	WG443751
Isopropylbenzene	mg/l	.025	0.0264	106.	73-132	WG443751
Methyl tert-butyl ether	mg/l	.025	0.0258	103.	51-142	WG443751
Methylene Chloride	mg/l	.025	0.0234	93.7	64-125	WG443751
n-Butylbenzene	mg/l	.025	0.0279	112.	63-142	WG443751
n-Propylbenzene	mg/l	.025	0.0280	112.	71-132	WG443751
Naphthalene	mg/l	.025	0.0241	96.5	56-145	WG443751
p-Isopropyltoluene	mg/l	.025	0.0285	114.	68-138	WG443751
sec-Butylbenzene	mg/l	.025	0.0295	118.	70-135	WG443751
Styrene	mg/l	.025	0.0242	96.9	78-130	WG443751
tert-Butylbenzene	mg/l	.025	0.0270	108.	72-134	WG443751
Tetrachloroethene	mg/l	.025	0.0256	103.	67-135	WG443751
Toluene	mg/l	.025	0.0250	100.	72-122	WG443751

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Quality Assurance Report  
Level II

October 05, 2009

L424313

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
trans-1,2-Dichloroethene	mg/l	.025	0.0247	98.7	67-129	WG443751
trans-1,3-Dichloropropene	mg/l	.025	0.0265	106.	66-137	WG443751
Trichloroethene	mg/l	.025	0.0243	97.2	74-126	WG443751
Trichlorofluoromethane	mg/l	.025	0.0301	120.	54-156	WG443751
Vinyl chloride	mg/l	.025	0.0278	111.	55-153	WG443751
Xylenes, Total	mg/l	.075	0.0771	103.	75-128	WG443751
4-Bromofluorobenzene				103.1	75-128	WG443751
Dibromofluoromethane				100.8	79-125	WG443751
Toluene-d8				106.1	87-114	WG443751
1,2,3-Trimethylbenzene	mg/l	.025	0.0249	99.7	70-127	WG443905
1,2,4-Trimethylbenzene	mg/l	.025	0.0296	119.	72-135	WG443905
1,3,5-Trimethylbenzene	mg/l	.025	0.0298	119.	73-134	WG443905
Benzene	mg/l	.025	0.0243	97.3	67-126	WG443905
Naphthalene	mg/l	.025	0.0258	103.	56-145	WG443905
Xylenes, Total	mg/l	.075	0.0870	116.	75-128	WG443905
4-Bromofluorobenzene				113.9	75-128	WG443905
Dibromofluoromethane				100.4	79-125	WG443905
Toluene-d8				99.61	87-114	WG443905
1,2,4-Trimethylbenzene	mg/l	.025	0.0276	110.	72-135	WG443805
1,2-Dichloropropane	mg/l	.025	0.0249	99.7	74-122	WG443805
1,3,5-Trimethylbenzene	mg/l	.025	0.0278	111.	73-134	WG443805
Benzene	mg/l	.025	0.0251	101.	67-126	WG443805
Naphthalene	mg/l	.025	0.0251	101.	56-145	WG443805
Xylenes, Total	mg/l	.075	0.0838	112.	75-128	WG443805
4-Bromofluorobenzene				98.30	75-128	WG443805
Dibromofluoromethane				90.47	79-125	WG443805
Toluene-d8				98.65	87-114	WG443805

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Chloride	mg/l	37.7	37.7	94.0	90-110	0	20	WG443068
Sulfate	mg/l	37.8	37.9	94.0	90-110	0.264	20	WG443068
2,4,5-T	mg/l	0.00456	0.00463	91.0	30-136	1.48	31	WG442980
2,4,5-TP (Silvex)	mg/l	0.00498	0.00512	100.	33-134	2.81	30	WG442980
2,4-D	mg/l	0.00409	0.00408	82.0	24-127	0.0553	27	WG442980
2,4-DB	mg/l	0.00444	0.00430	89.0	22-198	3.11	33	WG442980
Dalapon	mg/l	0.00270	0.00281	54.0	14-121	3.92	31	WG442980
Dicamba	mg/l	0.00436	0.00444	87.0	31-135	1.95	25	WG442980
Dichloroprop	mg/l	0.00386	0.00390	77.0	30-122	0.954	26	WG442980
Dinoseb	mg/l	0.00517	0.00481	103.	28-183	7.34	38	WG442980
MCPA	mg/l	0.442	0.444	88.0	32-153	0.364	31	WG442980
MCPP	mg/l	0.487	0.483	97.0	42-133	0.833	29	WG442980
2,4-Dichlorophenyl Acetic Acid				73.20	42-112			WG442980
Chloride	mg/l	40.3	40.3	101.	90-110	0	20	WG443087
Sulfate	mg/l	39.6	39.5	99.0	90-110	0.253	20	WG443087
Chloride	mg/l	37.8	37.8	94.0	90-110	0	20	WG443086
Sulfate	mg/l	38.1	38.3	95.0	90-110	0.524	20	WG443086

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

October 05, 2009

L424313

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
2,4,5-T	mg/l	0.00416	0.00545	83.0	30-136	26.7	31	WG443197
2,4,5-TP (Silvex)	mg/l	0.00435	0.00555	87.0	33-134	24.2	30	WG443197
2,4-D	mg/l	0.00388	0.00503	78.0	24-127	25.8	27	WG443197
2,4-DB	mg/l	0.00342	0.00455	68.0	22-198	28.3	33	WG443197
Dalapon	mg/l	0.00286	0.00319	57.0	14-121	10.9	31	WG443197
Dicamba	mg/l	0.00460	0.00548	92.0	31-135	17.4	25	WG443197
Dichloroprop	mg/l	0.00364	0.00451	73.0	30-122	21.5	26	WG443197
Dinoseb	mg/l	0.00424	0.00538	85.0	28-183	23.7	38	WG443197
MCPA	mg/l	0.379	0.493	76.0	32-153	26.1	31	WG443197
MCPP	mg/l	0.516	0.605	103.	42-133	15.8	29	WG443197
2,4-Dichlorophenyl Acetic Acid				91.85	42-112			WG443197
Nitrate-Nitrite	mg/l	5.16	5.12	103.	85-115	0.778	20	WG443187
Nitrate-Nitrite	mg/l	5.06	5.01	101.	85-115	0.993	20	WG443190
Ammonia Nitrogen	mg/l	7.01	6.97	93.0	90-110	0.572	20	WG442976
Sulfate	mg/l	38.1	38.0	95.0	90-110	0.263	20	WG443324
Sulfate	mg/l	39.5	39.4	99.0	90-110	0.253	20	WG443325
Ammonia Nitrogen	mg/l	7.49	7.46	100.	90-110	0.401	20	WG442974
1,1,1,2-Tetrachloroethane	mg/l	0.0270	0.0287	108.	75-134	6.08	20	WG443669
1,1,1-Trichloroethane	mg/l	0.0215	0.0233	86.0	67-137	8.10	20	WG443669
1,1,2,2-Tetrachloroethane	mg/l	0.0259	0.0285	103.	72-128	9.70	20	WG443669
1,1,2-Trichloroethane	mg/l	0.0266	0.0286	106.	79-123	7.45	20	WG443669
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0252	0.0237	101.	51-149	6.16	20	WG443669
1,1-Dichloroethane	mg/l	0.0226	0.0243	90.0	67-133	7.33	20	WG443669
1,1-Dichloroethene	mg/l	0.0233	0.0214	93.0	60-130	8.45	20	WG443669
1,1-Dichloropropene	mg/l	0.0220	0.0242	88.0	68-132	9.54	20	WG443669
1,2,3-Trichlorobenzene	mg/l	0.0280	0.0302	112.	63-138	7.72	20	WG443669
1,2,3-Trichloropropane	mg/l	0.0275	0.0296	110.	68-130	7.47	20	WG443669
1,2,3-Trimethylbenzene	mg/l	0.0237	0.0256	95.0	70-127	7.61	20	WG443669
1,2,4-Trichlorobenzene	mg/l	0.0262	0.0295	105.	65-137	11.6	20	WG443669
1,2,4-Trimethylbenzene	mg/l	0.0257	0.0288	103.	72-135	11.4	20	WG443669
1,2-Dibromo-3-Chloropropane	mg/l	0.0255	0.0278	102.	55-134	8.61	20	WG443669
1,2-Dibromoethane	mg/l	0.0264	0.0278	105.	75-126	5.28	20	WG443669
1,2-Dichlorobenzene	mg/l	0.0258	0.0273	103.	75-122	5.85	20	WG443669
1,2-Dichloroethane	mg/l	0.0215	0.0226	86.0	63-137	5.07	20	WG443669
1,2-Dichloropropane	mg/l	0.0236	0.0246	94.0	74-122	4.13	20	WG443669
1,3,5-Trimethylbenzene	mg/l	0.0257	0.0286	103.	73-134	10.9	20	WG443669
1,3-Dichlorobenzene	mg/l	0.0274	0.0306	109.	73-131	11.1	20	WG443669
1,3-Dichloropropane	mg/l	0.0250	0.0264	100.	77-119	5.44	20	WG443669
1,4-Dichlorobenzene	mg/l	0.0244	0.0262	98.0	70-121	7.08	20	WG443669
2,2-Dichloropropane	mg/l	0.0184	0.0207	74.0	46-151	12.0	20	WG443669
2-Butanone (MEK)	mg/l	0.114	0.125	91.0	53-132	9.21	20	WG443669
2-Chloroethyl vinyl ether	mg/l	0.119	0.127	95.0	0-171	6.37	27	WG443669
2-Chlorotoluene	mg/l	0.0247	0.0278	99.0	74-128	11.9	20	WG443669
4-Chlorotoluene	mg/l	0.0247	0.0277	99.0	74-130	11.6	20	WG443669

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Boise, ID 83706

**Quality Assurance Report  
Level II**

October 05, 1999

L424313

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
4-Methyl-2-pentanone (MIBK)	mg/l	0.107	0.121	86.0	60-142	12.0	20	WG443669
Acetone	mg/l	0.115	0.121	92.0	48-134	5.78	20	WG443669
Acrolein	mg/l	0.128	0.135	102.	6-182	5.56	39	WG443669
Acrylonitrile	mg/l	0.114	0.122	92.0	60-140	6.56	20	WG443669
Benzene	mg/l	0.0230	0.0250	92.0	67-126	8.53	20	WG443669
Bromobenzene	mg/l	0.0221	0.0241	88.0	76-123	8.69	20	WG443669
Bromodichloromethane	mg/l	0.0246	0.0260	98.0	68-133	5.39	20	WG443669
Bromoform	mg/l	0.0250	0.0269	100.	60-139	7.23	20	WG443669
Bromomethane	mg/l	0.0136	0.0162	54.0	45-175	17.5	20	WG443669
Carbon tetrachloride	mg/l	0.0192	0.0211	77.0	64-141	9.79	20	WG443669
Chlorobenzene	mg/l	0.0253	0.0280	101.	77-125	10.2	20	WG443669
Chlorodibromomethane	mg/l	0.0274	0.0296	110.	73-138	7.54	20	WG443669
Chloroethane	mg/l	0.0224	0.0290	90.0	49-155	25.8*	20	WG443669
Chloroform	mg/l	0.0218	0.0242	87.0	66-126	10.6	20	WG443669
Chloromethane	mg/l	0.0221	0.0251	88.0	45-152	12.4	20	WG443669
cis-1,2-Dichloroethene	mg/l	0.0229	0.0249	92.0	72-128	8.32	20	WG443669
cis-1,3-Dichloropropene	mg/l	0.0237	0.0256	95.0	73-131	7.59	20	WG443669
Di-isopropyl ether	mg/l	0.0215	0.0230	86.0	63-139	6.74	20	WG443669
Dibromomethane	mg/l	0.0260	0.0279	104.	73-125	6.93	20	WG443669
Dichlorodifluoromethane	mg/l	0.0239	0.0276	96.0	39-189	14.6	24	WG443669
Ethylbenzene	mg/l	0.0249	0.0282	100.	76-129	12.5	20	WG443669
Hexachloro-1,3-butadiene	mg/l	0.0254	0.0288	102.	67-135	12.5	20	WG443669
Isopropylbenzene	mg/l	0.0248	0.0277	99.0	73-132	10.9	20	WG443669
Methyl tert-butyl ether	mg/l	0.0226	0.0239	90.0	51-142	5.70	20	WG443669
Methylene Chloride	mg/l	0.0234	0.0248	94.0	64-125	5.76	20	WG443669
n-Butylbenzene	mg/l	0.0241	0.0267	96.0	63-142	10.2	20	WG443669
n-Propylbenzene	mg/l	0.0255	0.0283	102.	71-132	10.5	20	WG443669
Naphthalene	mg/l	0.0259	0.0288	103.	56-145	10.6	20	WG443669
p-Isopropyltoluene	mg/l	0.0271	0.0310	108.	68-138	13.4	20	WG443669
sec-Butylbenzene	mg/l	0.0266	0.0302	106.	70-135	12.5	20	WG443669
Styrene	mg/l	0.0254	0.0277	102.	78-130	8.47	20	WG443669
tert-Butylbenzene	mg/l	0.0261	0.0294	104.	72-134	12.1	20	WG443669
Tetrachloroethene	mg/l	0.0264	0.0292	106.	67-135	9.93	20	WG443669
Toluene	mg/l	0.0241	0.0262	96.0	72-122	8.20	20	WG443669
trans-1,2-Dichloroethene	mg/l	0.0235	0.0260	94.0	67-129	10.0	20	WG443669
trans-1,3-Dichloropropene	mg/l	0.0223	0.0236	89.0	66-137	5.87	20	WG443669
Trichloroethene	mg/l	0.0242	0.0274	97.0	74-126	12.2	20	WG443669
Trichlorofluoromethane	mg/l	0.0208	0.0244	83.0	54-156	16.1	20	WG443669
Vinyl chloride	mg/l	0.0213	0.0250	85.0	55-153	16.2	20	WG443669
Xylenes, Total	mg/l	0.0754	0.0832	100.	75-128	9.83	20	WG443669
4-Bromofluorobenzene				100.6	75-128			WG443669
Dibromofluoromethane				91.58	79-125			WG443669
Toluene-d8				99.96	87-114			WG443669
1,1,1,2-Tetrachloroethane	mg/l	0.0241	0.0252	96.0	75-134	4.53	20	WG443751
1,1,1-Trichloroethane	mg/l	0.0241	0.0258	96.0	67-137	7.08	20	WG443751
1,1,2,2-Tetrachloroethane	mg/l	0.0244	0.0243	97.0	72-128	0.310	20	WG443751
1,1,2-Trichloroethane	mg/l	0.0238	0.0239	95.0	79-123	0.382	20	WG443751
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0316	0.0341	126.	51-149	7.72	20	WG443751
1,1-Dichloroethane	mg/l	0.0238	0.0256	95.0	67-133	7.23	20	WG443751
1,1-Dichloroethene	mg/l	0.0283	0.0298	113.	60-130	5.37	20	WG443751
1,1-Dichloropropene	mg/l	0.0239	0.0259	96.0	68-132	7.77	20	WG443751
1,2,3-Trichlorobenzene	mg/l	0.0252	0.0253	101.	63-138	0.241	20	WG443751
1,2,3-Trichloropropane	mg/l	0.0248	0.0250	99.0	68-130	0.768	20	WG443751
1,2,3-Trimethylbenzene	mg/l	0.0248	0.0256	99.0	70-127	2.96	20	WG443751
1,2,4-Trichlorobenzene	mg/l	0.0245	0.0248	98.0	65-137	1.35	20	WG443751
1,2,4-Trimethylbenzene	mg/l	0.0266	0.0285	106.	72-135	6.99	20	WG443751
1,2-Dibromo-3-Chloropropane	mg/l	0.0223	0.0221	89.0	55-134	1.08	20	WG443751

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Quality Assurance Report  
Level II

October 05, 2009

L424313

Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
1,2-Dibromoethane	mg/l	0.0230	0.0227	92.0	75-126	1.38	20	WG443751	
1,2-Dichlorobenzene	mg/l	0.0240	0.0245	96.0	75-122	2.06	20	WG443751	
1,2-Dichloroethane	mg/l	0.0232	0.0236	93.0	63-137	1.68	20	WG443751	
1,2-Dichloropropane	mg/l	0.0240	0.0246	96.0	74-122	2.59	20	WG443751	
1,3,5-Trimethylbenzene	mg/l	0.0262	0.0284	105.	73-134	8.11	20	WG443751	
1,3-Dichlorobenzene	mg/l	0.0249	0.0265	100.	73-131	5.99	20	WG443751	
1,3-Dichloropropane	mg/l	0.0228	0.0229	91.0	77-119	0.457	20	WG443751	
1,4-Dichlorobenzene	mg/l	0.0235	0.0242	94.0	70-121	3.02	20	WG443751	
2,2-Dichloropropane	mg/l	0.0232	0.0247	93.0	46-151	6.47	20	WG443751	
2-Butanone (MEK)	mg/l	0.122	0.118	97.0	53-132	3.33	20	WG443751	
2-Chloroethyl vinyl ether	mg/l	0.125	0.124	100.	0-171	0.576	27	WG443751	
2-Chlorotoluene	mg/l	0.0251	0.0267	100.	74-128	6.38	20	WG443751	
4-Chlorotoluene	mg/l	0.0255	0.0270	102.	74-130	5.85	20	WG443751	
4-Methyl-2-pentanone (MIBK)	mg/l	0.114	0.112	91.0	60-142	1.94	20	WG443751	
Acetone	mg/l	0.137	0.132	110.	48-134	3.67	20	WG443751	
Acrolein	mg/l	0.0651	0.0624	52.0	6-182	4.32	39	WG443751	
Acrylonitrile	mg/l	0.115	0.114	92.0	60-140	1.52	20	WG443751	
Benzene	mg/l	0.0230	0.0246	92.0	67-126	6.48	20	WG443751	
Bromobenzene	mg/l	0.0243	0.0255	97.0	76-123	5.05	20	WG443751	
Bromodichloromethane	mg/l	0.0241	0.0249	96.0	68-133	2.97	20	WG443751	
Bromoform	mg/l	0.0247	0.0249	99.0	60-139	0.716	20	WG443751	
Bromomethane	mg/l	0.0272	0.0276	109.	45-175	1.64	20	WG443751	
Carbon tetrachloride	mg/l	0.0219	0.0240	88.0	64-141	9.37	20	WG443751	
Chlorobenzene	mg/l	0.0238	0.0248	95.0	77-125	4.16	20	WG443751	
Chlorodibromomethane	mg/l	0.0245	0.0245	98.0	73-138	0.201	20	WG443751	
Chloroethane	mg/l	0.0270	0.0286	108.	49-155	5.67	20	WG443751	
Chloroform	mg/l	0.0236	0.0248	94.0	66-126	5.02	20	WG443751	
Chloromethane	mg/l	0.0254	0.0268	102.	45-152	5.50	20	WG443751	
cis-1,2-Dichloroethene	mg/l	0.0226	0.0233	90.0	72-128	2.69	20	WG443751	
cis-1,3-Dichloropropene	mg/l	0.0246	0.0250	98.0	73-131	1.40	20	WG443751	
Di-isopropyl ether	mg/l	0.0257	0.0253	103.	63-139	1.58	20	WG443751	
Dibromomethane	mg/l	0.0228	0.0226	91.0	73-125	0.639	20	WG443751	
Dichlorodifluoromethane	mg/l	0.0220	0.0242	88.0	39-189	9.61	24	WG443751	
Ethylbenzene	mg/l	0.0250	0.0267	100.	76-129	6.90	20	WG443751	
Hexachloro-1,3-butadiene	mg/l	0.0234	0.0254	94.0	67-135	8.19	20	WG443751	
Isopropylbenzene	mg/l	0.0243	0.0264	97.0	73-132	8.13	20	WG443751	
Methyl tert-butyl ether	mg/l	0.0273	0.0258	109.	51-142	5.71	20	WG443751	
Methylene Chloride	mg/l	0.0235	0.0234	94.0	64-125	0.454	20	WG443751	
n-Butylbenzene	mg/l	0.0258	0.0279	103.	63-142	7.90	20	WG443751	
n-Propylbenzene	mg/l	0.0257	0.0280	103.	71-132	8.80	20	WG443751	
Naphthalene	mg/l	0.0247	0.0241	99.0	56-145	2.41	20	WG443751	
p-Isopropyltoluene	mg/l	0.0262	0.0285	105.	68-138	8.61	20	WG443751	
sec-Butylbenzene	mg/l	0.0267	0.0295	107.	70-135	9.78	20	WG443751	
Styrene	mg/l	0.0231	0.0242	92.0	78-130	4.92	20	WG443751	
tert-Butylbenzene	mg/l	0.0247	0.0270	99.0	72-134	8.90	20	WG443751	
Tetrachloroethene	mg/l	0.0234	0.0256	94.0	67-135	8.99	20	WG443751	
Toluene	mg/l	0.0234	0.0250	94.0	72-122	6.66	20	WG443751	
trans-1,2-Dichloroethene	mg/l	0.0233	0.0247	93.0	67-129	5.96	20	WG443751	
trans-1,3-Dichloropropene	mg/l	0.0264	0.0265	105.	66-137	0.539	20	WG443751	
Trichloroethene	mg/l	0.0224	0.0243	90.0	74-126	8.11	20	WG443751	
Trichlorofluoromethane	mg/l	0.0220	0.0301	88.0	54-156	31.1*	20	WG443751	
Vinyl chloride	mg/l	0.0262	0.0278	105.	55-153	5.92	20	WG443751	
Xylenes, Total	mg/l	0.0723	0.0771	96.0	75-128	6.37	20	WG443751	
4-Bromofluorobenzene				102.0	75-128			WG443751	
Dibromofluoromethane				100.6	79-125			WG443751	
Toluene-d8				104.8	87-114			WG443751	
1,2,3-Trimethylbenzene	mg/l	0.0262	0.0249	105.	70-127	5.13	20	WG443905	

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Tax I.D. 62-0814289

Est. 1970

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

**Quality Assurance Report  
Level II**

L424313

October 05, 2009

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
1,2,4-Trimethylbenzene	mg/l	0.0277	0.0296	111.	72-135	6.70	20	WG443905
1,3,5-Trimethylbenzene	mg/l	0.0280	0.0298	112.	73-134	6.38	20	WG443905
Benzene	mg/l	0.0256	0.0243	102.	67-126	5.16	20	WG443905
Naphthalene	mg/l	0.0277	0.0258	111.	56-145	7.11	20	WG443905
Xylenes, Total	mg/l	0.0833	0.0870	111.	75-128	4.38	20	WG443905
4-Bromofluorobenzene				101.0	75-128			WG443905
Dibromofluoromethane				98.09	79-125			WG443905
Toluene-d8				99.28	87-114			WG443905
1,2,4-Trimethylbenzene	mg/l	0.0284	0.0276	114.	72-135	2.70	20	WG443805
1,2-Dichloropropane	mg/l	0.0248	0.0249	99.0	74-122	0.310	20	WG443805
1,3,5-Trimethylbenzene	mg/l	0.0285	0.0278	114.	73-134	2.34	20	WG443805
Benzene	mg/l	0.0243	0.0251	97.0	67-126	3.38	20	WG443805
Naphthalene	mg/l	0.0288	0.0251	115.	56-145	13.5	20	WG443805
Xylenes, Total	mg/l	0.0834	0.0838	111.	75-128	0.465	20	WG443805
4-Bromofluorobenzene				102.2	75-128			WG443805
Dibromofluoromethane				89.35	79-125			WG443805
Toluene-d8				100.1	87-114			WG443805

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Mercury	mg/l	0.00217	0	.003	72.3	70-130	L424252-08	WG442788
Mercury	mg/l	0.00268	0	.003	89.3	70-130	L424355-03	WG442856
Chloride	mg/l	52.3	0	50	105.	80-120	L424251-05	WG443087
Chloride	mg/l	146.	100.	50	92.0	80-120	L424308-01	WG443086
Nitrate-Nitrite	mg/l	4.83	0.380	5	89.0	80-120	L423513-01	WG443187
Nitrate-Nitrite	mg/l	5.22	0.250	5	99.4	80-120	L423463-08	WG443190
Ammonia Nitrogen	mg/l	4.87	0.0790	5	95.8	90-110	L423219-02	WG442976
Sulfate	mg/l	90.7	39.0	50	103.	80-120	L423220-16	WG443324
Sulfate	mg/l	63.8	14.0	50	99.6	80-120	L424640-01	WG443325
Arsenic	mg/l	1.11	0	1.13	98.2	75-125	L424355-02	WG443200
Lead	mg/l	1.15	0	1.13	102.	75-125	L424355-02	WG443200
Selenium	mg/l	1.08	0.00630	1.13	95.0	75-125	L424355-02	WG443200
Silver	mg/l	0.0565	0	1.13	5.00*	75-125	L424355-02	WG443200
Ammonia Nitrogen	mg/l	5.19	0.0630	5	102.	90-110	L423879-01	WG442974

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Est. 1970

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

Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Arsenic	mg/l	1.09	0	1.13	96.5	75-125	L424313-15	WG443182
Barium	mg/l	1.24	0.0960	1.13	101.	75-125	L424313-15	WG443182
Cadmium	mg/l	1.13	0	1.13	100.	75-125	L424313-15	WG443182
Chromium	mg/l	1.13	0	1.13	100.	75-125	L424313-15	WG443182
Lead	mg/l	1.15	0.00630	1.13	101.	75-125	L424313-15	WG443182
Selenium	mg/l	1.06	0	1.13	93.8	75-125	L424313-15	WG443182
Silver	mg/l	0.152	0	1.13	13.4*	75-125	L424313-15	WG443182
1,1,1,2-Tetrachloroethane	mg/l	6.92	0	.025	111.	45-152	L424249-03	WG443669
1,1,1-Trichloroethane	mg/l	5.91	0	.025	94.6	31-161	L424249-03	WG443669
1,1,2,2-Tetrachloroethane	mg/l	6.69	0	.025	107.	49-149	L424249-03	WG443669
1,1,2-Trichloroethane	mg/l	6.68	0	.025	107.	46-145	L424249-03	WG443669
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	7.10	0	.025	114.	14-168	L424249-03	WG443669
1,1-Dichloroethane	mg/l	6.06	0	.025	96.9	30-159	L424249-03	WG443669
1,1-Dichloroethene	mg/l	6.53	0	.025	104.	10-162	L424249-03	WG443669
1,1-Dichloropropene	mg/l	6.22	0	.025	99.6	14-162	L424249-03	WG443669
1,2,3-Trichlorobenzene	mg/l	6.92	0	.025	111.	32-143	L424249-03	WG443669
1,2,3-Trichloropropane	mg/l	6.44	0	.025	103.	48-148	L424249-03	WG443669
1,2,3-Trimethylbenzene	mg/l	6.71	0.297	.025	103.	36-141	L424249-03	WG443669
1,2,4-Trichlorobenzene	mg/l	7.10	0	.025	114.	27-142	L424249-03	WG443669
1,2,4-Trimethylbenzene	mg/l	8.45	1.20	.025	116.	29-153	L424249-03	WG443669
1,2-Dibromo-3-Chloropropane	mg/l	6.13	0	.025	98.0	37-148	L424249-03	WG443669
1,2-Dibromoethane	mg/l	6.52	0	.025	104.	41-149	L424249-03	WG443669
1,2-Dichlorobenzene	mg/l	6.81	0	.025	109.	40-139	L424249-03	WG443669
1,2-Dichloroethane	mg/l	5.61	0	.025	89.8	29-167	L424249-03	WG443669
1,2-Dichloropropane	mg/l	6.12	0	.025	97.9	39-148	L424249-03	WG443669
1,3,5-Trimethylbenzene	mg/l	7.39	0.300	.025	113.	33-149	L424249-03	WG443669
1,3-Dichlorobenzene	mg/l	7.33	0	.025	117.	32-148	L424249-03	WG443669
1,3-Dichloropropane	mg/l	6.26	0.0261	.025	99.8	44-142	L424249-03	WG443669
1,4-Dichlorobenzene	mg/l	6.52	0.0187	.025	104.	32-136	L424249-03	WG443669
2,2-Dichloropropane	mg/l	5.24	0.0334	.025	83.3	14-158	L424249-03	WG443669
2-Butanone (MEK)	mg/l	26.7	1.02	.125	82.3	32-151	L424249-03	WG443669
2-Chloroethyl vinyl ether	mg/l	28.7	0	.125	92.0	0-175	L424249-03	WG443669
2-Chlorotoluene	mg/l	6.55	0	.025	105.	35-147	L424249-03	WG443669
4-Chlorotoluene	mg/l	6.75	0.0499	.025	107.	33-147	L424249-03	WG443669
4-Methyl-2-pentanone (MIBK)	mg/l	26.0	0	.125	83.2	40-160	L424249-03	WG443669
Acetone	mg/l	26.8	0	.125	85.9	25-157	L424249-03	WG443669
Acrolein	mg/l	26.8	0	.125	85.8	0-179	L424249-03	WG443669
Acrylonitrile	mg/l	28.5	0	.125	91.3	37-162	L424249-03	WG443669
Benzene	mg/l	10.2	4.30	.025	94.4	16-158	L424249-03	WG443669
Bromobenzene	mg/l	5.99	0.0714	.025	94.7	37-147	L424249-03	WG443669
Bromodichloromethane	mg/l	6.33	0	.025	101.	45-147	L424249-03	WG443669
Bromoform	mg/l	6.52	0	.025	104.	38-152	L424249-03	WG443669
Bromomethane	mg/l	3.89	0	.025	62.2	0-191	L424249-03	WG443669
Carbon tetrachloride	mg/l	5.15	0	.025	82.4	22-168	L424249-03	WG443669
Chlorobenzene	mg/l	6.82	0	.025	109.	33-148	L424249-03	WG443669
Chlorodibromomethane	mg/l	6.89	0	.025	110.	48-151	L424249-03	WG443669
Chloroethane	mg/l	7.91	0	.025	126.	4-176	L424249-03	WG443669
Chloroform	mg/l	6.03	0	.025	96.5	37-147	L424249-03	WG443669
Chloromethane	mg/l	6.03	0	.025	96.5	10-174	L424249-03	WG443669
cis-1,2-Dichloroethene	mg/l	6.21	0	.025	99.4	29-156	L424249-03	WG443669
cis-1,3-Dichloropropene	mg/l	6.26	0	.025	100.	35-148	L424249-03	WG443669
Di-isopropyl ether	mg/l	5.68	0	.025	90.8	39-160	L424249-03	WG443669
Dibromomethane	mg/l	6.58	0	.025	105.	36-152	L424249-03	WG443669
Dichlorodifluoromethane	mg/l	6.89	0	.025	110.	0-200	L424249-03	WG443669
Ethylbenzene	mg/l	8.61	1.50	.025	114.	29-150	L424249-03	WG443669
Hexachloro-1,3-butadiene	mg/l	7.54	0	.025	120.	28-144	L424249-03	WG443669
Isopropylbenzene	mg/l	6.85	0	.025	110.	35-147	L424249-03	WG443669

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Quality Assurance Report  
Level II

L424313

October 05, 2009

Analyte	Units	MS Res	Matrix Spike			% Rec	Limit	Ref Samp	Batch
			Ref Res	TV					
Methyl tert-butyl ether	mg/l	5.60	0	.025	89.6	24-167	L424249-03	WG443669	
Methylene Chloride	mg/l	6.19	0	.025	99.0	23-151	L424249-03	WG443669	
n-Butylbenzene	mg/l	6.80	0.0103	.025	109.	22-151	L424249-03	WG443669	
n-Propylbenzene	mg/l	7.18	0	.025	115.	26-150	L424249-03	WG443669	
Naphthalene	mg/l	6.23	0	.025	99.6	24-160	L424249-03	WG443669	
p-Isopropyltoluene	mg/l	7.45	0.0124	.025	119.	28-151	L424249-03	WG443669	
sec-Butylbenzene	mg/l	7.31	0	.025	117.	32-149	L424249-03	WG443669	
Styrene	mg/l	6.82	0	.025	109.	38-149	L424249-03	WG443669	
tert-Butylbenzene	mg/l	7.14	0	.025	114.	36-149	L424249-03	WG443669	
Tetrachloroethene	mg/l	7.03	0	.025	112.	13-157	L424249-03	WG443669	
Toluene	mg/l	22.3	17.0	.025	85.1	22-152	L424249-03	WG443669	
trans-1,2-Dichloroethene	mg/l	6.43	0	.025	103.	11-160	L424249-03	WG443669	
trans-1,3-Dichloropropene	mg/l	5.76	0	.025	92.2	33-153	L424249-03	WG443669	
Trichloroethene	mg/l	6.62	0	.025	106.	18-163	L424249-03	WG443669	
Trichlorofluoromethane	mg/l	7.18	0	.025	115.	10-177	L424249-03	WG443669	
Vinyl chloride	mg/l	6.35	0	.025	102.	0-179	L424249-03	WG443669	
Xylenes, Total	mg/l	32.8	12.0	.075	111.	27-151	L424249-03	WG443669	
4-Bromofluorobenzene					99.77	75-128		WG443669	
Dibromofluoromethane					92.35	79-125		WG443669	
Toluene-d8					99.67	87-114		WG443669	
Barium	mg/l	1.26	0.177	1.13	95.8	75-125	L424962-13	WG443659	
Cadmium	mg/l	1.09	0	1.13	96.5	75-125	L424962-13	WG443659	
Chromium	mg/l	1.11	0.00200	1.13	98.0	75-125	L424962-13	WG443659	
1,1,1,2-Tetrachloroethane	mg/l	0.252	0	.025	101.	45-152	L424313-01	WG443751	
1,1,1-Trichloroethane	mg/l	0.266	0	.025	106.	31-161	L424313-01	WG443751	
1,1,2,2-Tetrachloroethane	mg/l	0.254	0	.025	101.	49-149	L424313-01	WG443751	
1,1,2-Trichloroethane	mg/l	0.244	0	.025	97.4	46-145	L424313-01	WG443751	
1,1,2,2-Trifluoroethane	mg/l	0.321	0	.025	128.	14-168	L424313-01	WG443751	
1,1-Dichloroethane	mg/l	0.250	0	.025	100.	30-159	L424313-01	WG443751	
1,1-Dichloroethene	mg/l	0.303	0	.025	121.	10-162	L424313-01	WG443751	
1,1-Dichloropropene	mg/l	0.275	0	.025	110.	14-162	L424313-01	WG443751	
1,2,3-Trichlorobenzene	mg/l	0.271	0	.025	108.	32-143	L424313-01	WG443751	
1,2,3-Trichloropropane	mg/l	0.246	0	.025	98.5	48-148	L424313-01	WG443751	
1,2,3-Trimethylbenzene	mg/l	0.407	0.160	.025	98.8	36-141	L424313-01	WG443751	
1,2,4-Trichlorobenzene	mg/l	0.274	0	.025	110.	27-142	L424313-01	WG443751	
1,2,4-Trimethylbenzene	mg/l	0.773	0.550	.025	89.1	29-153	L424313-01	WG443751	
1,2-Dibromo-3-Chloropropane	mg/l	0.257	0	.025	103.	37-148	L424313-01	WG443751	
1,2-Dibromoethane	mg/l	0.242	0	.025	96.6	41-149	L424313-01	WG443751	
1,2-Dichlorobenzene	mg/l	0.255	0	.025	102.	40-139	L424313-01	WG443751	
1,2-Dichloroethane	mg/l	0.336	0.0900	.025	98.3	29-167	L424313-01	WG443751	
1,2-Dichloropropane	mg/l	0.294	0.0370	.025	103.	39-148	L424313-01	WG443751	
1,3,5-Trimethylbenzene	mg/l	0.423	0.150	.025	109.	33-149	L424313-01	WG443751	
1,3-Dichlorobenzene	mg/l	0.255	0	.025	102.	32-148	L424313-01	WG443751	
1,3-Dichloropropane	mg/l	0.241	0	.025	96.3	44-142	L424313-01	WG443751	
1,4-Dichlorobenzene	mg/l	0.247	0	.025	98.6	32-136	L424313-01	WG443751	
2,2-Dichloropropane	mg/l	0.261	0	.025	104.	14-158	L424313-01	WG443751	
2-Butanone (MEK)	mg/l	1.29	0	.125	103.	32-151	L424313-01	WG443751	
2-Chloroethyl vinyl ether	mg/l	1.35	0	.125	108.	0-175	L424313-01	WG443751	
2-Chlorotoluene	mg/l	0.274	0	.025	110.	35-147	L424313-01	WG443751	
4-Chlorotoluene	mg/l	0.269	0	.025	108.	33-147	L424313-01	WG443751	
4-Methyl-2-pentanone (MIBK)	mg/l	1.23	0	.125	98.7	40-160	L424313-01	WG443751	
Acetone	mg/l	1.68	0	.125	134.	25-157	L424313-01	WG443751	
Acrolein	mg/l	2.34	0	.125	187.*	0-179	L424313-01	WG443751	
Acrylonitrile	mg/l	1.43	0	.125	115.	37-162	L424313-01	WG443751	
Benzene	mg/l	0.986	0.750	.025	94.2	16-158	L424313-01	WG443751	

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**Quality Assurance Report  
Level II**

October 05, 2009

L424313

Analyte	Units	Matrix Spike				% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV					
Bromobenzene	µg/l	0.258	0	.025	103.	37-147	L424313-01	WG443751	
Bromodichloromethane	mg/l	0.257	0	.025	103.	45-147	L424313-01	WG443751	
Bromoform	mg/l	0.252	0	.025	101.	38-152	L424313-01	WG443751	
Bromomethane	mg/l	0.269	0	.025	108.	0-191	L424313-01	WG443751	
Carbon tetrachloride	mg/l	0.256	0	.025	102.	22-168	L424313-01	WG443751	
Chlorobenzene	mg/l	0.271	0.0130	.025	103.	33-148	L424313-01	WG443751	
Chlorodibromomethane	mg/l	0.248	0	.025	99.2	48-151	L424313-01	WG443751	
Chloroethane	mg/l	0.279	0	.025	112.	4-176	L424313-01	WG443751	
Chloroform	mg/l	0.260	0	.025	104.	37-147	L424313-01	WG443751	
Chloromethane	mg/l	0.256	0	.025	102.	10-174	L424313-01	WG443751	
cis-1,2-Dichloroethene	mg/l	0.253	0	.025	101.	29-156	L424313-01	WG443751	
cis-1,3-Dichloropropene	mg/l	0.263	0	.025	105.	35-148	L424313-01	WG443751	
Di-isopropyl ether	mg/l	0.259	0	.025	104.	39-160	L424313-01	WG443751	
Dibromomethane	mg/l	0.244	0	.025	97.6	36-152	L424313-01	WG443751	
Dichlorodifluoromethane	mg/l	0.226	0	.025	90.3	0-200	L424313-01	WG443751	
Ethylbenzene	mg/l	0.308	0.0290	.025	112.	29-150	L424313-01	WG443751	
Hexachloro-1,3-butadiene	mg/l	0.283	0	.025	113.	28-144	L424313-01	WG443751	
Isopropylbenzene	mg/l	0.282	0.0180	.025	106.	35-147	L424313-01	WG443751	
Methyl tert-butyl ether	mg/l	0.266	0	.025	106.	24-167	L424313-01	WG443751	
Methylene Chloride	mg/l	0.239	0	.025	95.6	23-151	L424313-01	WG443751	
n-Butylbenzene	mg/l	0.304	0	.025	122.	22-151	L424313-01	WG443751	
n-Propylbenzene	mg/l	0.327	0.0510	.025	110.	26-150	L424313-01	WG443751	
Naphthalene	mg/l	0.481	0.200	.025	112.	24-160	L424313-01	WG443751	
p-Isopropyltoluene	mg/l	0.288	0	.025	115.	28-151	L424313-01	WG443751	
sec-Butylbenzene	mg/l	0.291	0	.025	116.	32-149	L424313-01	WG443751	
Styrene	mg/l	0.246	0	.025	98.6	38-149	L424313-01	WG443751	
tert-Butylbenzene	mg/l	0.270	0	.025	108.	36-149	L424313-01	WG443751	
Tetrachloroethene	mg/l	0.251	0	.025	100.	13-157	L424313-01	WG443751	
Toluene	mg/l	0.320	0.0640	.025	102.	22-152	L424313-01	WG443751	
trans-1,2-Dichloroethene	mg/l	0.255	0	.025	102.	11-160	L424313-01	WG443751	
trans-1,3-Dichloropropene	mg/l	0.267	0	.025	107.	33-153	L424313-01	WG443751	
Trichloroethene	mg/l	0.248	0	.025	99.3	18-163	L424313-01	WG443751	
Trichlorofluoromethane	mg/l	0.312	0	.025	125.	10-177	L424313-01	WG443751	
Vinyl chloride	mg/l	0.281	0	.025	112.	0-179	L424313-01	WG443751	
Xylenes, Total	mg/l	2.81	2.10	.075	95.0	27-151	L424313-01	WG443751	
4-Bromofluorobenzene					100.8	75-128		WG443751	
Dibromofluoromethane					102.5	79-125		WG443751	
Toluene-d8					104.4	87-114		WG443751	
1,2,3-Trimethylbenzene	mg/l	0.0237	0	.025	94.7	36-141	L424106-02	WG443905	
1,2,4-Trimethylbenzene	mg/l	0.0251	0	.025	100.	29-153	L424106-02	WG443905	
1,3,5-Trimethylbenzene	mg/l	0.0251	0	.025	100.	33-149	L424106-02	WG443905	
Benzene	mg/l	0.0236	0	.025	94.2	16-158	L424106-02	WG443905	
Naphthalene	mg/l	0.0267	0	.025	107.	24-160	L424106-02	WG443905	
Xylenes, Total	mg/l	0.0743	0	.075	99.1	27-151	L424106-02	WG443905	
4-Bromofluorobenzene					101.0	75-128		WG443905	
Dibromofluoromethane					99.40	79-125		WG443905	
Toluene-d8					97.55	87-114		WG443905	
1,2,4-Trimethylbenzene	mg/l	0.467	0.210	.025	103.	29-153	L424313-10	WG443805	
1,2-Dichloropropane	mg/l	0.259	0	.025	104.	39-148	L424313-10	WG443805	
1,3,5-Trimethylbenzene	mg/l	0.326	0.0500	.025	110.	33-149	L424313-10	WG443805	
Benzene	mg/l	0.664	0.490	.025	69.6	16-158	L424313-10	WG443805	
Naphthalene	mg/l	0.319	0.0560	.025	105.	24-160	L424313-10	WG443805	
Xylenes, Total	mg/l	1.25	0.460	.075	106.	27-151	L424313-10	WG443805	
4-Bromofluorobenzene					100.8	75-128		WG443805	
Dibromofluoromethane					89.07	79-125		WG443805	

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Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II  
L424313

October 05, 2009

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Toluene-d8					98.78	87-114			
Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00238	0.00217	79.3	70-130	9.23	20	L424252-08	WG442788
Mercury	mg/l	0.00263	0.00268	87.7	70-130	1.88	20	L424355-03	WG442856
Chloride	mg/l	51.0	52.3	102.	80-120	2.52	20	L424251-05	WG443087
Chloride	mg/l	146.	146.	92.0	80-120	0	20	L424308-01	WG443086
Nitrate-Nitrite	mg/l	4.85	4.83	89.4	80-120	0.413	20	L423513-01	WG443187
Nitrate-Nitrite	mg/l	5.25	5.22	100.	80-120	0.573	20	L423463-08	WG443190
Ammonia Nitrogen	mg/l	4.76	4.87	93.6	90-110	2.28	20	L423219-02	WG442976
Sulfate	mg/l	89.2	90.7	100.	80-120	1.67	20	L423220-16	WG443324
Sulfate	mg/l	62.4	63.8	96.8	80-120	2.22	20	L424640-01	WG443325
Arsenic	mg/l	1.10	1.11	97.3	75-125	0.905	20	L424355-02	WG443200
Lead	mg/l	1.15	1.15	102.	75-125	0	20	L424355-02	WG443200
Selenium	mg/l	1.07	1.08	94.1	75-125	0.930	20	L424355-02	WG443200
Silver	mg/l	0.0639	0.0565	5.66*	75-125	12.3	20	L424355-02	WG443200
Ammonia Nitrogen	mg/l	5.12	5.19	101.	90-110	1.36	20	L423879-01	WG442974
Arsenic	mg/l	1.09	1.09	96.5	75-125	0	20	L424313-15	WG443182
Barium	mg/l	1.24	1.24	101.	75-125	0	20	L424313-15	WG443182
Cadmium	mg/l	1.14	1.13	101.	75-125	0.881	20	L424313-15	WG443182
Chromium	mg/l	1.12	1.13	99.1	75-125	0.889	20	L424313-15	WG443182
Lead	mg/l	1.14	1.15	100.	75-125	0.873	20	L424313-15	WG443182
Selenium	mg/l	1.05	1.06	92.9	75-125	0.948	20	L424313-15	WG443182
Silver	mg/l	0.178	0.152	15.8*	75-125	15.8	20	L424313-15	WG443182
1,1,1,2-Tetrachloroethane	mg/l	6.80	6.92	109.	45-152	1.72	21	L424249-03	WG443669
1,1,1-Trichloroethane	mg/l	5.53	5.91	88.5	31-161	6.65	23	L424249-03	WG443669
1,1,2,2-Tetrachloroethane	mg/l	7.26	6.69	116.	49-149	8.18	22	L424249-03	WG443669
1,1,2-Trichloroethane	mg/l	6.70	6.68	107.	46-145	0.231	20	L424249-03	WG443669
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	6.24	7.10	99.8	14-168	12.9	24	L424249-03	WG443669
1,1-Dichloroethane	mg/l	5.79	6.06	92.7	30-159	4.49	21	L424249-03	WG443669
1,1-Dichloroethene	mg/l	5.95	6.53	95.1	10-162	9.30	23	L424249-03	WG443669
1,1-Dichloropropene	mg/l	5.86	6.22	93.8	14-162	6.00	23	L424249-03	WG443669
1,2,3-Trichlorobenzene	mg/l	7.75	6.92	124.	32-143	11.2	33	L424249-03	WG443669

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Quality Assurance Report  
Level II

October 05, 2009

L424313

Analyte	Units	MSD	Matrix Spike		Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
			Ref	MSD						
1,2,3-Trichloropropane	mg/l	7.20	6.44	115.	48-148	11.0	23	L424249-03	WG443669	
1,2,3-Trimethylbenzene	mg/l	6.66	6.71	102.	36-141	0.842	25	L424249-03	WG443669	
1,2,4-Trichlorobenzene	mg/l	7.22	7.10	116.	27-142	1.77	30	L424249-03	WG443669	
1,2,4-Trimethylbenzene	mg/l	8.26	8.45	113.	29-153	2.31	27	L424249-03	WG443669	
1,2-Dibromo-3-Chloropropane	mg/l	7.20	6.13	115.	37-148	16.1	27	L424249-03	WG443669	
1,2-Dibromoethane	mg/l	6.76	6.52	108.	41-149	3.55	21	L424249-03	WG443669	
1,2-Dichlorobenzene	mg/l	6.90	6.81	110.	40-139	1.20	23	L424249-03	WG443669	
1,2-Dichloroethane	mg/l	5.33	5.61	85.3	29-167	5.05	21	L424249-03	WG443669	
1,2-Dichloropropane	mg/l	6.02	6.12	96.4	39-148	1.55	20	L424249-03	WG443669	
1,3,5-Trimethylbenzene	mg/l	7.19	7.39	110.	33-149	2.78	26	L424249-03	WG443669	
1,3-Dichlorobenzene	mg/l	7.08	7.33	113.	32-148	3.36	24	L424249-03	WG443669	
1,3-Dichloropropane	mg/l	6.26	6.26	99.8	44-142	0.0100	20	L424249-03	WG443669	
1,4-Dichlorobenzene	mg/l	6.39	6.52	102.	32-136	2.05	23	L424249-03	WG443669	
2,2-Dichloropropane	mg/l	4.81	5.24	76.4	14-158	8.52	23	L424249-03	WG443669	
2-Butanone (MEK)	mg/l	29.3	26.7	90.5	32-151	9.15	26	L424249-03	WG443669	
2-Chloroethyl vinyl ether	mg/l	31.1	28.7	99.4	0-175	7.72	75	L424249-03	WG443669	
2-Chlorotoluene	mg/l	6.39	6.55	102.	35-147	2.39	24	L424249-03	WG443669	
4-Chlorotoluene	mg/l	6.53	6.75	104.	33-147	3.31	25	L424249-03	WG443669	
4-Methyl-2-pentanone (MIBK)	mg/l	29.9	26.0	95.6	40-160	13.9	28	L424249-03	WG443669	
Acetone	mg/l	28.2	26.8	90.2	25-157	4.85	26	L424249-03	WG443669	
Acrolein	mg/l	29.0	26.8	92.9	0-179	7.98	39	L424249-03	WG443669	
Acrylonitrile	mg/l	30.6	28.5	97.9	37-162	6.94	24	L424249-03	WG443669	
Benzene	mg/l	9.55	10.2	83.9	16-158	6.61	21	L424249-03	WG443669	
Bromobenzene	mg/l	5.85	5.99	92.4	37-147	2.39	23	L424249-03	WG443669	
Bromodichloromethane	mg/l	6.33	6.33	101.	45-147	0.0516	20	L424249-03	WG443669	
Bromoform	mg/l	6.60	6.52	106.	38-152	1.21	20	L424249-03	WG443669	
Bromomethane	mg/l	4.20	3.89	67.2	0-191	7.61	35	L424249-03	WG443669	
Carbon tetrachloride	mg/l	0.861	5.15	13.8*	22-168	143.*	24	L424249-03	WG443669	
Chlorobenzene	mg/l	6.58	6.82	105.	33-148	3.51	22	L424249-03	WG443669	
Chlorodibromomethane	mg/l	6.83	6.89	109.	48-151	0.808	21	L424249-03	WG443669	
Chloroethane	mg/l	5.32	7.91	85.1	4-176	39.2*	27	L424249-03	WG443669	
Chloroform	mg/l	5.78	6.03	92.5	37-147	4.16	21	L424249-03	WG443669	
Chloromethane	mg/l	5.69	6.03	91.1	10-174	5.77	28	L424249-03	WG443669	
cis-1,2-Dichloroethene	mg/l	5.82	6.21	93.1	29-156	6.46	22	L424249-03	WG443669	
cis-1,3-Dichloropropene	mg/l	6.22	6.26	99.5	35-148	0.601	21	L424249-03	WG443669	
Di-isopropyl ether	mg/l	5.47	5.68	87.5	39-160	3.75	21	L424249-03	WG443669	
Dibromomethane	mg/l	6.67	6.58	107.	36-152	1.23	20	L424249-03	WG443669	
Dichlorodifluoromethane	mg/l	5.96	6.89	95.4	0-200	14.5	26	L424249-03	WG443669	
Ethylbenzene	mg/l	8.35	8.61	110.	29-150	3.09	24	L424249-03	WG443669	
Hexachloro-1,3-butadiene	mg/l	7.32	7.54	117.	28-144	2.96	33	L424249-03	WG443669	
Isopropylbenzene	mg/l	6.64	6.85	106.	35-147	3.17	25	L424249-03	WG443669	
Methyl tert-butyl ether	mg/l	5.80	5.60	92.8	24-167	3.50	22	L424249-03	WG443669	
Methylene Chloride	mg/l	5.90	6.19	94.4	23-151	4.77	21	L424249-03	WG443669	
n-Butylbenzene	mg/l	6.68	6.80	107.	22-151	1.80	29	L424249-03	WG443669	
n-Propylbenzene	mg/l	6.87	7.18	110.	26-150	4.43	25	L424249-03	WG443669	
Naphthalene	mg/l	7.20	6.23	115.	24-160	14.5	37	L424249-03	WG443669	
p-Isopropyltoluene	mg/l	7.15	7.45	114.	28-151	4.16	27	L424249-03	WG443669	
sec-Butylbenzene	mg/l	7.13	7.31	114.	32-149	2.47	26	L424249-03	WG443669	
Styrene	mg/l	6.58	6.82	105.	38-149	3.52	23	L424249-03	WG443669	
tert-Butylbenzene	mg/l	6.95	7.14	111.	36-149	2.64	26	L424249-03	WG443669	
Tetrachloroethene	mg/l	6.67	7.03	107.	13-157	5.27	24	L424249-03	WG443669	
Toluene	mg/l	21.5	22.3	72.6	22-152	3.57	22	L424249-03	WG443669	
trans-1,2-Dichloroethene	mg/l	5.93	6.43	94.9	11-160	8.09	23	L424249-03	WG443669	
trans-1,3-Dichloropropene	mg/l	5.78	5.76	92.5	33-153	0.343	22	L424249-03	WG443669	
Trichloroethene	mg/l	6.46	6.62	103.	18-163	2.46	21	L424249-03	WG443669	
Trichlorofluoromethane	mg/l	6.24	7.18	99.8	10-177	14.0	24	L424249-03	WG443669	
Vinyl chloride	mg/l	5.41	6.35	86.6	0-179	16.0	26	L424249-03	WG443669	
Xylenes, Total	mg/l	31.5	32.8	104.	27-151	3.90	23	L424249-03	WG443669	
4-Bromofluorobenzene				100.8	75-128				WG443669	

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Quality Assurance Report  
Level II

Boise, ID 83706

October 05, 2009

L424313

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit Ref	Samp	Batch
			Ref	%Rec					
Dibromofluoromethane				88.78	79-125				
Toluene-d8				99.82	87-114				
Barium	mg/l	1.26	1.26	95.8	75-125	0	20	L424962-13	WG443659
Cadmium	mg/l	1.10	1.09	97.3	75-125	0.913	20	L424962-13	WG443659
Chromium	mg/l	1.10	1.11	97.2	75-125	0.905	20	L424962-13	WG443659
1,1,1,2-Tetrachloroethane	mg/l	0.249	0.252	99.5	45-152	1.20	21	L424313-01	WG443751
1,1,1-Trichloroethane	mg/l	0.260	0.266	104.	31-161	2.33	23	L424313-01	WG443751
1,1,2,2-Tetrachloroethane	mg/l	0.249	0.254	99.6	49-149	1.88	22	L424313-01	WG443751
1,1,2-Trichloroethane	mg/l	0.241	0.244	96.4	46-145	1.03	20	L424313-01	WG443751
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.298	0.321	119.	14-168	7.41	24	L424313-01	WG443751
1,1-Dichloroethane	mg/l	0.252	0.250	101.	30-159	0.538	21	L424313-01	WG443751
1,1-Dichloroethene	mg/l	0.283	0.303	113.	10-162	6.80	23	L424313-01	WG443751
1,1-Dichloropropene	mg/l	0.269	0.275	108.	14-162	2.24	23	L424313-01	WG443751
1,2,3-Trichlorobenzene	mg/l	0.266	0.271	106.	32-143	1.67	33	L424313-01	WG443751
1,2,3-Trichloropropane	mg/l	0.245	0.246	98.0	48-148	0.567	23	L424313-01	WG443751
1,2,3-Trimethylbenzene	mg/l	0.400	0.407	96.0	36-141	1.74	25	L424313-01	WG443751
1,2,4-Trichlorobenzene	mg/l	0.269	0.274	108.	27-142	1.96	30	L424313-01	WG443751
1,2,4-Trimethylbenzene	mg/l	0.758	0.773	83.2	29-153	1.90	27	L424313-01	WG443751
1,2-Dibromo-3-Chloropropane	mg/l	0.252	0.257	101.	37-148	2.18	27	L424313-01	WG443751
1,2-Dibromoethane	mg/l	0.244	0.242	97.7	41-149	1.15	21	L424313-01	WG443751
1,2-Dichlorobenzene	mg/l	0.253	0.255	101.	40-139	0.736	23	L424313-01	WG443751
1,2-Dichloroethane	mg/l	0.328	0.336	95.2	29-167	2.32	21	L424313-01	WG443751
1,2-Dichloropropane	mg/l	0.287	0.294	99.9	39-148	2.44	20	L424313-01	WG443751
1,3,5-Trimethylbenzene	mg/l	0.418	0.423	107.	33-149	1.17	26	L424313-01	WG443751
1,3-Dichlorobenzene	mg/l	0.251	0.255	100.	32-148	1.60	24	L424313-01	WG443751
1,3-Dichloropropane	mg/l	0.240	0.241	95.9	44-142	0.479	20	L424313-01	WG443751
1,4-Dichlorobenzene	mg/l	0.243	0.247	97.0	32-136	1.63	23	L424313-01	WG443751
2,2-Dichloropropane	mg/l	0.254	0.261	102.	14-158	2.49	23	L424313-01	WG443751
2-Butanone (MEK)	mg/l	1.35	1.29	108.	32-151	4.35	26	L424313-01	WG443751
2-Chloroethyl vinyl ether	mg/l	1.33	1.35	106.	0-175	1.84	75	L424313-01	WG443751
2-Chlorotoluene	mg/l	0.269	0.274	108.	35-147	1.64	24	L424313-01	WG443751
4-Chlorotoluene	mg/l	0.265	0.269	106.	33-147	1.74	25	L424313-01	WG443751
4-Methyl-2-pentanone (MIBK)	mg/l	1.19	1.23	95.3	40-160	3.53	28	L424313-01	WG443751
Acetone	mg/l	1.61	1.68	129.	25-157	3.78	26	L424313-01	WG443751
Acrolein	mg/l	2.21	2.34	177.	0-179	5.44	39	L424313-01	WG443751
Acrylonitrile	mg/l	1.41	1.43	113.	37-162	1.49	24	L424313-01	WG443751
Benzene	mg/l	0.958	0.986	83.4	16-158	2.79	21	L424313-01	WG443751
Bromobenzene	mg/l	0.255	0.258	102.	37-147	1.24	23	L424313-01	WG443751
Bromodichloromethane	mg/l	0.250	0.257	100.	45-147	2.83	20	L424313-01	WG443751
Bromoform	mg/l	0.248	0.252	99.3	38-152	1.34	20	L424313-01	WG443751
Bromomethane	mg/l	0.250	0.269	99.9	0-191	7.46	35	L424313-01	WG443751
Carbon tetrachloride	mg/l	0.244	0.256	97.8	22-168	4.54	24	L424313-01	WG443751
Chlorobenzene	mg/l	0.267	0.271	102.	33-148	1.36	22	L424313-01	WG443751
Chlorodibromomethane	mg/l	0.248	0.248	99.1	48-151	0.0627	21	L424313-01	WG443751
Chloroethane	mg/l	0.260	0.279	104.	4-176	7.03	27	L424313-01	WG443751
Chloroform	mg/l	0.257	0.260	103.	37-147	1.32	21	L424313-01	WG443751
Chloromethane	mg/l	0.238	0.256	95.3	10-174	7.12	28	L424313-01	WG443751
cis-1,2-Dichloroethene	mg/l	0.253	0.253	101.	29-156	0.0470	22	L424313-01	WG443751
cis-1,3-Dichloropropene	mg/l	0.254	0.263	102.	35-148	3.49	21	L424313-01	WG443751
Di-isopropyl ether	mg/l	0.271	0.259	108.	39-160	4.42	21	L424313-01	WG443751
Dibromomethane	mg/l	0.238	0.244	95.1	36-152	2.56	20	L424313-01	WG443751
Dichlorodifluoromethane	mg/l	0.223	0.226	89.2	0-200	1.18	26	L424313-01	WG443751
Ethylbenzene	mg/l	0.304	0.308	110.	29-150	1.31	24	L424313-01	WG443751
Hexachloro-1,3-butadiene	mg/l	0.273	0.283	109.	28-144	3.79	33	L424313-01	WG443751
Isopropylbenzene	mg/l	0.280	0.282	105.	35-147	0.775	25	L424313-01	WG443751
Methyl tert-butyl ether	mg/l	0.263	0.266	105.	24-167	1.20	22	L424313-01	WG443751
Methylene Chloride	mg/l	0.227	0.239	90.9	23-151	4.97	21	L424313-01	WG443751

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

Quality Assurance Report  
Level II

October 05, 2009

L424313

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
n-Butylbenzene	mg/l	0.298	0.304	119.	22-151	2.11	29	L424313-01	WG443751
n-Propylbenzene	mg/l	0.321	0.327	108.	26-150	1.77	25	L424313-01	WG443751
Naphthalene	mg/l	0.471	0.481	108.	24-160	1.98	37	L424313-01	WG443751
p-Isopropyltoluene	mg/l	0.281	0.288	112.	28-151	2.29	27	L424313-01	WG443751
sec-Butylbenzene	mg/l	0.283	0.291	113.	32-149	2.61	26	L424313-01	WG443751
Styrene	mg/l	0.243	0.246	97.0	38-149	1.59	23	L424313-01	WG443751
tert-Butylbenzene	mg/l	0.265	0.270	106.	36-149	1.92	26	L424313-01	WG443751
Tetrachloroethene	mg/l	0.245	0.251	97.8	13-157	2.73	24	L424313-01	WG443751
Toluene	mg/l	0.307	0.320	97.3	22-152	4.01	22	L424313-01	WG443751
trans-1,2-Dichloroethene	mg/l	0.243	0.255	97.1	11-160	5.00	23	L424313-01	WG443751
trans-1,3-Dichloropropene	mg/l	0.258	0.267	103.	33-153	3.25	22	L424313-01	WG443751
Trichloroethene	mg/l	0.239	0.248	95.4	18-163	3.97	21	L424313-01	WG443751
Trichlorofluoromethane	mg/l	0.286	0.312	114.	10-177	8.61	24	L424313-01	WG443751
Vinyl chloride	mg/l	0.260	0.281	104.	0-179	7.74	26	L424313-01	WG443751
Xylenes, Total	mg/l	2.76	2.81	87.8	27-151	1.93	23	L424313-01	WG443751
4-Bromofluorobenzene				102.0	75-128				WG443751
Dibromofluoromethane				102.7	79-125				WG443751
Toluene-d8				103.6	87-114				WG443751
1,2,3-Trimethylbenzene	mg/l	0.0254	0.0237	102.	36-141	7.01	25	L424106-02	WG443905
1,2,4-Trimethylbenzene	mg/l	0.0267	0.0251	107.	29-153	6.18	27	L424106-02	WG443905
1,3,5-Trimethylbenzene	mg/l	0.0268	0.0251	107.	33-149	6.71	26	L424106-02	WG443905
Benzene	mg/l	0.0250	0.0236	100.	16-158	6.04	21	L424106-02	WG443905
Naphthalene	mg/l	0.0294	0.0267	118.	24-160	9.57	37	L424106-02	WG443905
Xylenes, Total	mg/l	0.0793	0.0743	106.	27-151	6.40	23	L424106-02	WG443905
4-Bromofluorobenzene				99.92	75-128				WG443905
Dibromofluoromethane				99.15	79-125				WG443905
Toluene-d8				97.99	87-114				WG443905
1,2,4-Trimethylbenzene	mg/l	0.472	0.467	105.	29-153	0.983	27	L424313-10	WG443805
1,2-Dichloropropane	mg/l	0.260	0.259	104.	39-148	0.280	20	L424313-10	WG443805
1,3,5-Trimethylbenzene	mg/l	0.325	0.326	110.	33-149	0.214	26	L424313-10	WG443805
Benzene	mg/l	0.660	0.664	68.2	16-158	0.550	21	L424313-10	WG443805
Naphthalene	mg/l	0.337	0.319	112.	24-160	5.71	37	L424313-10	WG443805
Xylenes, Total	mg/l	1.24	1.25	104.	27-151	0.727	23	L424313-10	WG443805
4-Bromofluorobenzene				101.5	75-128				WG443805
Dibromofluoromethane				89.83	79-125				WG443805
Toluene-d8				99.76	87-114				WG443805

Batch number /Run number / Sample number cross reference

WG442788: R920636: L424313-01 02 03 04 05 06 07 08  
 WG443068: R922768: L424313-09 16  
 WG442856: R922790: L424313-09 11 12 13 14 15 16  
 WG442980: R923589: L424313-03 04 05 06 07 08 11  
 WG443087: R923868: L424313-01 02 03 04 05 06 07 08  
 WG443086: R924156: L424313-11 12 13 14 15  
 WG443197: R925869: L424313-01 02 09 12 13 14 15 16  
 WG443187: R926068: L424313-01 02 03 04  
 WG443190: R926228: L424313-05 06 07 08 09 11 12 13 14 15 16  
 WG442976: R926248: L424313-03 04 05 06 07 08 09 11 12 13 14 15 16  
 WG443324: R926428: L424313-04 05 06 07 16  
 WG443325: R926449: L424313-01 02 08 11  
 WG443200: R926809: L424313-16  
 WG442974: R926828: L424313-01 02  
 WG443182: R930029: L424313-01 02 03 04 05 06 07 08 09 11 12 13 14 15

\* Performance of this Analyte is outside of established criteria.  
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Quality Assurance Report  
Level II

October 05, 2009

L424313

WG443669: R930548: L424313-02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17  
WG443659: R931969: L424313-16  
WG443751: R932849: L424313-01  
WG443905: R933508: L424313-16  
WG443805: R933588: L424313-10 11 12

\* \* Calculations are performed prior to rounding of reported values .  
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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 D**  
**VALIDATION REPORT**

pumping approximately 2 liters of groundwater prior to sample collection. Sampling personnel wore outer gloves (latex) which were removed and discarded between borings to minimize the potential for cross-contamination of samples by contact with gloves.

## **HOLDING TIMES**

### **Soil Samples:**

Two sets of 27 soil samples each were collected. One set was submitted to Environmental Science Corporation (ESC) of Mt. Juliet, Tennessee for analysis of metals, VOCs, and herbicides. The second set was submitted to Kuo Testing Labs, Inc. of Othello, Washington for analysis of nitrate-nitrogen and ammonium-nitrogen. The lab reports did not indicate that any of the required holding times were exceeded. Therefore all samples were extracted and analyzed within the required holding times as required by each of the testing methods. The samples were received at each of the laboratories on September 26, 2009, and all tests at the facilities were completed on or before October 7, 2009.

### **Groundwater Samples:**

A total of 14 groundwater samples were submitted to ESC, in addition to one trip blank, one decon-rinsate sample, and one field blank. The ESC report did not indicate that any of the required holding times were exceeded. Therefore all samples were extracted and analyzed within the required holding times as required by each of the testing methods. The samples were received at the ESC laboratories on September 26, 2009. All tests were completed on or before October 6, 2009.

## **DETECTION LIMIT**

Practical Quantitation Limits (PQL) (referred to as Detection limits in the tables of the report) are specified by the analytical methods. Several compounds were analyzed using a dilution factor ranging from 2 to 250. The ESC report specifies the dilution factor and the adjusted Practical Quantitation Limit (PQL) that was used for each compound.

## **SURROGATE SPIKE RECOVERIES**

Surrogate spike recoveries for EPA Method 8260B (VOCs) and EPA Method 8151 (herbicides) were reviewed and evaluated for adherence to the control limits specified. Groundwater samples B3-GW, B7-GW, B11-GW, and B14-GW exceeded the acceptance limits for surrogate recoveries (42-112%) of 2, 4-dichlorophenyl acetic acid in water. Soil samples B1-SU, B3-SU, B4-WT, B9-SU, B11-WT, and B12-WT exceeded the acceptance limits for surrogate recoveries (37-99%) of 2, 4-dichlorophenyl acetic acid in soils. QC Qualifier Codes in the lab reports indicate that surrogate recovery limits were either exceeded or could not be evaluated because surrogates were diluted out. Surrogate recoveries were within acceptable limits for all other compounds. The surrogate recoveries for the samples are given in the laboratory report.

## **LABORATORY METHOD BLANK**

ESC laboratories performed Laboratory Method Blank testing to ensure that there was no contamination exposure as a result of sample handling or analysis. No compounds were detected at or above the method reporting limits.

## TRIP BLANK

Two trip blanks accompanied sample containers from the time of laboratory shipment of bottles to HDR until return of water samples to the laboratory. The trip blanks accompanying groundwater and soil samples (L424313-17 and L424325-28 respectively) were below detection limits for all selected volatile organic compounds and not tested for other constituents.

## LABORATORY SPIKES AND SPIKE DUPLICATES

Matrix spikes and matrix spike duplicates were performed on random laboratory samples. For soil samples, matrix spikes were conducted on metals (EPA Methods 7471 and 6010B), VOCs (EPA Method 8260B), and herbicides (EPA Method 8151). For groundwater samples, matrix spikes were conducted on metals (EPA Methods 07470A and 6010B), nitrate-nitrite (EPA Method 353.2), ammonia-nitrogen (EPA Method 350.1), inorganic ions (EPA Method 9056), and VOCs (EPA Method 8260B). All of the percent-recoveries for matrix spikes and matrix spike duplicates of were within acceptance limits.

## RINSATE SAMPLE

A rinsate sample was collected to assess decontamination procedures. Low levels of chloride, ammonia-nitrogen, barium, chromium, and lead were detected in the rinsate sample. No VOCs or herbicides were detected.

## FIELD BLANK

A field blank was collected, which was comprised of a sample of distilled water used for decontamination of equipment. The field blank contained chloride, sulfate, ammonia-nitrogen, nitrate-nitrite, barium, lead, bromodichloromethane, bromoform, and chlorodibromomethane.

## DUPLICATE FIELD SAMPLE

A duplicate groundwater sample was secured for boring location B1. The sample was labeled B14-GW. Additionally a duplicate soil sample was collected at boring location 10. This sample was labeled B14-WT. The results of the field duplicate sampling are presented in Table D-1 and D-2. Only compounds which both had detectable amounts are included in the tables. Please refer to the ESC report for the comprehensive results.

**Table D-1. Relative Percent Difference (RPD) for Groundwater Duplicate Sample at B1  
(September 24, 2009)**

Compound	B1-GW (mg/L)	B14-GW (mg/L)	RPD (%)
Chloride	380	380	0.0
Sulfate	3600	1500	82.4
Ammonia Nitrogen	1300	910	35.3
Nitrate-Nitrite	1100	940	15.7
Barium	1.3	4.4	108.8
Chromium	0.052	0.26	133.3
Lead	0.053	0.21	119.4

Compound	B1-GW (mg/L)	B14-GW (mg/L)	RPD (%)
Benzene	0.75	0.68	9.8
Chlorobenzene	0.013	0.019	37.5
1,2-Dichloroethane	0.090	0.078	14.3
1,2-Dichloropropane	0.037	0.045	19.5
Ethylbenzene	0.029	0.042	36.6
Isopropylbenzene	0.018	0.029	46.8
Naphthalene	0.20	0.16	22.2
n-Propylbenzene	0.051	0.061	17.9
Toluene	0.064	0.068	6.1
1,2,4-Trimethylbenzene	0.55	0.46	17.8
1,2,3-Trimethylbenzene	0.16	0.13	20.7
1,3,5-Trimethylbenzene	0.15	0.12	22.2
Xylenes, Total	2.1	2.0	4.9

$$RPD = [(B1-GW) - (B14-GW)] / [\text{mean}(B1-GW, B14-GW)] \times 100$$

**Table D-2. Relative Percent Difference (RPD) for Soil Duplicate Sample at B10 (September 24, 2009)**

Compound	B10-WT (mg/kg)	B14-WT (mg/kg)	RPD (%)
Barium	190	200	5.1
Cadmium	1.8	0.48	115.8
Chromium	27.	29.	7.1
Lead	2.4	12.	133.3
Toluene-d8	98.4	100.	1.6
Dibromofluoromethane	111.	108.	2.7
4-Bromofluorobenzene	99.4	99.9	0.5

$$RPD = [(B10-WT) - (B14-WT)] / [\text{mean}(B10-WT, B14-WT)] \times 100$$