

**PACIFIC** groundwater **GROUP**

**SUNNYSIDE MUNICIPAL AIRPORT  
PESTICIDE SPRAY SHED  
REMEDIAL INVESTIGATION REPORT  
SUNNYSIDE, WASHINGTON**

**December 8, 2014**

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PESTICIDE SPRAY SHED  
REMEDIAL INVESTIGATION REPORT  
SUNNYSIDE, WASHINGTON**

*Prepared for:*

**City of Sunnyside  
818 E Edison Avenue  
Sunnyside, WA 98944**

*Prepared by:*

**Pacific Groundwater Group  
2377 Eastlake Avenue East, Suite 200  
Seattle, Washington 98102  
206.329.0141  
[www.pgwg.com](http://www.pgwg.com)**

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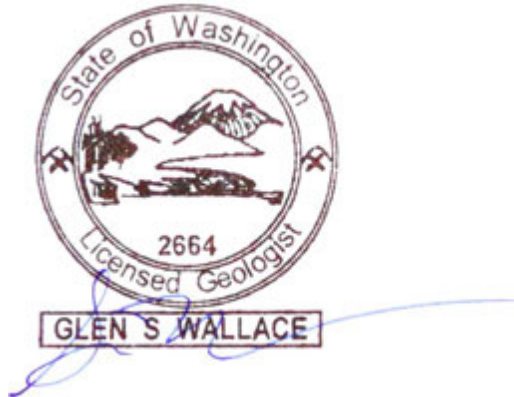
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## SIGNATURE

This report, and Pacific Groundwater Group's work contributing to this report, were reviewed by the undersigned and approved for release.



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**Glen Wallace, Ph.D.**  
Associate Geologist  
Washington State Geologist No. 2664

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## 1.0 INTRODUCTION

The Sunnyside Municipal Airport serves the City of Sunnyside and surrounding agricultural areas and is located on the eastern edge of the city (Figure 1-1). The Sunnyside Municipal Airport is owned by the City of Sunnyside. Portions of the airport have been used for crop duster operations including tank filling and aircraft spray down since the 1940s. Washington Department of Ecology (Ecology) confirmed the presence of pesticide-impacted soil in 2010 near a former pesticide storage shed.

The primary objective of the Remedial Investigation (RI) is to describe the nature and extent of pesticide contamination at the site, evaluate potential fate and transport of contaminants, and present a conceptual model of the origin and fate and transport of contaminants, consistent with the frame work in Agreed Order DE9746. The results of this RI will provide the basis for an Interim Action or Focused Feasibility Study (FFS) and Cleanup Action Plan (CAP) to be conducted under an amendment to the Agreed Order. Of those two options identified in the Agreed Order, an FFS and CAP are recommended.

The City of Sunnyside presents this RI in accordance with Agreed Order DE 9746.

This work was performed, our findings obtained, and this report prepared, using generally accepted environmental practices used at this time and in this vicinity, for exclusive application to this study, and for the exclusive use of the City of Sunnyside. This in lieu of other warranties, express or implied.

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## 1.1 EXECUTIVE SUMMARY

Soil and groundwater sampling by the Washington Department of Ecology (2010) and the City of Sunnyside (2014) confirmed the presence of pesticide and herbicide impacted soil and groundwater at the Sunnyside Municipal Airport. Contamination is likely associated with pesticide spray applicator operation at and immediately adjacent to a pesticide spray shed located at the southwest corner of the paved aircraft parking area (Figure 1-2). The pesticide spray shed was removed in the 1990s.

Soil and groundwater samples exceeded screening levels for all three analyzed classes of pesticides and herbicides: organochlorine pesticides, chlorinated herbicides and organophosphorous pesticides. Petroleum compounds benzene and diesel range organics slightly exceeded screening levels in groundwater only.

Soil concentrations exceed screening levels in shallow soil over an area of approximately 27,200 square feet at the southwest corner of the aircraft parking area adjacent to the former pesticide spray shed (Figure 2-6). Immediately adjacent to the former shed soil impacts extended to greater depths approaching the water table (~10 feet). Organochlorine pesticides had exceedance ratios up to 462 with an average exceedance ratio of 1.1. Chlorinated herbicides had exceedances up to 13.2 with an average exceedance ratio of 0.1. Organophosphorous pesticides had exceedances up to 254 with an average exceedance ratio of 0.1.

Groundwater flows to the southwest. Groundwater concentrations in a shallow sandy-silt unit exceed screening levels where they were measured below contaminated soil. Groundwater concentrations were lower in a deeper sand and gravel aquifer starting at 35 feet below ground surface. Organochlorine pesticides had exceedance ratios up to 275 with an average exceedance ratio of 3.6. Chlorinated herbicides had exceedances up to 33 with an average exceedance ratio of 1.6. Organophosphorous pesticides had exceedances up to 4.8 with an average exceedance ratio of 0.1. Groundwater samples collected down-gradient of the site in both the shallow sandy silt unit and deeper sand and gravel aquifer were below screening levels for all analyzed constituents. Groundwater contamination does not appear to extend significantly downgradient from the area of soil contamination and no offsite receptors appear to be impacted. The groundwater plume extent is likely to be stable given the hydrogeologic setting, age of contamination, ongoing degradation, and low mobility of the constituents.

Remedial action will likely be required at the site based on exceedance of screening levels but lack of substantial migration of contaminants with groundwater. The Agreed Order calls for either an Interim Action or development of a Focused Feasibility Study (FFS) after the Remedial Investigation (RI) is complete. Specific requirements for remedial action would be defined in a Cleanup Action Plan (CAP) generated after Ecology review of the recommended FFS.

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## 1.2 GENERAL FACILITY INFORMATION

Site Name:	Sunnyside Municipal Airport Pesticide Spray Shed
Site Address:	3318 Edison Road, Sunnyside, WA 98944
Parcel Number:	23102924003
Facility/Site ID:	20367
Cleanup Site ID:	11423
Agreed Order Number:	DE 9746 (effective date March 13, 2013)

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## 1.3 SITE BACKGROUND

The Sunnyside Municipal Airport has been active since at least the 1940s. The airport was originally a dirt strip with later paving of the runway and taxiways.

Ecology began a preliminary site investigation after a citizen report of pesticide releases related to a now-removed pesticide storage shed (2010b,c). Ecology phone interviews in 2010 indicated several locations of historic use:

- Aircraft wash down area.
- Storage shed located mid-field, near the plane wash-down area; this shed was reportedly removed in the early 1990s.
- Possible runoff to the south from wash down area.

Ecology collected soil samples in October 2010 that confirmed the presence of pesticides in soil. Soil samples were analyzed for herbicides (Method 8151A), organochlorine pesti-

cides (Method 8081A), and petroleum hydrocarbon identification<sup>1</sup>. Soil samples at all four locations (5 samples) exceeded MTCA Method B or Method A terrestrial screening levels (Ecology, 2010a,b) (Table 2-4, Figure 1-2). Motor oil and diesel-range petroleum hydrocarbons were detected in one sample, with concentrations below MTCA Method B screening levels. Ecology added the site to the confirmed and suspected contaminated sites list (CSCSL) upon receipt of the laboratory data. Ecology has not issued a formal site hazard assessment and site ranking.

It is likely that pesticide releases occurred in the 1980s or earlier. All of the pesticide and herbicide compounds exceeding screening levels in the Ecology-collected samples have been banned by the EPA for more than 20 years:

- Toxaphene was banned in 1990 (EPA, 2013A)
- DDT was banned in 1972 (EPA, 1972)
- DDE is a breakdown product of DDT
- Dieldrin was banned in 1987 (EPA, 2013B)

Buried metal debris was encountered during foundation excavation for a new building constructed at the site in 2010. The buried debris was encountered at between 5 and 7 feet below ground surface at the southwest corner of the building (Baurle, personal communication, 2014). The metal debris reportedly included metal cans with markings indicating that they held pesticides including DDT. The age of the metal debris is not known.

The site is currently used for civilian and commercial aviation including support for crop dusting operations and operation of other small aircraft. The site is level and partially paved. Asphalt at the edge of the taxiway is cracked, and has been identified as in need of repair (Century West, 2008).

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## 2.0 REMEDIAL INVESTIGATION

This RI summarizes the site history, hydrogeology, site investigations, and nature and extent of contamination.

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### 2.1 PROPERTY DEVELOPMENT AND HISTORY

Sunnyside Municipal Airport has historically served predominantly small single-engine and twin-engine aviation for personal, business and agricultural uses (Century West, 2008). Agricultural uses include pesticide, herbicide, and fertilizer spray operations. The original construction date of the airfield is not available, but a gravel runway was present as early as 1947 (Appendix A). Aerial photos from 1968 show what appears to be a dirt strip and associated buildings south of the strip. The airfield was paved in 1975. An aerial photo from 1979 shows the air strip and a taxiway, aircraft tie down area, and buildings adjacent to the tie down area.

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<sup>1</sup> Ecology samples are identified with an “SMA” prefix such as SMA-S001-12.



The building configuration surrounding the area where pesticide contamination has been identified has changed several times. Changes to building configurations are constrained by observations in air photos and anecdotal reports. Historic building outlines are shown in Figure 1-2. Specific changes include:

- A shed on the west side of the hangar was reportedly removed in the 1990s. This shed was reported used to store or mix pesticides (Ecology, 2010c). The shed is present in 1998 air photographs, and is not present in 2002 air photographs. This is the pesticide spray shed.
- Two buildings south of the pesticide spray shed, and located adjacent the southern property line, and multiple smaller sheds and miscellaneous equipment and containers present in the 1992 photograph are not present in the 1996 photograph.
- A two story metal building and fenced storage yard was constructed in 2010 approximately 100 feet west of the hangar. Construction also included installation of an asphalt paved area beneath the fenced storage area and connecting to the adjacent aircraft tie down area. During construction of this building, metal pesticide containers were reportedly discovered at 5 to 7 feet below ground surface under what is now the southern extent of the building (Baurle, personal communication 2014). Concurrent regrading of the gravel area south of the new building and existing hangar exposed metal fragments, which may have been parts of a building formerly located in that area (see bullet above). A grate/drain are present in the paved area north of the metal building. The plumbing associated with the grate/drain is unknown.

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## **2.2 ENVIRONMENTAL SETTING**

### **2.2.1 Site Setting and Topography**

The Sunnyside Municipal Airport is located at the eastern edge of the city limits of Sunnyside, Washington, in the Lower Yakima Valley in south-central Washington. The site is located at the southwest end of the paved aircraft tie-down area. The site is level with a primarily dirt and gravel or paved surface. The site is bounded to the east by a metal hangar building. A two story metal building and associated fenced storage area are located within the site. A parcel owned by the Port of Sunnyside is located south of the site.

### **2.2.2 Geologic Setting**

The site is located within the Lower Yakima Valley. The Lower Yakima Valley is a basin within the Yakima Fold Belt, which is by formed by folding, faulting, and uplift of the Columbia River Basalts and Ellensburg Formation into a series of northwest-southeast trending ridges and valleys. The structural basins between the ridges are filled with Neogene and Quaternary-age sedimentary deposits.

Sedimentary units at the site are divided into a shallow sandy silt unit (Touchet Beds) and a deeper sand and gravel unit. The Touchet Beds are slackwater deposits from repeated large-scale flooding of eastern and central Washington, known collectively as the Missoula floods. The Touchet Beds are approximately 35 feet thick beneath the site. Below 35 feet, the lithology shifts to sand and gravel fluvial deposits. The deeper sand and grav-

el unit is pre-Missoula flood medium-grained sand with multi-colored quartzite gravels, which are commonly encountered in the subsurface throughout the Sunnyside vicinity.

### 2.2.3 Groundwater System

Two groundwater units are identified within the depth of exploration at the site (Figures 2-1 and 2-2):

- *Sandy Silt*: The water table occurs in sandy silt at an average depth to water between 8 and 10 feet.
- *Sand and Gravel*: an aquifer is present at depths greater than approximately 35 feet where the lithology changes to sand and gravel.

The two groundwater units appear to be laterally continuous within the local area and are identified in both on-site borings and other well logs within a half-mile of the site.

Water-level measurements in the shallow sandy silt indicate groundwater flow direction to the southwest at a gradient of approximately 0.007 ft/ft (Table 2-1). Water levels at two locations in the irrigation drain south of the site are generally consistent with the projected water table indicating that the irrigation drain is locally at the water table. Water levels in a temporary well screened in the sand and gravel aquifer at location SP-32-36-W had a water level approximately 0.4 feet below the water level observed at SMW-3 indicating a downward vertical gradient of approximately 0.02 ft/ft. Due to anisotropy within the sandy silt, the actual groundwater flow path is likely to have a larger horizontal flow component than implied by comparison of gradients alone.

Slug tests at SMW-1 and SMW-2 indicate horizontal hydraulic conductivities in the sandy silt between  $4.5 \times 10^{-5}$  cm/s and  $1.3 \times 10^{-4}$  cm/s (Appendix B). Hydraulic testing was not conducted in the sand and gravel unit; aquifer materials of this type have hydraulic conductivities between  $10^{-1}$  and  $10^{-3}$  cm/s (Freeze and Cherry, 1979)

### 2.2.4 Climate and Recharge

According to the Western Regional Climate Center (WRCC, 2014), Sunnyside received an average of 7.5 inches of precipitation a year between 1981 and 2010, with 65% of precipitation falling between October and March. The driest months are July and August, which together average less than 0.4 inches of precipitation.

Average high temperatures are in the mid-60s with average highs in the summer over 90-degrees and below 40-degrees in the winter. Average minimum temperatures are below freezing from November through February, and in the mid-50s in July and August.

The high evapotranspiration rates in the Lower Yakima Valley result in a moisture deficit and little to no recharge from precipitation (Vaccaro, 2009). Recharge in the area may occur in irrigated fields or supporting irrigation infrastructure such as ditches and canals. However, while this recharge may influence the water table elevation, these sources of recharge occur off-site and will not directly influence the migration of contaminants in the vadose zone.

Month	Average Total Precipitation (inches)	Average Maximum Temperature (F)	Average Temperature (F)	Average Minimum Temperature (F)
Jan	0.90	41.0	33.6	26.3
Feb	0.63	48.9	38.6	28.3
Mar	0.60	59.2	46.6	34.0
Apr	0.59	67.0	53.0	39.0
May	0.61	75.6	61.1	46.6
Jun	0.54	82.6	67.6	52.7
Jul	0.14	90.7	73.9	57.1
Aug	0.24	89.7	72.5	55.3
Sep	0.44	80.9	64.1	47.3
Oct	0.63	67.5	52.6	37.7
Nov	0.91	51.3	41.0	30.7
Dec	1.27	38.6	31.5	24.5
<b>Annual</b>	<b>7.50</b>	<b>66.2</b>	<b>53.1</b>	<b>40.0</b>

<http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?wa8207>

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## 2.3 REGULATORY REQUIREMENTS

This section describes regulatory requirements for the remedial investigation including and terrestrial ecological evaluation, definition of constituents of potential concern, and development of screening levels. Where the regulatory requirements were addressed in the Remedial Investigation Work Plan (PGG, 2013), a summary and reference is provided. Additional regulatory requirements including identification of constituents of concern<sup>2</sup> and cleanup levels for the site will be addressed in a subsequent report, if required.

### 2.3.1 Terrestrial Ecological Resources

Terrestrial ecological evaluations (TEE) are conducted to determine if contamination at a site presents risk to plants or animals that may inhabit or occupy the site. A TEE conducted during the RIWP indicated that the site did not have a substantial potential for adverse effects to terrestrial receptors (PGG, 2013).

### 2.3.2 Constituents of Potential Concern

Constituents of Potential Concern (COPCs) at the site include the full analyte list of organochlorine pesticides, chlorinated herbicides, and organophosphorous pesticides, in addition to diesel-range hydrocarbons, and benzene.

### 2.3.3 Groundwater Screening Levels

Screening levels are defined in this RI as a means of measuring the relative severity of contamination. Screening levels may or may not be the same as future Cleanup Levels,

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<sup>2</sup> COCs are the constituents that pose unacceptable human health or ecological risks and would drive decisions on remedial action. These are different from COPCs, which are the constituents investigated during the RI.

which would be established by Ecology if necessary. Groundwater screening levels are selected as the most stringent of standard MTCA formula values (Table 2-2). Risk-based screening levels were not available for all organophosphorous pesticides, and in those cases the screening level was set at the reporting limit.

### **2.3.4 Soil Screening Levels**

Soil screening levels are selected as the most stringent of direct contact and soil-protective-of-groundwater concentrations (Table 2-3). Risk-based screening levels were not available for all organophosphorous pesticides, and in those cases the screening level was set at the soil protective-of-groundwater level based on the groundwater PQL, or set to the soil PQL if the calculated screening level was below the soil PQL.

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## **2.4 POTENTIAL SOURCES OF CONTAMINATION**

### **2.4.1 Potential On-Site Sources of Contamination**

Potential historic on-site sources of contamination include aircraft spray operations including storage, mixing, handling, and aircraft loading of pesticides and herbicides, and plane wash down. Reported discovery of pesticide containers in site-excavations (Baurle, personal communication, 2013) indicates disposal of pesticide containers also likely occurred on site.

Current site use includes an aircraft fertilizer and herbicide/pesticide spray operation. Current site use is unlikely to result in releases of chlorinated herbicides and organochlorine pesticides because use of many of these chemicals such as toxaphene and DDT have been banned by the EPA (EPA, 1972, 2013a,b). Organophosphorous pesticides remain in use and improper handling during on site use could result in releases to soil and groundwater.

### **2.4.2 Potential Off-Site Sources of Contamination**

There are no known off-site sources of contamination that impact the site for constituents of concern (COC) above background levels (Section 2.5). The site may receive pesticide spray drift from aerial spray application in the area. These impacts would likely be similar to surrounding areas and reflect regional background concentrations. COC background concentrations have not been established. As discussed in Section 2.6, soil samples collected at the edges of the site are non-detect for COCs suggesting that background is near or below reporting limits.

Pesticides are recognized regional contaminants within the Lower Yakima Valley where use and transport of impacted soil and sediment has led to exceedances of pesticide total maximum daily loads (TMDLs) in the Lower Yakima River (Johnson, et al., 2010). Lower Yakima River Clean Water Act 303 (d) list exceedances of pesticide TMDLs include DDT, DDE, DDD, dieldrin, endosulfan, chlordane, alpha-BHC, and chlorpyrifos. However, while background pesticide loads may be elevated in the Lower Yakima Valley, the decreases in COPC concentrations to near screening levels at the margins of the study area indicate that the impacts observed at the Sunnyside Municipal Airport pesticide spray shed are not the result of regional background contamination.

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## 2.5 ENVIRONMENTAL INVESTIGATIONS

This section describes geophysical investigation, and soil and groundwater sampling conducted at the site. Analytical results are discussed in Section 2.6.

### 2.5.1 Geophysical Survey

PGG performed a geophysical survey of the project area for buried metal debris on January 10, 2014. The survey was conducted with a Geonics EM-61-MKII magnetometer equipped with an integrated GPS unit, which automatically geolocated detector readings. The EM-61-MKII is commonly used to identify buried munitions and other metal objects at depths up to 8 feet below ground surface. Readings were collected in East-West and North-South oriented transects on an approximately 5 to 10 foot spacing. Supplemental readings were collected at other orientations near identified anomalies the detector was used to mark the extent of anomalies. Survey transects/pathlines and readings are mapped on Figure 2-3.

The geophysical survey identified four anomalies not related to surficial metal features. Three of these features were within the footprint of historic building outlines. Reported buried metal containers beneath the existing building were not detected by the geophysical survey due to interference from metal siding.

### 2.5.2 Soil and Groundwater Sampling

Soil and groundwater samples were collected in five sampling events:

- Ecology collected 5 soil samples at the site in October, 2010
- Phase I soil and groundwater sampling at locations SP-1 through SP-17 on February 6 and 7, 2014
- Soil sampling at locations SP-18 through SP-28 and monitoring well installation on March 20, 2014
- Sample monitoring wells SMW-1 through SMW-3 on March 31, 2014
- Soil and groundwater sampling at locations SP-29 through SP-33 on June 25, 2014

Soil and groundwater sampling conducted through March 2014 were conducted as outlined in the Remedial Investigation Work Plan (PGG, 2013). Additional soil and groundwater samples were collected in June 2014 to fill remaining data gaps in the extent of soil and groundwater contamination.

Soil samples were collected by direct-push in 4- and 5-foot long, 2-inch diameter cores depending on the direct push rig configuration. Soil samples for TPH-G and BTEX analysis were collected using EPA Method 5035 into laboratory provided sample vials. Pesticide, herbicide and diesel sample volumes were collected using clean stainless steel spoons into laboratory-provided jars.

Groundwater samples were collected by low-flow sampling methods using a peristaltic pump and Teflon lined tubing. Direct push groundwater locations were sampled using temporary 0.75-inch temporary PVC screens except for groundwater samples in the sand

and gravel aquifer, which were collected using a 4 foot telescoping stainless steel screen. Screen intervals for monitoring wells and temporary wells are included in Table 2-4. Well logs are included in Appendix C. Temperature, specific conductivity, pH, oxidation-reduction potential and dissolved oxygen were measured in the field. Turbidity was measured in the laboratory and samples exceeding 10 nephelometric turbidity units (NTU) were centrifuged by the laboratory prior to analysis.

All soil and groundwater samples were placed directly into coolers with ice. Chain of custody was maintained through delivery to OnSite Environmental in Redmond, Washington for analysis. OnSite Environmental is a Washington Department of Ecology certified laboratory. Laboratory data reports are included in Appendix D.

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## 2.6 CONTAMINANT NATURE AND EXTENT

This section describes the nature of chemicals detected in exceedance of screening levels in soil and groundwater, and the extent of the site impacted above screening levels. Results and extents of contamination are summarized in Figures 2-4 through 2-6.

Maximum exceedance ratios are used to condense and normalize results across samples and constituents. An exceedance ratio is the detected concentration of a compound divided by the screening level. Exceedance ratios greater than one indicate a concentration greater than the screening level. Exceedance ratios are tabulated by sample, and by constituent class (i.e. chlorinated herbicides or organochlorine pesticides) as an efficient way to identify the primary contaminant by sample or constituent. Exceedance ratios, summarized by constituent class are included in Table 2-4.

### 2.6.1 Soil Nature

Soil samples exceeded screening levels for organochlorine pesticides, chlorinated herbicides, and organophosphorous pesticides (Table 2-5). Petroleum compounds were detected in three samples at concentrations below screening levels. Organochlorine pesticides toxaphene, dieldrin, 4,4'-DDT, and 4,4'-DDE were the most commonly detected contaminants at the site, and included the highest exceedance ratios. Chlorinated herbicides and organophosphorous pesticides are detected above screening levels less frequently and typically at lower exceedance ratios than the organochlorine pesticides. Summaries of [maximum and averages](#)<sup>3</sup> for constituents with exceedances include:

#### Organochlorine Pesticides

- 4,4,-DDE was detected in 25 of 68 samples with a maximum concentration of 10,000 ug/kg (exceedance ratio: 22.4), and average exceedance ratio of 0.82.
- 4,4,-DDT was detected in 25 of 68 samples with a maximum concentration of 42,000 ug/kg (exceedance ratio: 14.3), and average exceedance ratio of 0.38.
- Dieldrin was detected in 11 of 68 samples with a maximum concentration of 1,300 ug/kg (exceedance ratio: 462), and average exceedance ratio of 9.8.

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<sup>3</sup> Average exceedance ratios are calculated assuming non-detect values equal to zero.

- Gamma-BHC was detected in 5 of 68 samples with a maximum concentration of 11 ug/kg (exceedance ratio: 1.8), and average exceedance ratio of 0.07.
- Heptachlor epoxide was detected in 6 of 68 samples with a maximum concentration of 23 ug/kg (exceedance ratio: 2.9), and average exceedance ratio of 0.14.
- Toxaphene was detected in 20 of 68 samples with a maximum concentration of 43,000 ug/kg (exceedance ratio: 282), and average exceedance ratio of 12.2.

#### **Chlorinated Herbicides**

- Dinoseb was detected in 9 of 68 samples with a maximum concentration of 9,100 ug/kg (exceedance ratio: 13.2), and average exceedance ratio of 0.21.
- MCPP was detected in 1 of 68 sample with a maximum concentration of 1,100 ug/kg (exceedance ratio: 2.2), and average exceedance ratio of 0.03.
- Pentachlorophenol was detected in 2 of 68 samples with a maximum concentration of 13 ug/kg (exceedance ratio: 3.7), and average exceedance ratio of 0.00.

#### **Organophosphorous Pesticides**

- Dimethoate was detected in 2 of 63 samples with a maximum concentration of 3.3 mg/kg (exceedance ratio: 254), and average exceedance ratio of 4.5.
- Disulfoton was detected in 2 of 63 samples with a maximum concentration of 0.11 mg/kg (exceedance ratio: 1.2), and average exceedance ratio of 0.02.
- EPN was detected in 1 of 63 samples with a maximum concentration of 0.03 mg/kg (exceedance ratio: 1.0), and average exceedance ratio of 0.02.
- Ethoprophos was detected in 1 of 68 samples with a maximum concentration of 0.11 mg/kg (exceedance ratio: 11.0), and average exceedance ratio of 0.17.
- Fensulfothion was detected in 2 of 68 samples with a maximum concentration of 0.10 mg/kg (exceedance ratio: 2.0), and average exceedance ratio of 0.05.

### **2.6.2 Soil Extent**

Soil exceedances extend over an area of approximately 27,220 square feet within the 0- to 5-foot depth interval (Figure 2-6). Exceedances were limited to the upper two to four feet below ground surface across most of that area. Exceedances were noted in the deeper samples collected between five and seven feet below ground surface (bgs) over an area of approximately 4,150 square feet were located in the vicinity of the former pesticide spray shed and in the vicinity of sample location SP-26. The area with exceedances at depth is also where the highest soil concentrations and exceedance ratios for organochlorine pesticides and chlorinated herbicides were observed.

Contaminants are not evenly distributed across the site.

- Organochlorine pesticides are detected throughout the site and often exceed screening levels or are detected only in the shallow sample.

- Chlorinated herbicide exceedances are concentrated in the center of the site, and do not parallel the pattern of organochlorine concentrations.
- Organophosphorous pesticides only exceed screening levels in four locations in the vadose zone, but exceed screening levels in both the shallow (less than 5 ft) and deep vadose zone samples at 3 of 4 of those locations; the fourth location, SMW-2, only had a sample at 7 ft bgs. Location SP-12 exceeded the screening level below the water table without detections above in shallower samples.

Concentrations in all samples collected along the southern property line were below screening levels.

### 2.6.3 Groundwater Nature

Groundwater samples exceeded screening levels for organochlorine pesticides, chlorinated herbicides, organophosphorous pesticides, and petroleum compounds (Table 2-6). Eight of ten groundwater samples collected exceeded screening levels for at least one COPC. Summaries of groundwater detections for constituents with groundwater or soil exceedances include:

#### Organochlorine Pesticides

- 4,4,-DDE was detected in 5 of 10 samples with a maximum concentration of 0.12 ug/L (exceedance ratio: 0.47), and average exceedance ratio of 0.12.
- 4,4,-DDT was detected in 7 of 10 samples with a maximum concentration of 0.12 ug/L (exceedance ratio: 0.47), and average exceedance ratio of 0.10.
- Aldrin was detected in 2 of 10 samples with a maximum concentration of 0.01 ug/L (exceedance ratio: 3.3), and average exceedance ratio of 0.52.
- Alpha-BHC was detected in 5 of 10 samples with a maximum concentration of 0.094 ug/L (exceedance ratio: 6.7), and average exceedance ratio of 1.4.
- Delta-BHC was detected in 2 of 10 samples with a maximum concentration of 0.25 ug/L (exceedance ratio: 50), and average exceedance ratio of 5.1.
- Dieldrin was detected in 8 of 10 samples with a maximum concentration of 0.26 ug/L (exceedance ratio: 52), and average exceedance ratio of 15.4.
- Gamma-BHC was detected in 5 of 10 samples with a maximum concentration of 1.1 ug/L (exceedance ratio: 5.5), and average exceedance ratio of 0.69.
- Toxaphene was detected in 3 of 10 samples with a maximum concentration of 22 ug/L (exceedance ratio: 275), and average exceedance ratio of 51.3.

#### Chlorinated Herbicides

- 2,4,5-T was detected in 2 of 10 samples with a maximum concentration of 0.66 ug/L (exceedance ratio: 33), and average exceedance ratio of 4.6.
- Dichloroprop was detected in 4 of 10 samples with a maximum concentration of 0.12 ug/L (exceedance ratio: 4.8), and average exceedance ratio of 1.6.



- Dinoseb was detected in 7 of 10 samples with a maximum concentration of 210 ug/L (exceedance ratio: 30), and average exceedance ratio of 4.8.
- MCPA was detected in 3 of 10 samples with a maximum concentration of 220 ug/L (exceedance ratio: 27.5), and average exceedance ratio of 4.1.
- MCPP was detected in 5 of 10 samples with a maximum concentration of 170 ug/L (exceedance ratio: 10.6), and average exceedance ratio of 2.4.

#### **Organophosphorous Pesticides**

- Demeton-S was detected in 1 of 10 samples with a maximum concentration of 1.4 ug/L (exceedance ratio: 2.2), and average exceedance ratio of 0.22.
- Disulfoton was detected in 3 of 10 samples with a maximum concentration of 3.1 ug/L (exceedance ratio: 4.8), and average exceedance ratio of 0.78.
- Merphos&Merphos-oxone was detected in 1 of 10 samples with a maximum concentration of 1.6 ug/L (exceedance ratio: 3.2), and average exceedance ratio of 0.32.

#### **Petroleum Compounds**

- Benzene was detected in 1 of 6 samples with a maximum concentration of 1.3 ug/L (exceedance ratio: 1.6) , and average exceedance ratio of 0.27.
- Diesel-range organics were detected in 2 of 9 samples with a maximum concentration of 0.67 mg/L (exceedance ratio: 1.3) , and average exceedance ratio of 0.26.

### **2.6.3.1 Comparison of Monitoring Well and Direct Push Results**

Differences in concentrations between direct push and monitoring well data do not suggest systematic differences in concentration due to turbidity. Detected concentrations in monitoring wells are generally higher than in direct push locations within the sandy silt. Key observations include:

- Toxaphene (Koc = 95,816 L/kg; solubility 0.74 mg/L) concentrations were approximately 1,000 times higher in monitoring wells (9.8 to 22 ug/L) than in direct push sampling locations (non-detect at up to 0.06 ug/L).
- DDT (Koc = 677,934 L/kg; solubility 0.03 mg/L) concentrations were approximately 5 times higher in monitoring wells (0.034 to 0.12 ug/L) than direct push sampling locations (non-detect up to 0.023 ug/L).
- Dieldrin (Koc = 25,546 L/kg; solubility 0.2 mg/L) concentrations were similar in monitoring wells (0.099 to 0.26 ug/L) and direct push sampling locations (0.008 up to 0.19 ug/L).

If differences between wells and direct push locations were due solely to differences in turbidity, then the differences in concentration would be higher for constituents with higher sorption coefficients (Koc). For example, turbidity control on groundwater detections would be expected to produce a greater bias in DDT than toxaphene based on the higher Koc for DDT. Instead, the opposite relationship is observed where toxaphene concentrations are higher than DDT concentrations.

## 2.6.4 Groundwater Extent

Groundwater exceeds screening levels in both the shallow sandy silt unit and, at lower concentrations, in the deeper sand and gravel aquifer. The upgradient and cross-gradient extents of groundwater contamination are assumed to be bounded by the upgradient extent of soil contamination. The upgradient extent is assumed bounded because there is no identified groundwater pathway to transport contaminants upgradient of known soil contamination (which is bounded). The downgradient extent is bounded by samples from the shallow sandy silt unit and sand and gravel aquifer collected at location SP-33 that were below all screening levels.

Groundwater concentrations and exceedance ratios were highest in the sandy silt with exceedance ratios of organochlorine pesticides up to 275 at SMW-1.

Concentrations are lower in the sand and gravel aquifer and the extent is also likely more restricted. All constituents were below screening levels at downgradient location SP-33-36-W. At location SP-32-36-W, only three constituents exceed the screening level.

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## 2.7 CONCEPTUAL MODEL

Historic storage, mixing, and aircraft operations at the site likely resulted in releases of pesticides and herbicides impacting both soil and groundwater. The majority of constituents were banned before 1986 and releases likely occurred at or before that time. Organophosphorous pesticides are still in use, and the release dates for these constituents are less constrained.

Releases at the surface likely occurred due to incidental spillage of mixed (liquid) and unmixed powders, or as runoff from aircraft spray down. Releases may have also occurred as a result of reported burial of pesticide containers at the site. Soil hotspots near the former pesticide spray shed are consistent with mixing at the shed. Contaminants may have been redistributed at the surface by surface water runoff, as observed in historic air photos (Appendix A, 1992 photo).

Percolation of water from on-site water use, aircraft wash down, and incidental spills transport pesticides downward to the water table where they impact groundwater. Below the water table, driven by the downward vertical gradient at the site, some pesticides migrated slowly downward through the sandy silt to the sand and gravel aquifer. Due to the low flux through the sandy silt, impacts to the sand and gravel aquifer appear to be limited. Groundwater impacts do not appear to extend downgradient of the property line and a groundwater receptor pathway does not appear to be complete. All contaminants slowly degraded over time and this degradation continues.

COPC concentrations will attenuate over time as a result of natural processes including degradation, dilution, and volatilization. Pesticide and herbicide degradation rates measured as half-lives are likely on the order of 10-20 years (Section 2.8.3). With exceedance ratios well over 100 for some constituents, it is expected to take more than 90 years for natural attenuation processes to reduce contaminant concentrations to near screening levels (or cleanup levels, when defined). Dilution and volatilization are not expected to be

significant components of natural attenuation processes due to the low vapor pressure and solubility of the COPCs.

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## 2.8 FATE AND TRANSPORT

This section discusses the fate and transport of contaminants in the vadose zone, in the dissolved phase in groundwater, and in the vapor phase.

### 2.8.1 Surface

Contaminants may be transported by surface runoff in either the dissolved phase or as part of the transported sediment. Historic air photos show surface runoff within the study area (Appendix A). Surface runoff appears to infiltrate prior to leaving the airport site and does not appear to be a complete transport pathway to surface water. The nearest surface water is the irrigation drain along Edison Road (Figure 1-1 and 1-2).

### 2.8.2 Vadose Zone

Contaminant transport in the vadose zone primarily occurs through soil mixing, and water percolating through the vadose zone and leaching contaminants. At this site, soil mixing occurs through site regrading, excavation, and other surficial reworking. Excavation and backfilling at the site is indicated by the presence of buried metal debris at the site, which may include pesticide containers (Bauerle, personal communication, 2014). The extent of historic site excavation and backfilling is poorly constrained by available records.

Downward contaminant migration rates in soil will vary depending on percolation and the distribution coefficients and retardation factors of the individual contaminants. The low precipitation rates and strong evaporation rates in the area do not contribute to significant natural recharge outside of irrigated areas (Vaccaro et al., 2009). Aerial photographs indicate local surface runoff from on-site water use that could also enhance recharge in wetted areas.

Detections of 4-4 DDE, a degradation product of 4-4 DDT, indicate that biodegradation processes are active in the vadose zone. Degradation rates for pesticides in soil have typically been studied in shallow soil agricultural environments, or in laboratory bench studies. Those studies have found that the degradation rate is dependent on the oxidation environment (aerobic/oxidizing vs. anaerobic/reducing conditions). All classes of pesticides and herbicides have faster reported degradation rates under anaerobic conditions.

Studies of organochlorine pesticides such as toxaphene and DDT have found degradation half-lives on the order of 10 to 15 years in aerobic environments and rates as fast as 6 weeks in anaerobic environments (FAO, 2000; EPA, 2005). Degradation rates for chlorinated herbicides for tilled soils are reported on the order of months, and organophosphorous pesticide degradation half-lives may be as fast as days. However, the tilled conditions are likely to have higher degradation rates that are not representative of the deeper aquifer conditions. Degradation rates measured in years to decades appear most representative of the Sunnyside airport site conditions. Quantitative comparisons of degradation rates with soil depth were not available in the literature.

The probability of a contaminants reaching groundwater increases with aqueous solubility and longer degradation half-lives, which lead to either more rapid transport through the vadose zone or allow more time for transport through the vadose zone, respectively. Use of organochlorine pesticides such as 4-4 DDT and toxaphene stopped in the 1970s and 1980s, and may have begun as early as the 1940s. Therefore, these compounds have had a between 30 and 70 years to degrade and migrate through the vadose zone to the water table. Complete penetration of the vadose zone in at least some areas of the site is indicated by impacts to groundwater.

### 2.8.3 Groundwater

Groundwater appears to be impacted at concentrations above screening levels throughout, but not beyond, the lateral extent of soil contamination. Thus vertical migration in the vadose zone is indicated, but lateral migration in the saturated zone is very limited. Factors controlling migration above and below the water table are the same, but water typically moves much more slowly below the water table. Note that analysis of soil samples typically registers both sorbed and dissolved contaminants; whereas groundwater samples only register dissolved concentrations (except to the extent that turbidity is a problem).

Most contaminants above and below the water table move at velocities less than the water velocity due to sorption. As particles migrate through pore spaces, they adhere to soil particles, thus retarding their movement relative to water flow. This effect is quantified as the retardation factor (R), where R=1 indicates migration equal to water velocity and R=2 would indicate contaminant transport at half the water velocity. R-factors are calculated based on the soil organic carbon-water partitioning coefficient (Koc) and fraction organic carbon in the soil. Example R-factors for pesticide chemical groups in a soil with 0.1%<sup>4</sup> organic carbon include:

Organochlorine pesticides:

- DDT: 5,100
- Dieldrin: 193
- Toxaphene: 724

Chlorinated herbicides:

- 2,4,5-T: 37
- Silvex: 14.8
- 2,4,-D: 4.1
- Pentachlorophenol: 5.5

Organophosphorous pesticides:

- Dimethoate: 1.1;
- Chlorpyrifos: 3.2;
- Ethyl parathion: 25

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<sup>4</sup> 0.1% (0.001 g/g) is the default value for soil organic carbon (foc) in Ecology guidance documents and in equations used in WAC 173-340-747 (MTCA). R-factor values scale linearly with soil organic carbon content.

R-factors indicate that chlorinated herbicides and organophosphorous pesticides are more mobile in groundwater than the organochlorine pesticides. Assuming a groundwater velocity of 2 feet per year and the example R-values listed above, an organochlorine pesticide would be calculated to take between 300 and 2,500 years to migrate 1 foot, while an organophosphorous pesticide would only take between 6 months and 12 years.

Pesticides and herbicides are considered persistent organic pollutants and commonly have groundwater degradation half-lives between 5 and 15 years (FAO, 2000). Biodegradation is the most common degradation mechanism; hydrolysis and pyrolysis are not significant degradation mechanisms. Biodegradation is most effective in anaerobic (low oxygen) environments, similar to degradation of chlorinated ethenes. Field measurements of oxidation-reduction potential in groundwater from the sandy silt range from 130 to 185 mV and indicate moderately aerobic conditions. Aerobic conditions suggest that biodegradation rates will be at the slow end of the literature range, and therefore likely on the order of 15 years for most COCs. At a half-life of 15 years, a constituent with an exceedance ratio of 120 would take approximately 100 years to reach the screening level (exceedance ratio of 1).

#### 2.8.4 Vapor

Vapor transport is not expected to be a significant transport mechanism due to the low volatility of organochlorine pesticides, chlorinated herbicides, and organophosphorous pesticides. Vapor pressures for organochlorine pesticides and chlorinated herbicides are reported to be in the range of  $10^{-2}$  to  $10^{-5}$  Pa (Site, 1997).

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## 2.9 DATA GAPS

This section describes data gaps that may need to be filled in with regard to the nature and extent of contamination, and fate and transport.

- Sorbed pesticide concentrations below the water table within the sandy silt are not well constrained. Groundwater data indicate impacts in this interval; however, there are few samples to document the vertical extent. Depending on the selected remedial alternative, this data gap may not need to be filled.
- A grate/drain is present in the paved area at the current spray mixing area. It appears to have been installed concurrent with the 2010 construction of the metal building and paved working area for the current spray operator. The paved area is sloped to collect water at the grate. The subsurface plumbing of this feature is not known, but could affect groundwater recharge.
- Upgradient groundwater concentrations are likely below screening levels or non-detect, but this has not been confirmed.
- Concentrations of contaminants below the 2010 metal building are not known. Depending on the selected remedial alternative, this data gap may not need to be filled.

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## Table 2-1. Water Level Elevations

Sunnyside Municipal Airport Remedial Investigation, Sunnyside, Washington

Location	SMW-1		SMW-2		SMW-3		SP-32-36		Culvert		Weir		Ground water Flow Direction	Gradient
	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.		
MP Elevation (ft)	756.24		756.18		755.17		759.68		750.02		741.35			
Northing (ft)	362439.4		362363.6		362349.9				361878.5		361878.2			
Easting (ft)	1773960.4		1773964.0		1773867.7				1772671.0		1774638.9			
Ecology ID	BIE-972		BIE-967		BIE-974				--		--			
K (high)(ft/day; cm/s)	0.16	5.6E-05	0.36	1.3E-04	--		--		--		--			
K (low)(ft/day; cm/s)	0.13	4.6E-05	0.13	4.6E-05	--		--		--		--			
	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	DTW	WL Elev.	Degrees	ft/ft
3/31/2014	10.56	745.68	10.95	745.23	10.26	744.91	--	--	--	--	--	--	202.1	0.0
5/9/2014	9.85	746.39	10.24	745.94	9.66	745.51	--	--	4.5	745.5	2.78	738.57	210.50	0.007
6/25/2014	9.49	746.75	9.85	746.33	9.22	745.95	14.19	745.49						

### Notes:

Elevations are reported in North American Vertical Datum 1988 (NAVD 88)

Northing and Easting are reported in US State Plane 1983, NAD 83, Geoid 12A, Zone Washington South 4602.

MP: Measuring Point

DTW: Measured depth to water

WL: Water level elevation; potentiometric surface elevation.

MP elevation at SP-32-36 measured in field using level to measure from top of PVC casing at adjacent SMW-3.

Vertical gradient measured between SMW-3 and SP-32-26 is approximately 0.023 ft/ft with a separation of 20 feet.

K-values measured from hydraulic slug tests conducted in monitoring wells screened in the sandy silt unit (Appendix B)



**Table 2-2. Groundwater Screening Levels**

Sunnyside Municipal Airport Remedial Investigation, Sunnyside, Washington

Constituent	CAS Registry No	Groundwater Screening Level (ug/L) <sup>2</sup>	Practical Quantitation Limit (PQL) (ug/L)	Groundwater - Federal and MTCA Standard Table Values						Screening Level Basis
				ARAR - Federal Maximum Contaminant Level Goal (MCLG) (ug/L)	ARAR - Federal Primary Maximum Contaminant Level (MCL) (ug/L)	ARAR - State Primary Maximum Contaminant Level (MCL) (ug/L)	Method A, Table Value (ug/L)	Method B, Carcinogen, Standard Formula Value (ug/L)	Method B, Non-carcinogen, Standard Formula Value (ug/L)	
<b>Organochlorine Pesticides</b>										
Aldrin	309-00-2	0.003	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	0.003	0.24	ARAR
α-BHC	319-84-6	0.014	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	0.014	Not Researched	ARAR
β-BHC	319-85-7	0.049	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	0.049	Not Researched	ARAR
γ-BHC (Lindane)	58-89-9	0.2	0.005	0.2	0.2	0.2	0.2	Researched-ND	4.8	ARAR
δ-BHC	319-86-8	0.005	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	Not Researched	PQL
Chlordane	57-74-9	0.002	0.005	0	0.002	0.002	Researched-ND	0.25	8	ARAR
cis-Chlordane	5103-71-9	0.25	0.005	2	2	2	Researched-ND	0.25	8	ARAR
trans-Chlordane	5103-74-2	0.25	0.005	2	2	2	Researched-ND	0.25	8	ARAR
4,4'-DDD	72-54-8	0.365	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	0.36	Not Researched	ARAR
4,4'-DDE	72-55-9	0.257	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	0.26	Not Researched	ARAR
4,4'-DDT	50-29-3	0.257	0.005	Not Researched	Not Researched	Not Researched	0.3	0.26	8	ARAR
Dieldrin	60-57-1	0.005	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	0.01	0.8	ARAR
Endosulfan I <sup>1</sup>	959-98-8	96	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	96	ARAR
Endosulfan II <sup>1</sup>	33213-65-9	96	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	96	ARAR
Endosulfan sulfate	1031-07-8	96	0.005	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	96	ARAR
Endrin <sup>1</sup>	72-20-8	2	0.005	2	2	2	Researched-ND	Not Researched	4.8	ARAR
Endrin aldehyde <sup>1</sup>	7421-93-4	2	0.005	2	2	2	Researched-ND	Not Researched	4.8	ARAR
Endrin ketone <sup>1</sup>	53494-70-5	2	0.02	2	2	2	Researched-ND	Not Researched	4.8	ARAR
Heptachlor	76-44-8	0.019	0.005	0	0.4	0.4	Researched-ND	0.02	8	ARAR
Heptachlor epoxide	1024-57-3	0.005	0.005	0	0.2	0.2	Researched-ND	0.00	0.104	ARAR
Hexachlorobenzene	118-74-1	0.055	0.005	0	1	1	Researched-ND	0.05	12.8	ARAR
Methoxychlor	72-43-5	40	0.01	40	40	40	Researched-ND	Not Researched	80	ARAR
Toxaphene	8001-35-2	0.080	0.05	0	3	3	Researched-ND	0.08	Not Researched	ARAR
Hexachlorobutadiene	87-68-3	0.56	0.01	Not Researched	Not Researched	Not Researched	Researched-ND	0.56	8	ARAR
<b>Herbicides</b>										
2,4-D	94-75-7	70	0.024	70	70	70	Researched-ND	Not Researched	160	ARAR
2,4-DB	94-82-6	128	0.047	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	128	ARAR
2,4,5-TP (Silvex)	93-72-1	50	0.024	50	50	50	Researched-ND	Researched-ND	Researched-ND	ARAR
2,4,5-T	93-76-5	0.02	0.024	Not Researched	Not Researched	Not Researched	Researched-ND	Researched-ND	Researched-ND	PQL
Dalapon	75-99-0	200	0.23	200	200	200	Researched-ND	Not Researched	240	ARAR
Dicamba	1918-00-9	480	0.024	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	480	ARAR
Dichloroprop	120-36-5	0.024	0.024	--	--	--	--	--	--	PQL
Dinoseb	88-85-7	7	0.024	7	7	7	Researched-ND	Researched-ND	Researched-ND	ARAR
MCPA	94-74-6	8	4.7	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	8	ARAR
MCPP (Mecoprop)	93-65-2	16	4.7	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	16	ARAR
Pentachlorophenol	87-86-5	0.219	0.0095	0	1	1	Researched-ND	0.219	80	ARAR
<b>Organophosphorus Pesticides</b>										
Chlorpyrifos	2921-88-2	48	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	48	ARAR
Diazinon	333-41-5	0.2	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	Researched-ND	PQL
Dimethoate	60-51-5	3.2	0.5	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	3.2	ARAR
Disulfoton	298-04-4	0.64	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	0.64	ARAR
Malathion	121-75-5	320	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	320	ARAR
Parathion, ethyl	56-38-2	96	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	96	ARAR
Parathion, methyl	298-00-0	4	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	4	ARAR
Phorate	298-02-2	3.2	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	3.2	ARAR
Sulfotepp	3689-24-5	8	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	8	ARAR
Azinphos-methyl/Guthion	86-50-0	0.5	0.5	NCE	NCE	NCE	NCE	NCE	NCE	PQL

**Table 2-2. Groundwater Screening Levels**

Sunnyside Municipal Airport Remedial Investigation, Sunnyside, Washington

Constituent	CAS Registry No	Groundwater Screening Level (ug/L) <sup>2</sup>	Practical Quantitation Limit (PQL) (ug/L)	Groundwater - Federal and MTCA Standard Table Values						Screening Level Basis
				ARAR - Federal Maximum Contaminant Level Goal (MCLG) (ug/L)	ARAR - Federal Primary Maximum Contaminant Level (MCL) (ug/L)	ARAR - State Primary Maximum Contaminant Level (MCL) (ug/L)	Method A, Table Value (ug/L)	Method B, Carcinogen, Standard Formula Value (ug/L)	Method B, Non-carcinogen, Standard Formula Value (ug/L)	
Bolstar/Sulprofos	35400-43-2	0.2	0.2	NCE	NCE	NCE	NCE	NCE	NCE	PQL
Coumaphos	56-72-4	0.2	0.2	NCE	NCE	NCE	NCE	NCE	NCE	PQL
Demeton-S	8065-48-3	0.64	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	0.64	ARAR
Dichlorvos(DDVP)	62-73-7	0.151	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	0.151	4	ARAR
EPN	2104-64-5	0.16	0.2	NCE	NCE	NCE	NCE	NCE	0.16	PQL
Ethoprophos	13194-48-4	0.2	0.2	NCE	NCE	NCE	NCE	NCE	NCE	PQL
Fenchlorphos/Ronnel	299-84-3	800	0.2	Not Researched	Not Researched	Not Researched	Not Researched	Not Researched	800	ARAR
Fensulfothion	115-90-2	0.5	0.5	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	Researched-ND	PQL
Fenthion	55-38-9	0.2	0.2	NCE	NCE	NCE	NCE	NCE	NCE	PQL
Merphos&Merphos-oxone	150-50-5	0.5	0.5	Not Researched	Not Researched	Not Researched	Researched-ND	Researched-ND	Researched-ND	PQL
Mevinphos/Phosdrin	7796-34-7	0.2	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	Researched-ND	PQL
Monocrotophos	6923-22-4	0.5	0.5	NCE	NCE	NCE	NCE	NCE	NCE	PQL
Naled	300-76-5	32	0.5	Not Researched	Not Researched	Not Researched	Researched-ND	Not Researched	32	ARAR
Stirofos/Tetrachlorvinphos	961-11-5	3.6	0.2	Not Researched	Not Researched	Not Researched	Researched-ND	3.6	480	ARAR
Tokuthion/Prothiofos	34643-46-4	0.2	0.2	NCE	NCE	NCE	NCE	NCE	NCE	PQL
Trichloronate	327-98-0	0.2	0.2	NCE	NCE	NCE	NCE	NCE	NCE	PQL
<b>Petroleum Compounds</b>										
TPH-Dx	--	500	100	Not Researched	Not Researched	Not Researched	500	Not Researched	2000	ARAR
Benzene	71-43-2	0.8	0.2	--	10	10	5	0.8	32	ARAR
Toluene	108-88-3	640	1	1000	1000	1000	1000	Not Researched	640	ARAR
Ethylbenzene	100-41-4	6	0.2	700	700	700	700	Not Researched	6	ARAR
Xylenes	1330-20-7	9	0.4	10000	10000	10000	1000	Not Researched	9	ARAR
Naphthalene	91-20-3	160	1	Not Researched	Not Researched	Not Researched	160	Not Researched	160	ARAR

ARAR: Applicable or Relevant and Appropriate Requirement; includes both federal and state standard formula values when referenced in Screening Level Basis column.

Researched-ND means research has been conducted and no data exists in the database for this parameter.

Not Researched means research has not been conducted and no value exists in the database for this parameter.

<sup>2</sup> For certain Organochlorine Pesticide constituents, the most stringent cleanup level established is the ARAR MCLG (0 ug/L); these constituents will use the MTCA Method B table value.

<sup>1</sup> Groundwater and Soil screening levels established for parent chemical Endosulfan CAS No 115-29-7; which is related to Endosulfan I (alpha) CAS No 959-98-8, Endosulfan II (beta) CAS No 33213-65-9, and Endosulfan sulfate CAS No 1031-07-8. Screening levels established for Endrin CAS No 72-20-8, which is related to degradation products Endrin aldehyde CAS No 7421-93-4 and Endrin ketone CAS No 53494-70-5.

Most stringent cleanup level selected; MTCA Method C levels not considered because the site is not an industrial property

Screening Level Basis Includes:

ARAR values are the most stringent of applicable standard table values.

PQL is the practical quantitation limit and is used as the Screening Level basis where ARAR and toxicology values are not available.

Reported PQLs are the standard laboratory PQL for pesticide and herbicide analyses conducted by OnSite Environmental, Redmond, Washington.

NCE indicates that the constituent is not included in CLARC databases.



**Table 2-3. Soil Screening Levels**

Sunnyside Municipal Airport Remedial Investigation, Sunnyside, Washington

Constituent	CAS Registry No	Soil Screening Level <sup>2</sup>			Soil - MTCA Standard Table Values				Soil Protective of Groundwater Calculations <sup>3</sup>						
		(ug/kg)	(mg/kg)	Practical Quantitation Limit (PQL) (ug/kg)	Method A, Unrestricted Land Use, Table Value (mg/kg)	Method A, Industrial Land Use, Table Value (mg/kg)	Method B, Carcinogen, Standard Formula Value, Direct Contact (ingestion only), unrestricted land use (mg/kg)	Method B, Non-carcinogen, Standard Formula Value, Direct Contact (ingestion only), unrestricted land use (mg/kg)	Groundwater SL (ug/L) (see Table 3)	Henry Law Coefficient (unitless)	log Koc (log L/kg) <sup>4</sup>	Koc (L/kg)	Distribution Coefficient (L/kg)	Soil Protective of Groundwater (mg/kg)	Soil Protective of Groundwater (ug/kg)
Malathion	121-75-5	2522	2.52	20	Researched-No Data	Researched-No Data	Not Researched	1600	320	9.98E-07	2.29	194	0.19	2.52	2522
Merphos&Merphos-oxone	150-50-5	2205	2.21	60	Researched-No Data	Researched-No Data	Not Researched	2.4	0.50	1.26E+00	5.34	220213	220	2.21	2205
Mevinphos/Phosdrin	7786-34-7	25	0.025	25	Researched-No Data	Researched-No Data	Not Researched	Researched-No Data	0.20	3.28E-09	-0.90	0.13	0.00013	0.00	0.8
Monocrotophos	6923-22-4	60	0.060	60	NCE	NCE	NCE	NCE	0.50	3.25E-11	1.28	19	0.02	0.00	2.2
Naled	300-76-5	213	0.21	25	Researched-No Data	Researched-No Data	Not Researched	160	32	2.71E-03	2.12	133	0.13	0.21	213
Parathion, ethyl	56-38-2	10716	10.72	20	Researched-No Data	Researched-No Data	Not Researched	480	96	2.37E-05	3.73	5381	5.38	10.72	10716
Parathion, methyl	298-00-0	447	0.45	20	Researched-No Data	Researched-No Data	Not Researched	20	4.0	2.37E-05	3.73	5381	5.38	0.45	447
Phorate	298-02-2	162	0.16	20	Researched-No Data	Researched-No Data	Not Researched	16	3.2	4.99E-04	3.37	2326	2.33	0.16	162
Stirofos/Tetrachlorvinphos	961-11-5	4210	4.21	25	Researched-No Data	Researched-No Data	41.67	2400	3.6	7.84E-08	4.76	57544	57.54	4.21	4210
Sulfotepp	3689-24-5	1561	1.56	20	Researched-No Data	Researched-No Data	Not Researched	40	8.0	1.75E-04	3.98	9559	9.56	1.56	1561
Tokuthion/Prothiofos	34643-46-4	98189	98.19	25	NCE	NCE	NCE	NCE	0.2	5.72E-03	7.39	24547089	24547.09	98.19	98189
Trichloronate	327-98-0	169	0.17	25	NCE	NCE	NCE	NCE	0.2	4.82E-04	4.62	42098	42.10	0.17	169
<b>Petroleum Compounds</b>															
TPH-Dx	-	2000000	2000	50	2000	2000	Not Researched	Not Researched	500	Not Researched	Researched	Not Researched	-	-	-
Benzene	71-43-2	4.5	0.0045	1.5	0.03	0.03	18.2	320	0.80	2.28E-01		62	0.06	0.0045	4.5
Toluene	108-88-3	4654	4.65	7.5	7	7	Not Researched	6400	640	2.72E-01		140	0.14	4.65	4654
Ethylbenzene	100-41-4	52	0.05	1.5	6	6	Not Researched	8000	6.0	3.23E-01		204	0.20	0.052	52
Xylenes	1330-20-7	82	0.08	3	9	9	Not Researched	16000	9.0	2.79E-01		233	0.23	0.082	82
Naphthalene	91-20-3	4457	4.46	1.5	5	5	Not Researched	1600	160	1.98E-02		1191	1.19	4.46	4457

Not Researched means research has not been conducted and no value exists in the Clarc database for this parameter

<sup>1</sup> Groundwater and Soil screening levels established for parent chemical Endosulfan CAS No 115-29-7; which is related to Endosulfan I (alpha) CAS No 959-98-8, Endosulfan II (beta) CAS No 33213-65-9, and Endosulfan sulfate CAS No 1031-07-8. Screening levels established for Endrin CAS No 72-20-8, which is related to degradation products Endrin aldehyde CAS No 7421-93-4 and Endrin ketone CAS No 53494-70-5.

<sup>2</sup> Soil screening level based on the most stringent value from comparison of: standard table values based on direct contact; and soil protective of leaching to groundwater pathway calculated value.

<sup>3</sup> Soil concentrations protective of the soil leaching to groundwater pathway calculated using WAC 173-340 Equation 747-1 and default input values for: fraction organic carbon (0.001); dilution factor (20); air filled porosity (0.13); water filled porosity (0.3); dry soil bulk density (1.5 g/cc). Distribution coefficient (Kd) calculated from octanol-water partition coefficients (Koc) obtained from Clarc or literature sources (see note 2). Henry's law values obtained from Clarc or literature sources (see note 2)

<sup>4</sup> Values from literature reported Koc with units of log mg/L; values not available from Clarc database; corresponding Henry's Law coefficients also from literature; values downloaded from: <http://www.gsi-net.com/en/publications/gsi-chemical-database/>. Note: same Koc and Hcc values used for methyl- and ethyl-parathion.

Reported PQLs are the standard laboratory PQL for pesticide and herbicide analyses conducted by OnSite Environmental, Redmond, Washington.

Henry's Law coefficients reported in scientific notation where E indicated 10 raised to the power to the right (1E-3 is the same as 0.001).

NCE indicates that the constituent is not included in CLARC databases.

**Table 2-4. Summary of Analyses and Maximum Exceedance Ratios**  
 Sunnyside Municipal Airport Remedial Investigation, Sunnyside, Washington

Sample ID	Top ft	Bottom ft	Petroleum	Organochlorine	Chlorinated	Organophosphorous
			Compounds	Pesticides	Herbicides	Pesticides
				EPA Method 8081	EPA Method 8151	EPA Method 8270
<b>Soil Samples (Table 2-4)</b>						
SP-1-18-S	1.5	2	0	63.9	0.16	0
SP-1-40-S	5.5	6	--	461.7	0.03	0
SP-2-18-S	1.5	2	0	2.2	0.08	0
SP-2-40-S	5	5.5	--	0.85	0.13	0
SP-3-18-S	1.5	2	0.66	4.6	0	0
SP-3-40-S	5.5	6	--	0	0	0
SP-4-18-S	1.5	2	--	0	0	0
SP-4-40-S	5.5	6	--	0	0	0
SP-5-18-S	1.5	2	0.20	130.9	0	4.6
SP-5-40-S	5.5	6	--	281.5	0	2.0
SP-6-18-S	1.5	2	0	0.03	2.2	0
SP-6-40-S	5.5	6	--	0	0	0
SP-7-18-S	3.5	4	--	0	0	0
SP-7-30-S	2.5	3	--	7.5	0	0
SP-7-40-S	6	6.5	--	0	0	0
SP-8-18-S	1.5	2	--	11.8	0	0
SP-8-40-S	5.75	6.25	--	0	0	0
SP-8-144	11.5	12	--	--	--	--
SP-9-18-S	1.5	2	--	0.22	0	0
SP-9-40-S	5.5	6	--	--	--	--
SP-10-18-S	1.5	2	--	0.10	0	0
SP-10-40-S	5.75	6.25	--	--	--	--
SP-11-18-S	1.5	2	--	0.04	0	0
SP-11-40-S	6.25	6.75	--	--	--	--
SP-12-18-S	1.5	2	--	0	0	0
SP-12-40-S	6	6.5	--	0	0	0
SP-12-122-S	10	10.5	0.71	0	0	11.0
SP-12-144-S	12	12.5	0.60	0	0	0
SP-12-230-S	19	19.5	0	0	0.07	0
SP-13-18-S	1.5	2	--	2.4	0	0
SP-13-40-S	5.75	6.25	--	0	0	0
SP-14-18-S	1.5	2	--	0.04	0	0
SP-14-40-S	5.75	6.25	--	0	0	0
SP-15-18-S	1.5	2	--	0.01	0.11	0
SP-15-40-S	5.75	6.25	--	0.03	0.13	0
SP-16-12-S	11.5	12	--	0	0	0
SP-16-18-S	1.5	2	--	0	0	0
SP-16-40-S	5.5	6	--	0	0	0
SP-17-18-S	1.5	2	--	85.1	0	0
SP-17-40-S	5.5	6	--	0	0	0
SP-18-2-S	2	2.5	--	12.4	0.01	0
SP-18-6-S	6.75	7.5	--	0	0	0
SP-19-2-S	2	2.5	--	0	0	0
SP-19-5-S	6	6.5	--	0	0	0
SP-20-2-S	2	2.5	--	0.05	0	0
SP-20-6-S	6	6.5	--	0	0	0
SP-21-2-S	2	2.5	--	0	0	0
SP-21-6-S	6	6.5	--	0	0	0
SP-22-2-S	2	2.5	--	45.8	0	0.04
SP-22-5-S	4.75	5.25	--	0.11	0	0
SP-23-2-S	2	2.5	--	0	0	0
SP-23-6-S	5.75	6.25	--	0	0	0
SP-24-2-S	2	2.5	--	0	0	0
SP-24-5-S	4.8	5.3	--	0	0	0
SP-25-2-S	2	2.5	--	--	--	--
SP-25-5-S	5	5.5	--	--	--	--
SP-26-2-S	2	2.5	--	6.1	0	30.8
SP-26-5-S	5	5.5	--	0.04	0	253.8
SP-27-2-S	2	2.5	--	6.0	0	0
SP-27-6-S	6	6.5	--	0	0	0
SP-28-2-S	2	2.5	--	0	0	0
SP-29-2-S	2	2.5	--	0	0	0
SP-30-2-S	2	2.5	--	0.16	0	0
SP-30-5-S	4.8	5.2	--	0	0	0
SP-31-2-S	2	2.5	--	0	0	0
SP-31-5-S	4.8	5.2	--	0	0	0
SMW-1-S	7	7.5	--	0.01	0	0
SMW-2-S	6.75	7.25	--	0	13.2	1.2
SMA-S001-06	0.5	0.5	0	19.0	3.7	--
SMA-S001-12	1	1	0	85.1	1.9	--
SMA-S002-12	1	1	0	2.9	0.01	--
SMA-S003-16	1.3	1.3	0	47.8	0	--
SMA-S004-12	1	1	0.36	72.0	0.04	--
<b>Water Samples (Table 2-5)</b>						
SP-3-GW	8	18	0.19	14.4	3.6	0
SP-8-GW	11	21	0	1.7	0	0
SP-12-GW	11	21	1.6	4.6	13.0	2.2
SP-16-GW	10.5	20.5	0	38.0	33.0	4.8
SP-32-36-W	36	40	0	1.9	10.9	0.56
SP-33-20-W	10	20	0	0	0	0
SP-33-36-W	36	40	0	0	0.04	0
SMW-1	10	20	0	275.0	0.05	0.00
SMW-2	10	20	0	115.0	0.23	0
SMW-3	10	20	1.3	122.5	30.0	2.3

Bold exceedance ratios indicate values detected above screening levels (exceedance ratio greater than 1).  
 Values shown as a gray 0 indicated that no COCs were detected above reporting limits.  
 -- Indicates the sample was not analyzed for the constituent















**Table 2-5. Soil Analytical Results**

Sunnyside Municipal Airport Remedial Investigation, Sunny:

**Summary Statistics**

Constituent	Units	SL	Maximum Value	Median Detected Value	Average Value *	Maximum Exceedance Ratio	Average Exceedance Ratio	Number of Detections	Number of Exceedances
<b>Maximum Exceedance Ratio- All Data</b>									
<b>Organochlorine Pesticides (EPA Method 8081A)</b>									
<i>Maximum Exceedance Ratio</i>									
4,4'-DDD	ug/kg	335	200	63	13	0.60	0.04	9	0
4,4'-DDE	ug/kg	446	10,000	115	364	<b>22.4</b>	0.82	25	8
4,4'-DDT	ug/kg	2,941	42,000	175	1,109	<b>14.3</b>	0.38	25	6
Aldrin	ug/kg	2.52	0	--	0	0.00	0.00	0	0
alpha-BHC	ug/kg	0.55	0	--	0	0.00	0.00	0	0
alpha-Chlordane	ug/kg	2,857	15	15	0	0.01	0.00	1	0
beta-BHC	ug/kg	2.27	0	--	0	0.00	0.00	0	0
delta-BHC	ug/kg	1.02	0	--	0	0.00	0.00	0	0
Dieldrin	ug/kg	2.82	1,300	30	28	<b>462</b>	<b>9.8</b>	11	11
Endosulfan I	ug/kg	304,683	300	25	8	0.00	0.00	7	0
Endosulfan II	ug/kg	304,683	190	99	14	0.00	0.00	11	0
Endosulfan Sulfate	ug/kg	480,000	320	111	11	0.00	0.00	6	0
Endrin	ug/kg	440	240	86	9	0.54	0.02	6	0
Endrin Aldehyde	ug/kg	24,000	270	59	11	0.01	0.00	8	0
Endrin Ketone	ug/kg	8,560	410	47	11	0.05	0.00	8	0
gamma-BHC	ug/kg	6.21	11	6	0	<b>1.8</b>	0.07	5	2
gamma-Chlordane	ug/kg	2,857	37	35	1	0.01	0.00	3	0
Heptachlor	ug/kg	3.78	0	--	0	0.00	0.00	0	0
Heptachlor Epoxide	ug/kg	8.02	23	11	1	<b>2.9</b>	0.14	6	4
Methoxychlor	ug/kg	64,160	710	57	21	0.01	0.00	8	0
Toxaphene	ug/kg	153	43,000	1,750	1,863	<b>282</b>	<b>12.2</b>	20	17
<b>Chlorinated Herbicides (EPA Method 8151A)</b>									
<i>Maximum Exceedance Ratio</i>									
2,4,5-T	ug/kg	0.97	0	--	--	0.00	0.00	0	0
2,4,5-TP (Silvex)	ug/kg	4,979	0	--	--	0.00	0.00	0	0
2,4-D	ug/kg	860	31	--	--	0.04	0.00	4	0
2,4-DB	ug/kg	16,179	0	--	--	0.00	0.00	0	0
Dalapon	ug/kg	959	0	--	--	0.00	0.00	1	0
Dicamba	ug/kg	3,258	0	--	--	0.00	0.00	0	0
Dichlorprop	ug/kg	0.98	0	--	--	0.00	0.00	0	0
Dinoseb	ug/kg	688	9,100	74	141	<b>13.2</b>	0.21	9	1
MCPA	ug/kg	424	0	--	--	0.00	0.00	0	0
MCPP	ug/kg	498	1,100	1,100	16	<b>2.2</b>	0.03	1	1
Pentachlorophenol	ug/kg	3.47	13	--	--	<b>3.7</b>	0.00	2	2
<b>Organophosphorous Pesticides (EPA Method 8270D-SI)</b>									
<i>Maximum Exceedance Ratio</i>									
Azinphos-methyl/Guthion	mg/kg	0.005	0.02	0.02	0.0004	<b>4.6</b>	0.07	1	1
Bolstar/Sulprofos	mg/kg	10.28	0.00	--	--	0.00	0.00	0	0
Chlorpyrifos/Dursban	mg/kg	43.89	0.00	--	--	0.00	0.00	0	0
Coumaphos	mg/kg	0.06	0.00	--	--	0.00	0.00	0	0
Demeton-S	mg/kg	3.2	0.00	--	--	0.00	0.00	0	0
Diazinon	mg/kg	0.03	0.00	--	--	0.00	0.00	0	0
Dichlorvos(DDVP)	mg/kg	3.45	0.00	--	--	0.00	0.00	0	0
Dimethoate	mg/kg	0.013	3.30	1.85	0.0587	<b>254</b>	<b>4.5</b>	2	2
Disulfoton	mg/kg	0.095	0.11	0.07	0.0022	<b>1.2</b>	0.02	2	1
EPN	mg/kg	0.024	0.03	0.03	0.0004	<b>1.0</b>	0.02	1	1
Ethoprophos	mg/kg	0.01	0.11	0.11	0.002	<b>11.0</b>	0.17	1	1
Fenchlorphos/Ronnel	mg/kg	4,000	0.00	--	--	0.00	0.00	0	0
Fensulfthion	mg/kg	0.06	0.12	0.10	0.003	<b>2.0</b>	0.05	2	2
Fenthion	mg/kg	0.025	0.00	--	--	0.00	0.00	0	0
Malathion	mg/kg	2.52	0.00	--	--	0.00	0.00	0	0
Merphos&Merphos-oxone	mg/kg	2.21	0.09	--	--	0.04	0.00	1	0
Mevinphos/Phosdrin	mg/kg	0.025	0.00	--	--	0.00	0.00	0	0
Monocrotophos	mg/kg	0.06	0.00	--	--	0.00	0.00	0	0
Naled	mg/kg	160	0.00	--	--	0.00	0.00	0	0
Parathion-ethyl	mg/kg	10.72	0.00	--	--	0.00	0.00	0	0
Parathion-methyl	mg/kg	0.45	0.00	--	--	0.00	0.00	0	0
Phorate	mg/kg	1.62	0.00	--	--	0.00	0.00	0	0
Stirofos/Tetrachlorvinphos	mg/kg	41.7	0.00	--	--	0.00	0.00	0	0
Sulfotepp	mg/kg	1.56	0.00	--	--	0.00	0.00	0	0
Tokuthion/Prothiofos	mg/kg	98.19	0.00	--	--	0.00	0.00	0	0
Trichloronate	mg/kg	0.17	0.00	--	--	0.00	0.00	0	0
<b>Petroleum Compounds (NWTPH and EPA Method 8260)</b>									
<i>Maximum Exceedance Ratio</i>									
Benzene	mg/kg	0.0045	0.003	0.003	0.001	0.71	0.16	2	0
Toluene	mg/kg	0.052	0.034	0.034	0.004	0.66	0.08	1	0
Ethylbenzene	mg/kg	0.082	0.003	0.002	0.001	0.04	0.01	2	0
m,p-Xylene	mg/kg	4.46	0.039	0.022	0.005	0.01	0.00	2	0
o-Xylene	mg/kg	0.082	0.037	0.019	0.005	0.45	0.06	2	0
Naphthalene	mg/kg	4.65	0.160	0.101	0.025	0.03	0.01	2	0
Diesel Range Organics	mg/kg	2,000	220	157	24	0.11	0.01	2	0
Lube Oil Range Organics	mg/kg	2,000	710	555	85	0.36	0.04	2	0

**Notes:**

Values in gray are non-detect

Values in bold exceed the screening level

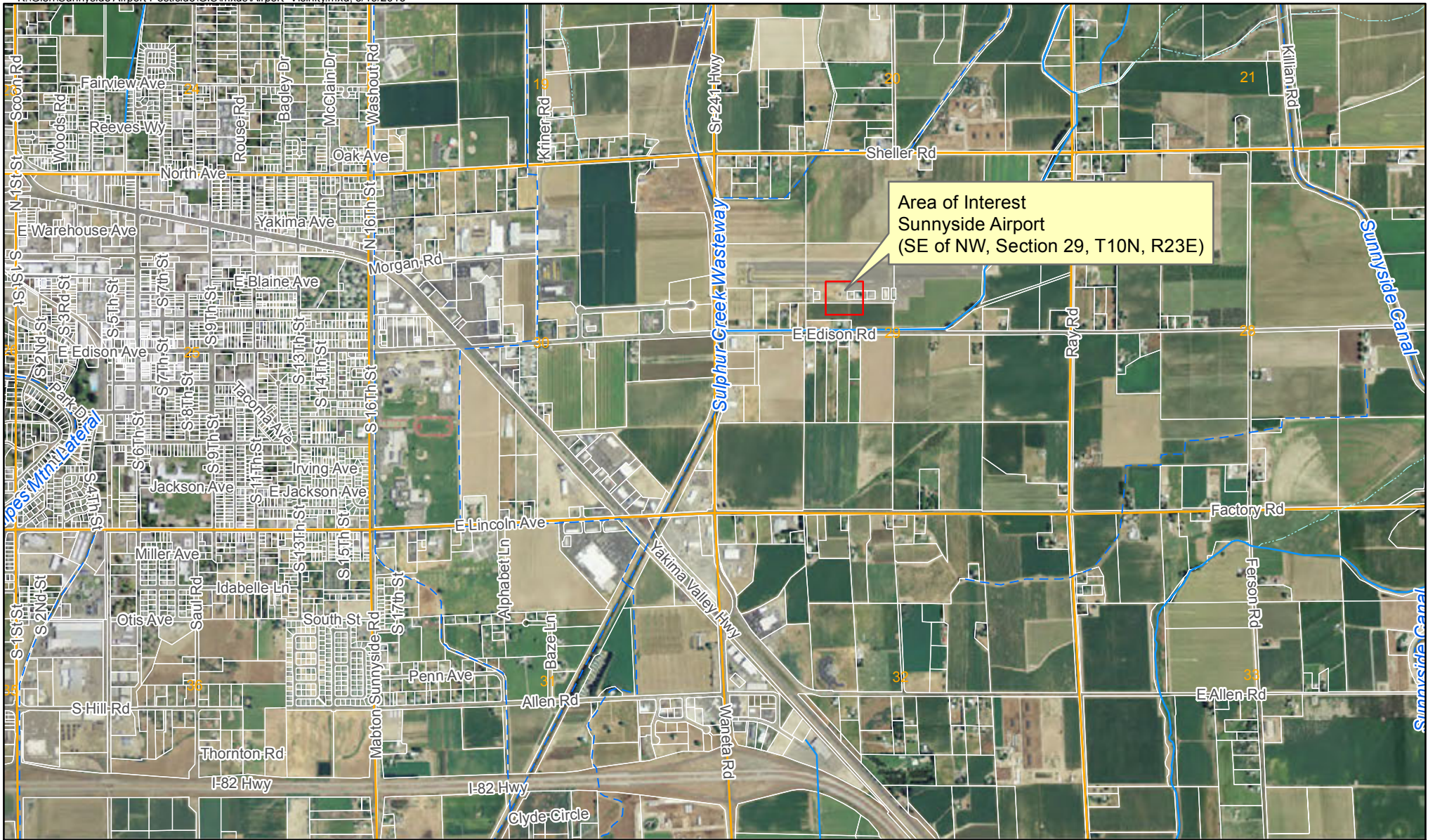
The exceedance ratio is the detected value divided by the screening level.

-- indicates a value is not available, or is not appropriate due to formula reference to a screening level that is not available or a constituent that has not been detected.

\* Average calculated with non-detect values at zero.







Area of Interest  
Sunnyside Airport  
(SE of NW, Section 29, T10N, R23E)

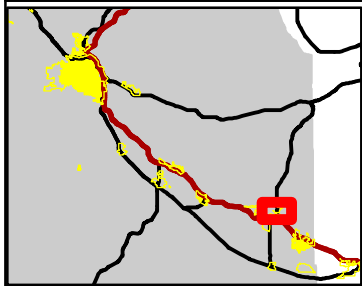


Figure 1-1  
Site Location Map

0 Feet 2,000

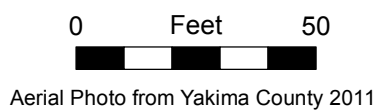




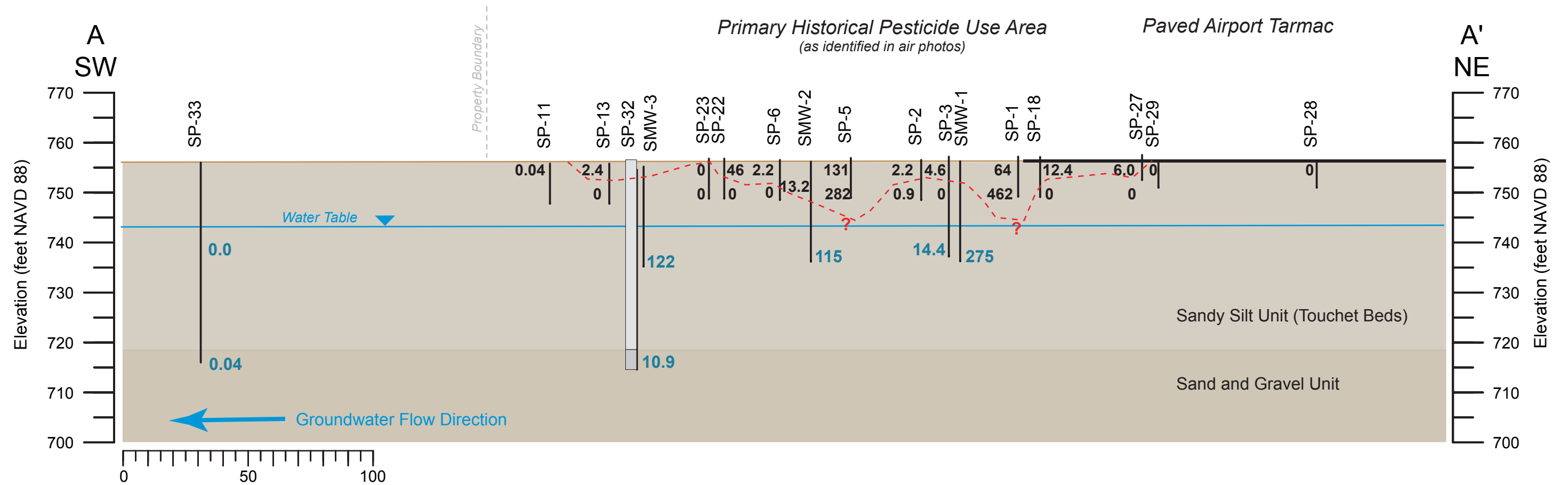
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 1-2  
Soil and Groundwater  
Sample Locations

- Monitoring Well
- Direct Push Location
- Ecology Sample Locations
- Airport Parcels
- Former Pesticide Spray Shed
- Existing & Historic Building Outlines
- Anomaly Outline
- Debris Observed During Construction







2x vertical exaggeration  
Section location shown on Figure 1-2

**13.2** Maximum soil exceedance ratio in sample (Table 2-4)

**10.9** Maximum groundwater exceedance ratio in sample (Table 2-4)

**?** Extent of documented exceedances of soil screening levels; queried where uncertain

SP-11  
0.04

Boring location and extent, with boring ID and exceedance ratio at sample location








Figure 2-1  
Geologic Cross Section

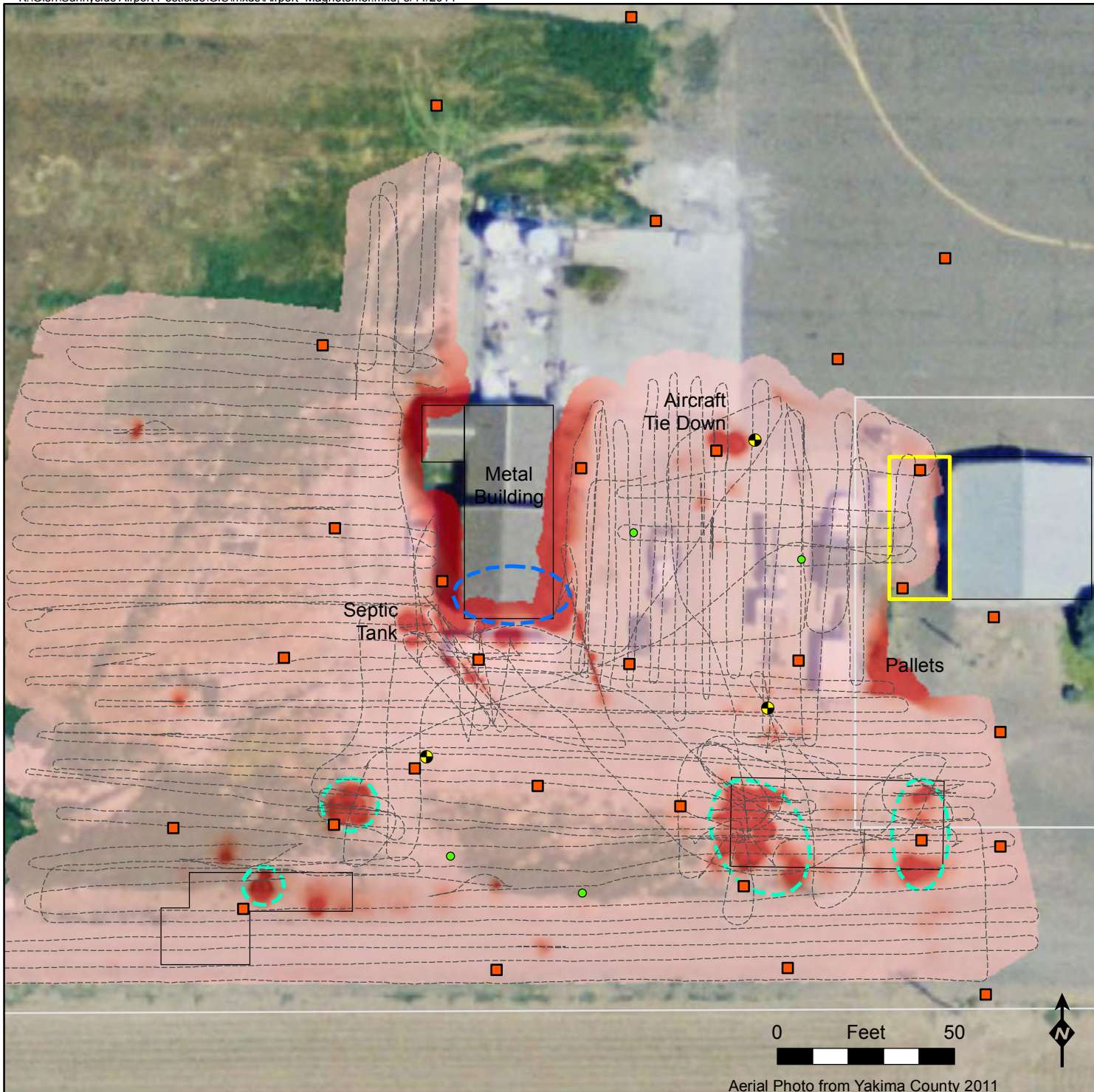
Sunnyside Municipal Airport  
Remedial Investigation





Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

<ul style="list-style-type: none"> <li> Monitoring Well</li> <li> Other Elevation Location</li> <li> Direct Push Location</li> </ul>	<p>WL Elevations 6-25-2014</p> <p>SMW-1: 746.75</p> <p>SMW-2: 746.33</p> <p>SMW-3: 745.95</p> <p>SP-32: 745.49</p>	<p><b>Figure 2-2</b></p> <p><b>Groundwater Elevations</b></p>
<ul style="list-style-type: none"> <li> 745.51 Measured Groundwater Elevation (NAVD 88) (5-9-2014)</li> <li> 739 Water Table Groundwater Elevation Contour (5-9-2014)</li> <li> Triangulated Groundwater Flow Direction</li> </ul>	<p>0 Feet 200</p> 	



### Figure 2-3 Geophysical Results

Sunnyside Municipal Airport  
Remedial Investigation



Geophysical readings collected with a Geonics EM-61-MKII magnetometer with integrated GPS system

- Survey Lines/Path
- Instrument Readings
  - High : 12262 mV
  - Low : 21 mV

- Anomaly Outline
- Debris Observed During Construction
- Monitoring Well
- Direct Push Location
- Ecology Sample Locations
- Airport Parcels
- Former Pesticide Shed
- Existing & Historic Building Outlines

Figure 2-4  
Soil Sampling Results

Sunnyside Municipal Airport  
Remedial Investigation



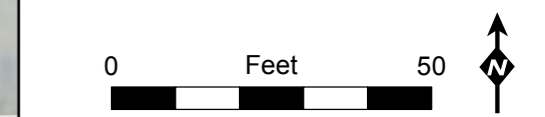
K:\Glen\Sunnyside Airport Pesticide\GIS\SunnysideAirport\_SoilSampleLocations.mxd, 8/14/2014

- Monitoring Well
- Direct Push Location
- Ecology Sample Locations
- Airport Parcels
- Former Pesticide Shed
- Existing & Historic Building Outlines
- Anomaly Outline
- Debris Observed During Construction
- Extent of soil exceeding screening levels 0- 5 ft bgs
- Extent of soil exceeding screening levels below 5 ft bgs

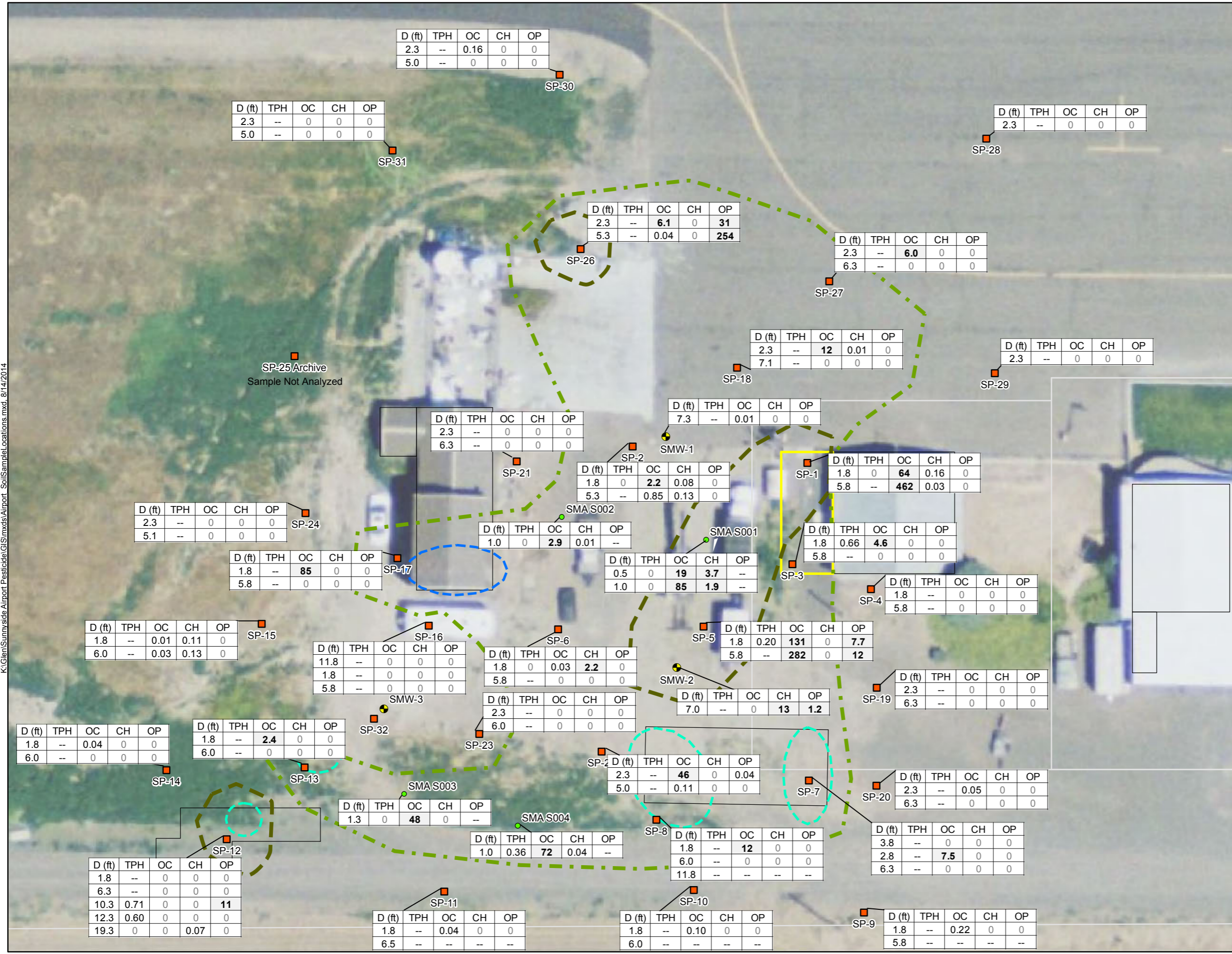
Each value is the maximum exceedance ratio for the constituent class, where:  
 D(ft): depth below ground surface (feet)  
 TPH: Petroleum Compounds  
 OC: Organochlorine Pesticides  
 CH: Chlorinated Herbicides  
 OP: Organophosphorous Pesticides

Soil concentrations are reported in Table 2-5.

Exceedance ratios are the calculated as the detected concentration divided by the screening level.



Aerial Photo from Yakima County 2011





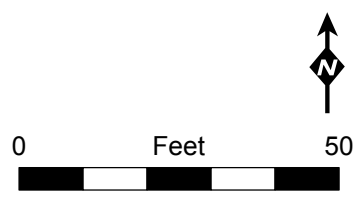
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

- Monitoring Well
- Direct Push Location
- Ecology Sample Locations
- Airport Parcels
- Former Pesticide Shed
- Existing & Historic Building Outlines

Each value is the maximum exceedance ratio for the constituent class, where:  
 D(ft): depth below ground surface (feet)  
 TPH: Petroleum Compounds  
 OC: Organochlorine Pesticides  
 CH: Chlorinated Herbicides  
 OP: Organophosphorous Pesticides

Exceedance ratios are the detected concentration divided by the screening level.

Groundwater concentrations are reported in Table 2-6.



Aerial Photo from Yakima County 2011

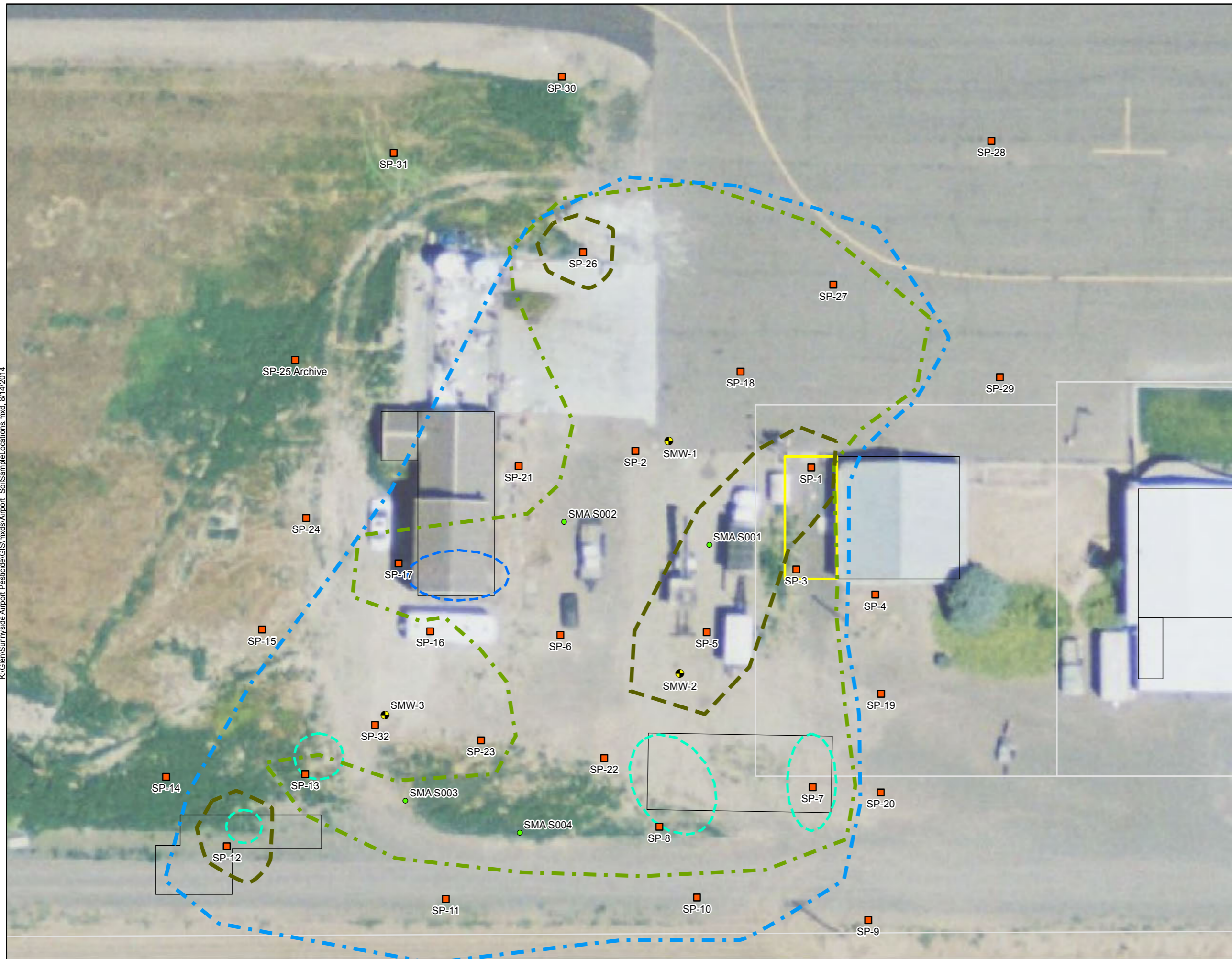
Figure 2-5  
Groundwater Sample Results

Figure 2-6  
Extent of Contamination

Sunnyside Municipal Airport  
Remedial Investigation

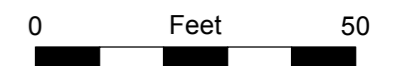


K:\Glen\Sunnyside Airport Pesticide\GIS\mxds\Airport\_SoilSampleLocations.mxd, 8/14/2014



- Monitoring Well
- Direct Push Location
- Ecology Sample Locations
- Airport Parcels
- Former Pesticide Shed
- Existing & Historic Building Outlines

- Anomaly Outline
- Debris Observed During Construction
- Extent of soil exceeding screening levels 0-5 ft bgs
- Extent of soil exceeding screening levels below 5 ft bgs
- Extent of groundwater exceeding screening levels. Groundwater extent is assumed similar to soil extent.



Aerial Photo from Yakima County 2011

**APPENDIX A  
HISTORIC AIR PHOTOS**



E Edison Rd

0 Feet 200



1947 Aerial Photo

Sunnyside Municipal Airport  
Environmental Investigation








E Edison Rd

1963 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

0 Feet 200



1964 Aerial Photo

Sunnyside Municipal Airport  
Environmental Investigation





1968 Aerial Photo

0 Feet 200





E Edison Rd

0 Feet 200



1973 Aerial Photo

Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

1982 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

1987 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

1992 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

0 Feet 200



1996 Aerial Photo

Sunnyside Municipal Airport  
Environmental Investigation







E Edison Rd

2006 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

0 Feet 200



2009 Aerial Photo

Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

2011 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation





E Edison Rd

2013 Aerial Photo

0 Feet 200



Sunnyside Municipal Airport  
Environmental Investigation



**APPENDIX B**  
**HYDRAULIC TEST DATA**

WELL ID: SMW-1 SLUG IN

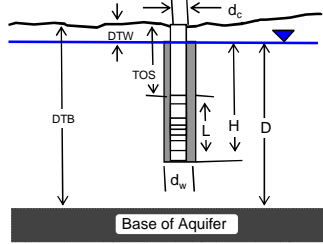
INPUT	
<b>Construction:</b>	
Casing dia. ( $d_c$ )	2 Inch
Annulus dia. ( $d_w$ )	8 Inch
Screen Length (L)	10 Feet
<b>Depths to:</b>	
water level (DTW)	10.5 Feet
top of screen (TOS)	10 Feet
Base of Aquifer (DTB)	30 Feet
<b>Annular Fill:</b>	
across screen --	Coarse Sand
above screen --	Bentonite
Aquifer Material -- Silt, Loess	

COMPUTED	
$L_{wetted}$	9.5 Feet
D =	19.5 Feet
H =	9.5 Feet
$L/r_w$ =	28.50
$Y_0$ -DISPLACEMENT =	1.25 Feet
$Y_0$ -SLUG =	1.95 Feet
From look-up table using $L/r_w$	
Partial penetrate A =	2.459
B =	0.406
$\ln(Re/r_w)$ =	2.159
Re =	2.89 Feet
Slope =	0.001041 $\log_{10}/\text{sec}$
$t_{90\%}$ recovery =	961 sec

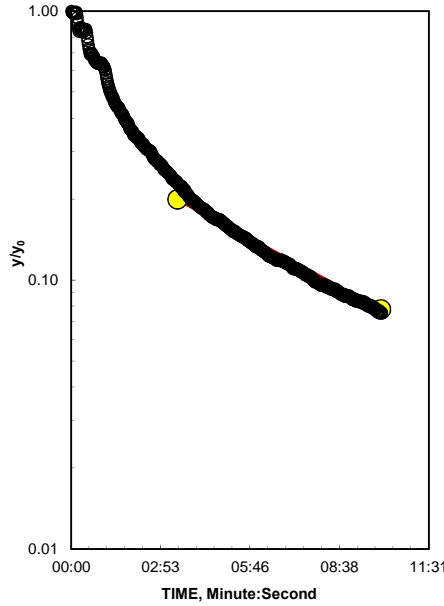
Input is consistent.

K =	0.16 Feet/Day
-----	---------------

Local ID: SMW-1  
Date: 3/31/2014  
Time: 15:49



Adjust slope of line to estimate K



Entry	Reduced Data Time, Hr:Min:Sec	Water Level
1	15:49:14.0	9.01
2	15:49:27.0	8.84
3	15:49:40.0	8.82
4	15:49:53.0	8.63
5	15:50:06.0	8.56
6	15:50:19.0	8.52
7	15:50:32.0	8.36
8	15:50:45.0	8.31
9	15:50:58.0	8.25
10	15:51:11.0	8.21
11	15:51:24.0	8.18
12	15:51:37.0	8.15
13	15:51:50.0	8.12
14	15:52:03.0	8.10
15	15:52:16.0	8.08
16	15:52:29.0	8.06
17	15:52:42.0	8.04
18	15:52:55.0	8.02
19	15:53:08.0	8.01
20	15:53:21.0	8.00
21	15:53:34.0	7.99
22	15:53:47.0	7.97
23	15:54:00.0	7.97
24	15:54:13.0	7.96
25	15:54:26.0	7.95
26	15:54:39.0	7.94
27	15:54:52.0	7.94
28	15:55:05.0	7.93
29	15:55:18.0	7.92
30	15:55:31.0	7.92
31	15:55:44.0	7.91
32	15:55:57.0	7.91
33	15:56:10.0	7.90
34	15:56:23.0	7.90
35	15:56:36.0	7.89
36	15:56:49.0	7.89
37	15:57:02.0	7.89
38	15:57:15.0	7.88
39	15:57:28.0	7.88
40	15:57:41.0	7.88
41	15:57:54.0	7.87
42	15:58:07.0	7.87
43	15:58:20.0	7.87
44	15:58:33.0	7.86
45	15:58:46.0	7.86

**K= 0.16 is greater than likely maximum of 0.1 for Silt, Loess**

REMARKS: Bouwer and Rice analysis of slug test, WRR 1976

Halford, K., and Kuniandy, E., 2002. *Documentation of Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data*. U.S. Geological Survey Open-File Report 02-197.

WELL ID: SMW-1 SLUG OUT

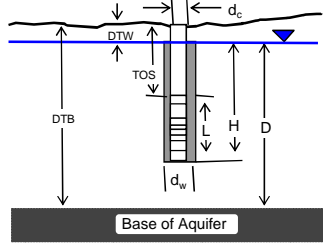
INPUT	
<b>Construction:</b>	
Casing dia. ( $d_c$ )	2 Inch
Annulus dia. ( $d_w$ )	6 Inch
Screen Length (L)	10 Feet
<b>Depths to:</b>	
water level (DTW)	10.5 Feet
top of screen (TOS)	10 Feet
Base of Aquifer (DTB)	30 Feet
<b>Annular Fill:</b>	
across screen --	Medium Sand
above screen --	Bentonite
Aquifer Material -- Silt, Loess	

COMPUTED	
$L_{wetted}$	9.5 Feet
D	19.5 Feet
H	9.5 Feet
$L/r_w$	38.00
$Y_0-DISPLACEMENT$	1.51 Feet
$Y_0-SLUG$	1.95 Feet
From look-up table using $L/r_w$	
Partial penetrate A	2.782
B	0.451
$\ln(Re/r_w)$	2.384
Re	2.71 Feet
Slope	$0.000723 \log_{10}/sec$
$t_{90\%}$ recovery	1384 sec

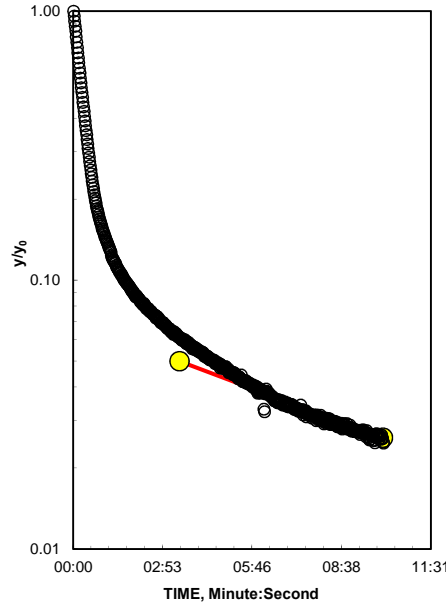
Input is consistent.

K =	0.13 Feet/Day
-----	---------------

Local ID: SMW-1  
Date: 3/31/2014  
Time: 16:10



Adjust slope of line to estimate K



Entry	Reduced Data Time, Hr:Min:Sec	Water Level
1	16:10:57.0	6.27
2	16:11:10.0	6.93
3	16:11:23.0	7.28
4	16:11:36.0	7.46
5	16:11:49.0	7.53
6	16:12:02.0	7.57
7	16:12:15.0	7.60
8	16:12:28.0	7.62
9	16:12:41.0	7.63
10	16:12:54.0	7.65
11	16:13:07.0	7.65
12	16:13:20.0	7.66
13	16:13:33.0	7.67
14	16:13:46.0	7.67
15	16:13:59.0	7.68
16	16:14:12.0	7.69
17	16:14:25.0	7.69
18	16:14:38.0	7.69
19	16:14:51.0	7.70
20	16:15:04.0	7.70
21	16:15:17.0	7.70
22	16:15:30.0	7.71
23	16:15:43.0	7.71
24	16:15:56.0	7.71
25	16:16:09.0	7.71
26	16:16:22.0	7.72
27	16:16:35.0	7.72
28	16:16:48.0	7.72
29	16:17:01.0	7.72
30	16:17:14.0	7.72
31	16:17:27.0	7.73
32	16:17:40.0	7.73
33	16:17:53.0	7.73
34	16:18:06.0	7.73
35	16:18:19.0	7.73
36	16:18:32.0	7.73
37	16:18:45.0	7.73
38	16:18:58.0	7.73
39	16:19:11.0	7.73
40	16:19:24.0	7.74
41	16:19:37.0	7.74
42	16:19:50.0	7.74
43	16:20:03.0	7.74
44	16:20:16.0	7.74
45	16:20:29.0	7.74

**K= 0.13 is greater than likely maximum of 0.1 for Silt, Loess**

REMARKS: Bouwer and Rice analysis of slug test, WRR 1976

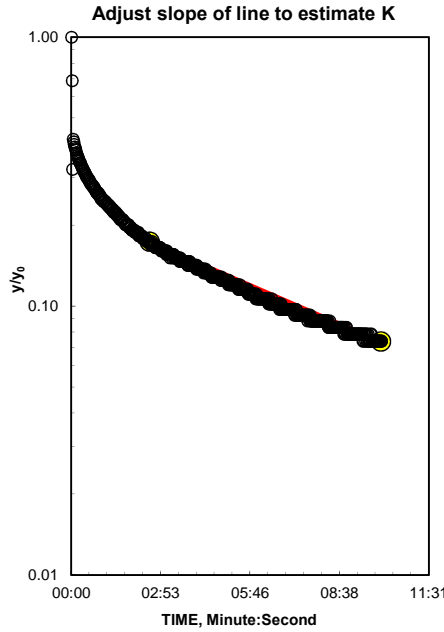
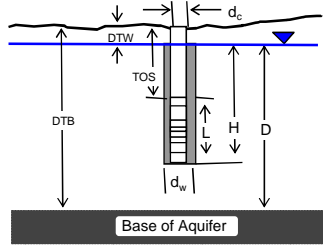
Halford, K., and Kuniansky, E., 2002. *Documentation of Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data*. U.S. Geological Survey Open-File Report 02-197.

WELL ID: SMW-2 SLUG IN

INPUT	
<b>Construction:</b>	
Casing dia. ( $d_c$ )	2 Inch
Annulus dia. ( $d_w$ )	8 Inch
Screen Length (L)	10 Feet
<b>Depths to:</b>	
water level (DTW)	10.5 Feet
top of screen (TOS)	10 Feet
Base of Aquifer (DTB)	30 Feet
<b>Annular Fill:</b>	
across screen --	Coarse Sand
above screen --	Bentonite
Aquifer Material -- Silt, Loess	

COMPUTED	
$L_{wetted}$	9.5 Feet
D =	19.5 Feet
H =	9.5 Feet
$L/r_w$ =	28.50
$Y_0$ -DISPLACEMENT =	1.09 Feet
$Y_0$ -SLUG =	1.95 Feet
From look-up table using $L/r_w$	
Partial penetrate A =	2.459
B =	0.406
$\ln(Re/r_w)$ =	2.159
Re =	2.89 Feet
Slope =	0.000831 $\log_{10}/\text{sec}$
$t_{90\%}$ recovery =	1204 sec
<b>Input is consistent.</b>	
<b>K =</b>	<b>0.13 Feet/Day</b>

Local ID: SMW-2  
 Date: 3/31/2014  
 Time: 16:12



Entry	Reduced Data Time, Hr:Min:Sec	Water Level
1	16:12:50.0	42.17
2	16:13:03.0	41.47
3	16:13:16.0	41.42
4	16:13:29.0	41.39
5	16:13:42.0	41.36
6	16:13:55.0	41.35
7	16:14:08.0	41.33
8	16:14:21.0	41.31
9	16:14:34.0	41.30
10	16:14:47.0	41.29
11	16:15:00.0	41.28
12	16:15:13.0	41.28
13	16:15:26.0	41.27
14	16:15:39.0	41.26
15	16:15:52.0	41.26
16	16:16:05.0	41.25
17	16:16:18.0	41.25
18	16:16:31.0	41.24
19	16:16:44.0	41.24
20	16:16:57.0	41.23
21	16:17:10.0	41.23
22	16:17:23.0	41.22
23	16:17:36.0	41.22
24	16:17:49.0	41.22
25	16:18:02.0	41.21
26	16:18:15.0	41.21
27	16:18:28.0	41.21
28	16:18:41.0	41.20
29	16:18:54.0	41.20
30	16:19:07.0	41.20
31	16:19:20.0	41.19
32	16:19:33.0	41.19
33	16:19:46.0	41.19
34	16:19:59.0	41.19
35	16:20:12.0	41.18
36	16:20:25.0	41.18
37	16:20:38.0	41.18
38	16:20:51.0	41.18
39	16:21:04.0	41.18
40	16:21:17.0	41.17
41	16:21:30.0	41.17
42	16:21:43.0	41.17
43	16:21:56.0	41.17
44	16:22:09.0	41.17
45	16:22:22.0	41.16

**K= 0.13 is greater than likely maximum of 0.1 for Silt, Loess**

REMARKS: Bouwer and Rice analysis of slug test, WRR 1976

Halford, K., and Kuniansky, E., 2002. *Documentation of Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data*. U.S. Geological Survey Open-File Report 02-197.



WELL ID: SMW-2 SLUG OUT

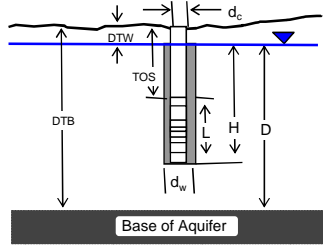
INPUT	
<b>Construction:</b>	
Casing dia. ( $d_c$ )	2 Inch
Annulus dia. ( $d_w$ )	8 Inch
Screen Length (L)	10 Feet
<b>Depths to:</b>	
water level (DTW)	10.5 Feet
top of screen (TOS)	10 Feet
Base of Aquifer (DTB)	30 Feet
<b>Annular Fill:</b>	
across screen --	Coarse Sand
above screen --	Bentonite
Aquifer Material -- Silt, Loess	

COMPUTED	
$L_{wetted}$	9.5 Feet
D =	19.5 Feet
H =	9.5 Feet
$L/r_w$ =	28.50
$Y_0$ -DISPLACEMENT =	1.46 Feet
$Y_0$ -SLUG =	1.95 Feet
From look-up table using $L/r_w$	
Partial penetrate A =	2.459
B =	0.406
$\ln(Re/r_w)$ =	2.159
Re =	2.89 Feet
Slope =	0.002307 $\log_{10}/\text{sec}$
$t_{90\%}$ recovery =	433 sec

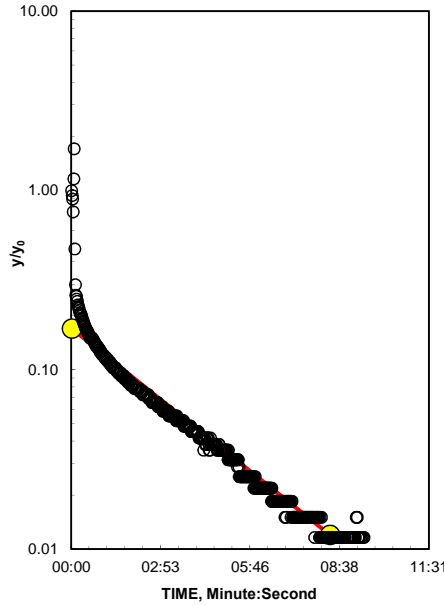
Input is consistent.

<b>K =</b>	<b>0.36 Feet/Day</b>
------------	----------------------

Local ID: SMW-2  
Date: 3/31/2014  
Time: 16:27



Adjust slope of line to estimate K



Entry	Reduced Data Time, Hr:Min:Sec	Water Level
1	16:27:52.0	39.62
2	16:28:05.0	40.75
3	16:28:18.0	40.83
4	16:28:31.0	40.86
5	16:28:44.0	40.89
6	16:28:57.0	40.91
7	16:29:10.0	40.93
8	16:29:23.0	40.94
9	16:29:36.0	40.95
10	16:29:49.0	40.96
11	16:30:02.0	40.97
12	16:30:15.0	40.97
13	16:30:28.0	40.98
14	16:30:41.0	40.99
15	16:30:54.0	40.99
16	16:31:07.0	41.00
17	16:31:20.0	41.00
18	16:31:33.0	41.01
19	16:31:46.0	41.01
20	16:31:59.0	41.02
21	16:32:12.0	41.02
22	16:32:25.0	41.02
23	16:32:38.0	41.03
24	16:32:51.0	41.03
25	16:33:04.0	41.03
26	16:33:17.0	41.04
27	16:33:30.0	41.04
28	16:33:43.0	41.04
29	16:33:56.0	41.05
30	16:34:09.0	41.05
31	16:34:22.0	41.05
32	16:34:35.0	41.05
33	16:34:48.0	41.05
34	16:35:01.0	41.06
35	16:35:14.0	41.06
36	16:35:27.0	41.06
37	16:35:40.0	41.06
38	16:35:53.0	41.06
39	16:36:06.0	41.06
40	16:36:19.0	41.06
41	16:36:32.0	41.06
42	16:36:45.0	41.07
43	16:36:58.0	41.06
44	16:37:11.0	41.06
45	16:37:24.0	41.07

**K= 0.36 is greater than likely maximum of 0.1 for Silt, Loess**

REMARKS: Bouwer and Rice analysis of slug test, WRR 1976

Halford, K., and Kuniansky, E., 2002. *Documentation of Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data*. U.S. Geological Survey Open-File Report 02-197.

**APPENDIX C**  
**MONITORING WELL LOGS**

Depth (ft)	Graphic Log	Samples		Description	Well Construction		
		Sample ID	Type				
0		SMW-3-5-S		Damp, brown, sandy, SILT; no odors	Flush Mount Morris Steel Monument Cement		
2						Hydrated Bentonite	
4							2-inch SCH 40 PVC Flush-Threaded Casing
6					Moist, brown, sandy, SILT; no odors		
8					Wet, brown, sandy, SILT; no odors		10-20 Silica Sand Pack
10			No core collected 10-20 feet below ground surface				
12							
14							
16					2-inch SCH 40 PVC 0.020-Slot Screen		
18							
20							

Address: Edison Road City, State: Sunnyside, Washington Tax Parcel ID: 23102924003 TRS Location: T10N, R23E S29NW Horizontal Loc.: 362349.9 N, 1173867.7E Consulting Firm: PGG Logged by: GSW	Drilling Firm: ESN NW Drilling Method: Hollow Stem Ecology ID: BIE-974 DTW: 9.66 MP Elevation: 755.17 Datum: NAVD 88, WA State Plane S Date: 3/20/2014	<b>Boring Log and As-Built SMW-3</b>  Sunnyside Municipal Airport Remedial Investigation JG1201	
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Depth (ft)	Graphic Log	Samples		Description	Well Construction	
		Sample ID	Type			
0		SMW-2-S		Damp, brown, sandy, clayey, SILT; trace gravel	Flush Mount Morris Steel Monument Cement	
2				Damp, brown, sandy, clayey, SILT	Hydrated Bentonite	
4						
6					Moist, brown, sandy, clayey, SILT; no odor	2-inch SCH 40 PVC Flush-Threaded Casing
8						10-20 Silica Sand Pack
10					Wet, brown, sandy, clayey, SILT; no odor	
12			No core collected 10-20 feet below ground surface			
14						
16					2-inch SCH 40 PVC 0.020-Slot Screen	
18						
20						

Address: Edison Road City, State: Sunnyside, Washington Tax Parcel ID: 23102924003 TRS Location: T10N, R23E S29NW Horizontal Loc.: 362363.6 N, 1173964.0E Consulting Firm: PGG Logged by: GSW	Drilling Firm: ESN NW Drilling Method: Hollow Stem Ecology ID: BIE-967 DTW: 10.24 MP Elevation: 756.18 Datum: NAVD 88, WA State Plane S Date: 3/20/2014	<b>Boring Log and As-Built SMW-2</b>  Sunnyside Municipal Airport Remedial Investigation JG1201	
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Depth (ft)	Graphic Log	Samples		Description	Well Construction		
		Sample ID	Type				
0		SMW-1-S		Damp, brown, sandy SILT; no petroleum odor noted	Flush Mount Morris Steel Monument Cement		
2						Hydrated Bentonite	
4							
6					Moist, brown, sandy SILT; faint fertilizer or related odor	2-inch SCH 40 PVC Flush-Threaded Casing	
8					Wet, brown, sandy SILT	10-20 Silica Sand Pack	
10			No core collected 10-20 feet below ground surface				
12							
14							
16					2-inch SCH 40 PVC 0.020-Slot Screen		
18							
20							

Address: Edison Road City, State: Sunnyside, Washington Tax Parcel ID: 23102924003 TRS Location: T10N, R23E S29NW Horizontal Loc.: 362439.4 N, 1173960.4E Consulting Firm: PGG Logged by: GSW	Drilling Firm: ESN NW Drilling Method: Hollow Stem Ecology ID: BIE-972 DTW: 9.85 MP Elevation: 756.24 Datum: NAVD 88, WA State Plane S Date: 3/20/2014	<b>Boring Log and As-Built SMW-1</b>  Sunnyside Municipal Airport Remedial Investigation JG1201	
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**APPENDIX D**  
**LABORATORY DATA REPORTS**



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

February 26, 2014

Glen Wallace  
Pacific Groundwater Group  
2377 Eastlake Avenue E, Suite 200  
Seattle, WA 98102

Re: Analytical Data for Project JG 1201  
Laboratory Reference No. 1402-040

Dear Glen:

Enclosed are the analytical results and associated quality control data for samples submitted on February 6, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures

Date of Report: February 26, 2014  
Samples Submitted: February 6, 2014  
Laboratory Reference: 1402-040  
Project: JG 1201

### Case Narrative

Samples were collected on February 5 and 6, 2014 and received by the laboratory on February 6, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

#### Volatiles EPA 8260C (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The percent recovery for Toluene in the Matrix Spike and the RPD for Toluene were outside of control limits on the 02-040-03 MS/MSD. The spike blank/spike blank duplicate had all parameters within control limits; therefore the failures are attributed to sample inhomogeneity.

#### Organophosphorus Pesticides EPA 8270D/SIM (soil) Analysis

The MS/MSD pair had one RPD out of control limits. Malathion is flagged with an "L" indicator. The SB/SBD pair extracted with this batch had all parameters in control, no further action was deemed necessary.

#### Chlorinated Acid Herbicides EPA 8151A (soil) Analysis

Due to negative effects of the matrix on the instrument, values for the analytes 2,4-D, and 2,4-DB in the closing continuing calibration verification standard (CCVs) were low. Therefore, values for these compounds can be greater than reported. Since the degradation of the CCV standards was reproducible after re-injecting the sample extracts, the CCV degradation problem was attributed to the matrix of these samples. No further action was performed.

#### Chlorinated Acid Herbicides EPA 8151A (water) Analysis

Due to negative effects of the matrix on the instrument, the closing continuing calibration verification standards (CCVs) were low. Therefore, values can be greater than reported. Since the degradation of the CCV standards was reproducible after re-injecting the sample extracts, the CCV degradation problem was attributed to the matrix of these samples. No further action was performed.

#### Chlorinated Acid Herbicides EPA 8151A (added soil) Analysis

Due to negative effects of the matrix on the instrument, the closing continuing calibration verification standards (CCVs) were low. Therefore, values can be greater than reported. Since the degradation of the CCV standards was reproducible after re-injecting the sample extracts, the CCV degradation problem was attributed to the matrix of these samples. No further action was performed.

**Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.**



Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

### VOLATILES EPA 8260C

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-1-18-S</b>					
Laboratory ID:	02-040-01					
Benzene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0052	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0021	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>89</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES EPA 8260C**

Matrix: Soil  
 Units: mg/kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-3-18-S</b>					
Laboratory ID:	02-040-03					
Benzene	ND	0.00097	EPA 8260C	2-7-14	2-7-14	
Toluene	0.034	0.0049	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	0.0012	0.00097	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	0.0041	0.0019	EPA 8260C	2-7-14	2-7-14	
o-Xylene	0.0012	0.00097	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.00097	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>117</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>114</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

### VOLATILES EPA 8260C

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-2-18-S</b>					
Laboratory ID:	02-040-05					
Benzene	ND	0.0011	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0054	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.0011	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0022	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.0011	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.0011	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES EPA 8260C**

Matrix: Soil  
 Units: mg/kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-5-18-S</b>					
Laboratory ID:	02-040-09					
Benzene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0052	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0021	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

### VOLATILES EPA 8260C

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-6-18-S</b>					
Laboratory ID:	02-040-11					
Benzene	ND	0.00092	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0046	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.00092	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0018	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.00092	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.00092	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>109</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES EPA 8260C**

Matrix: Soil  
 Units: mg/kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-230-S</b>					
Laboratory ID:	02-040-42					
Benzene	ND	0.00096	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0048	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.00096	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0019	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.00096	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.00096	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>107</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES EPA 8260C**

Matrix: Soil  
 Units: mg/kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-122-S</b>					
Laboratory ID:	02-040-43					
Benzene	0.0032	0.00094	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0047	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	0.0030	0.00094	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	0.039	0.0019	EPA 8260C	2-7-14	2-7-14	
o-Xylene	0.037	0.00094	EPA 8260C	2-7-14	2-7-14	
Naphthalene	0.16	0.00094	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

### VOLATILES EPA 8260C

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-144-S</b>					
Laboratory ID:	02-040-44					
Benzene	0.0027	0.00096	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0048	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.00096	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0019	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.00096	EPA 8260C	2-7-14	2-7-14	
Naphthalene	0.042	0.00096	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>115</i>	<i>73-124</i>				



Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES by EPA 8260C  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
Laboratory ID:	MB0207S1					
Benzene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	0.0050	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.0020	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	0.0010	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>65-129</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>77-122</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>73-124</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES by EPA 8260C  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD		Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
<b>MATRIX SPIKES</b>											
Laboratory ID:	02-040-03										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	<b>0.0396</b>	<b>0.0411</b>	0.0454	0.0480	ND	87	86	57-140	2	17	
Benzene	<b>0.0394</b>	<b>0.0385</b>	0.0454	0.0480	ND	87	80	62-124	8	15	
Trichloroethene	<b>0.0389</b>	<b>0.0382</b>	0.0454	0.0480	ND	86	80	59-116	7	15	
Toluene	<b>0.0516</b>	<b>0.0619</b>	0.0454	0.0480	0.0300	48	66	62-114	33	16	V,W
Chlorobenzene	<b>0.0431</b>	<b>0.0406</b>	0.0454	0.0480	ND	95	85	57-122	12	18	
<i>Surrogate:</i>											
Dibromofluoromethane						98	98	65-129			
Toluene-d8						115	114	77-122			
4-Bromofluorobenzene						111	113	73-124			

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**VOLATILES by EPA 8260C  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0207S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	<b>0.0491</b>	<b>0.0509</b>	0.0500	0.0500	98	102	56-141	4	15	
Benzene	<b>0.0505</b>	<b>0.0498</b>	0.0500	0.0500	101	100	70-121	1	15	
Trichloroethene	<b>0.0513</b>	<b>0.0508</b>	0.0500	0.0500	103	102	74-118	1	15	
Toluene	<b>0.0581</b>	<b>0.0572</b>	0.0500	0.0500	116	114	75-120	2	15	
Chlorobenzene	<b>0.0602</b>	<b>0.0588</b>	0.0500	0.0500	120	118	75-120	2	15	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					89	92	65-129			
<i>Toluene-d8</i>					102	107	77-122			
<i>4-Bromofluorobenzene</i>					101	107	73-124			

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

### VOLATILES EPA 8260C

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-3-GW</b>					
Laboratory ID:	02-040-31					
Benzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Toluene	7.0	1.0	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	0.42	0.20	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	1.7	0.40	EPA 8260C	2-7-14	2-7-14	
o-Xylene	0.84	0.20	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	2.0	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>62-122</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>70-120</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-120</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

### VOLATILES EPA 8260C

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-8-GW</b>					
Laboratory ID:	02-040-32					
Benzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	1.0	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.40	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	2.0	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>62-122</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>70-120</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-120</i>				

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### VOLATILES EPA 8260C

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-GW</b>					
Laboratory ID:	02-040-33					
Benzene	1.3	0.20	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	1.0	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	1.1	0.40	EPA 8260C	2-7-14	2-7-14	
o-Xylene	0.97	0.20	EPA 8260C	2-7-14	2-7-14	
Naphthalene	17	2.0	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>62-122</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>70-120</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-120</i>				

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### VOLATILES EPA 8260C

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-GW</b>					
Laboratory ID:	02-040-34					
Benzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	1.0	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.40	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	2.0	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>62-122</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>70-120</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-120</i>				

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**VOLATILES by EPA 8260C  
 METHOD BLANK QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
Laboratory ID:	MB0207W1					
Benzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Toluene	ND	1.0	EPA 8260C	2-7-14	2-7-14	
Ethylbenzene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
m,p-Xylene	ND	0.40	EPA 8260C	2-7-14	2-7-14	
o-Xylene	ND	0.20	EPA 8260C	2-7-14	2-7-14	
Naphthalene	ND	2.0	EPA 8260C	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>62-122</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>70-120</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-120</i>				



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**VOLATILES by EPA 8260C  
 SB/SBD QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0207W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.9	10.2	10.0	10.0	109	102	63-142	7	17	
Benzene	10.2	10.2	10.0	10.0	102	102	78-125	0	15	
Trichloroethene	9.42	9.36	10.0	10.0	94	94	80-125	1	15	
Toluene	10.0	9.94	10.0	10.0	100	99	80-125	1	15	
Chlorobenzene	10.5	10.5	10.0	10.0	105	105	80-140	0	15	
<i>Surrogate:</i>										
Dibromofluoromethane					101	104	62-122			
Toluene-d8					100	100	70-120			
4-Bromofluorobenzene					98	100	71-120			

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### NWTPH-Dx

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-1-18-S</b>					
Laboratory ID:	02-040-01					
Diesel Range Organics	<b>ND</b>	31	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	63	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				
<b>Client ID:</b>	<b>SP-3-18-S</b>					
Laboratory ID:	02-040-03					
Diesel Range Organics	<b>ND</b>	28	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	57	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
<b>Client ID:</b>	<b>SP-2-18-S</b>					
Laboratory ID:	02-040-05					
Diesel Range Organics	<b>ND</b>	28	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	56	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
<b>Client ID:</b>	<b>SP-5-18-S</b>					
Laboratory ID:	02-040-09					
Diesel Range Organics	<b>ND</b>	140	NWTPH-Dx	2-11-14	2-11-14	U1,X1
Lube Oil Range Organics	<b>400</b>	57	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				
<b>Client ID:</b>	<b>SP-6-18-S</b>					
Laboratory ID:	02-040-11					
Diesel Range Organics	<b>ND</b>	29	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	58	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				
<b>Client ID:</b>	<b>SP-12-230-S</b>					
Laboratory ID:	02-040-42					
Diesel Range Organics	<b>ND</b>	31	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	63	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				

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### NWTPH-Dx

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-122-S</b>					
Laboratory ID:	02-040-43					
Diesel Fuel #2	<b>220</b>	32	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	65	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
<b>Client ID:</b>	<b>SP-12-144-S</b>					
Laboratory ID:	02-040-44					
Diesel Range Organics	<b>ND</b>	32	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	64	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	110	50-150				

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**NWTPH-Dx  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0211S1					
Diesel Range Organics	<b>ND</b>	25	NWTPH-Dx	2-11-14	2-11-14	X1
Lube Oil Range Organics	<b>ND</b>	50	NWTPH-Dx	2-11-14	2-11-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>137</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	02-040-05							
	ORIG	DUP						
Diesel Range Organics	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	X1
Lube Oil Range Organics	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				102	114	50-150		

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### NWTPH-Dx

Matrix: Water  
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-3-GW</b>					
Laboratory ID:	02-040-31					
Diesel Range Organics	<b>ND</b>	0.26	NWTPH-Dx	2-10-14	2-10-14	X1
Lube Oil Range Organics	<b>ND</b>	0.41	NWTPH-Dx	2-10-14	2-10-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
<b>Client ID:</b>	<b>SP-8-GW</b>					
Laboratory ID:	02-040-32					
Diesel Range Organics	<b>ND</b>	0.26	NWTPH-Dx	2-10-14	2-10-14	X1
Lube Oil Range Organics	<b>ND</b>	0.41	NWTPH-Dx	2-10-14	2-10-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	113	50-150				
<b>Client ID:</b>	<b>SP-12-GW</b>					
Laboratory ID:	02-040-33					
Diesel Range Organics	<b>0.50</b>	0.27	NWTPH-Dx	2-10-14	2-10-14	X1
Lube Oil Range Organics	<b>ND</b>	0.43	NWTPH-Dx	2-10-14	2-10-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	117	50-150				
<b>Client ID:</b>	<b>SP-16-GW</b>					
Laboratory ID:	02-040-34					
Diesel Range Organics	<b>ND</b>	0.26	NWTPH-Dx	2-10-14	2-10-14	X1
Lube Oil Range Organics	<b>ND</b>	0.41	NWTPH-Dx	2-10-14	2-10-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				

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**NWTPH-Dx  
 QUALITY CONTROL**

Matrix: Water  
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0210W1					
Diesel Range Organics	<b>ND</b>	0.25	NWTPH-Dx	2-10-14	2-10-14	X1
Lube Oil Range Organics	<b>ND</b>	0.40	NWTPH-Dx	2-10-14	2-10-14	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	02-040-32							
	ORIG	DUP						
Diesel Range Organics	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	X1
Lube Oil Range Organics	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>			113	109	50-150			

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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-1-18-S</b>					
Laboratory ID:	02-040-01					
alpha-BHC	ND	6.3	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	6.3	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	6.3	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	6.3	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	6.3	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	6.3	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	6.3	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	6.3	EPA 8081B	2-13-14	2-13-14	
Dieldrin	180	13	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	170	13	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	19	13	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	20	13	EPA 8081B	2-13-14	2-13-14	P
Endosulfan Sulfate	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	410	13	EPA 8081B	2-13-14	2-13-14	
Toxaphene	870	63	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	95	42-114				

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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-3-18-S</b>					
Laboratory ID:	02-040-03					
alpha-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Dieldrin	13	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	140	57	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	82	37-110				
DCB	95	42-114				



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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-2-18-S</b>					
Laboratory ID:	02-040-05					
alpha-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	15	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	110	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	330	56	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	79	37-110				
DCB	94	42-114				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-4-18-S</b>					
Laboratory ID:	02-040-07					
alpha-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	12	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	58	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>80</i>	<i>37-110</i>				
<i>DCB</i>	<i>94</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-5-18-S</b>					
Laboratory ID:	02-040-09					
alpha-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	37	11	EPA 8081B	2-13-14	2-13-14	P
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	3200	1100	EPA 8081B	2-13-14	2-14-14	
Endosulfan I	25	5.6	EPA 8081B	2-13-14	2-13-14	P
Dieldrin	77	11	EPA 8081B	2-13-14	2-13-14	
Endrin	180	11	EPA 8081B	2-13-14	2-13-14	P
4,4'-DDD	170	11	EPA 8081B	2-13-14	2-13-14	P
Endosulfan II	100	11	EPA 8081B	2-13-14	2-13-14	P
4,4'-DDT	3000	1100	EPA 8081B	2-13-14	2-14-14	
Endrin Aldehyde	120	11	EPA 8081B	2-13-14	2-13-14	P
Methoxychlor	710	110	EPA 8081B	2-13-14	2-14-14	
Endosulfan Sulfate	190	11	EPA 8081B	2-13-14	2-13-14	P
Endrin Ketone	92	11	EPA 8081B	2-13-14	2-13-14	P
Toxaphene	20000	560	EPA 8081B	2-13-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	84	37-110				
DCB	95	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-6-18-S</b>					
Laboratory ID:	02-040-11					
alpha-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	13	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.8	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	50	12	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	12	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	58	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	90	37-110				
DCB	102	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-7-18-S</b>					
Laboratory ID:	02-040-13					
alpha-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	6.2	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	12	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	62	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	82	37-110				
DCB	98	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-8-18-S</b>					
Laboratory ID:	02-040-16					
alpha-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	1200	110	EPA 8081B	2-13-14	2-14-14	
Endosulfan I	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Dieldrin	17	11	EPA 8081B	2-13-14	2-13-14	P
Endrin	25	11	EPA 8081B	2-13-14	2-13-14	P
4,4'-DDD	37	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	880	110	EPA 8081B	2-13-14	2-14-14	
Endrin Aldehyde	24	11	EPA 8081B	2-13-14	2-13-14	P
Methoxychlor	94	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	34	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	1800	550	EPA 8081B	2-13-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	88	37-110				
DCB	101	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-9-18-S</b>					
Laboratory ID:	02-040-18					
alpha-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	100	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	55	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	98	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-10-18-S</b>					
Laboratory ID:	02-040-21					
alpha-BHC	ND	5.4	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.4	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.4	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.4	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.4	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.4	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.4	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	43	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.4	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	54	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	85	37-110				
DCB	99	42-114				



Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-11-18-S</b>					
Laboratory ID:	02-040-23					
alpha-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	18	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	56	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	96	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-18-S</b>					
Laboratory ID:	02-040-25					
alpha-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	57	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	96	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-13-18-S</b>					
Laboratory ID:	02-040-28					
alpha-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	260	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	96	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	360	57	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	85	37-110				
DCB	98	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-14-18-S</b>					
Laboratory ID:	02-040-29					
alpha-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	20	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	56	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	96	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-17-18-S</b>					
Laboratory ID:	02-040-35					
alpha-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	7.6	5.7	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.7	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	23	5.7	EPA 8081B	2-13-14	2-13-14	P
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	420	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	13	5.7	EPA 8081B	2-13-14	2-13-14	P
Dieldrin	33	11	EPA 8081B	2-13-14	2-13-14	P
Endrin	140	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	120	11	EPA 8081B	2-13-14	2-13-14	P
4,4'-DDT	1300	110	EPA 8081B	2-13-14	2-14-14	
Endrin Aldehyde	81	11	EPA 8081B	2-13-14	2-13-14	P
Methoxychlor	420	11	EPA 8081B	2-13-14	2-13-14	P
Endosulfan Sulfate	150	11	EPA 8081B	2-13-14	2-13-14	P
Endrin Ketone	48	11	EPA 8081B	2-13-14	2-13-14	P
Toxaphene	13000	570	EPA 8081B	2-13-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	84	37-110				
DCB	96	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-12-S</b>					
Laboratory ID:	02-040-37					
alpha-BHC	ND	6.5	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	6.5	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	6.5	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	6.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	6.5	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	6.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	6.5	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	6.5	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	13	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	13	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	65	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>80</i>	<i>37-110</i>				
<i>DCB</i>	<i>94</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-18-S</b>					
Laboratory ID:	02-040-38					
alpha-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.5	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	55	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>84</i>	<i>37-110</i>				
<i>DCB</i>	<i>98</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-15-18-S</b>					
Laboratory ID:	02-040-40					
alpha-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.6	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	11	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	22	11	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	11	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	11	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	56	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	99	42-114				



Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-230-S</b>					
Laboratory ID:	02-040-42					
alpha-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	6.2	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	6.2	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	12	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	12	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	12	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	62	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>80</i>	<i>37-110</i>				
<i>DCB</i>	<i>95</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-122-S</b>					
Laboratory ID:	02-040-43					
alpha-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	6.4	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	13	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	13	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	64	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	78	37-110				
DCB	97	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-144-S</b>					
Laboratory ID:	02-040-44					
alpha-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	6.4	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	6.4	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	13	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	13	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	13	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	13	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	13	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	64	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	99	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0213S1					
alpha-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.0	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	10	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	10	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	10	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	10	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	10	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	10	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	10	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	10	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	10	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	10	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	10	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	10	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	50	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>89</i>	<i>37-110</i>				
<i>DCB</i>	<i>105</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0213S2					
alpha-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
gamma-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
beta-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
delta-BHC	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Heptachlor	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Aldrin	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Heptachlor Epoxide	ND	5.0	EPA 8081B	2-13-14	2-13-14	
gamma-Chlordane	ND	10	EPA 8081B	2-13-14	2-13-14	
alpha-Chlordane	ND	10	EPA 8081B	2-13-14	2-13-14	
4,4'-DDE	ND	10	EPA 8081B	2-13-14	2-13-14	
Endosulfan I	ND	5.0	EPA 8081B	2-13-14	2-13-14	
Dieldrin	ND	10	EPA 8081B	2-13-14	2-13-14	
Endrin	ND	10	EPA 8081B	2-13-14	2-13-14	
4,4'-DDD	ND	10	EPA 8081B	2-13-14	2-13-14	
Endosulfan II	ND	10	EPA 8081B	2-13-14	2-13-14	
4,4'-DDT	ND	10	EPA 8081B	2-13-14	2-13-14	
Endrin Aldehyde	ND	10	EPA 8081B	2-13-14	2-13-14	
Methoxychlor	ND	10	EPA 8081B	2-13-14	2-13-14	
Endosulfan Sulfate	ND	10	EPA 8081B	2-13-14	2-13-14	
Endrin Ketone	ND	10	EPA 8081B	2-13-14	2-13-14	
Toxaphene	ND	50	EPA 8081B	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>90</i>	<i>37-110</i>				
<i>DCB</i>	<i>100</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
<b>MATRIX SPIKES</b>											
Laboratory ID:	02-040-44										
	MS	MSD	MS	MSD		MS	MSD				
gamma-BHC	42.6	43.8	50.0	50.0	ND	85	88	45-117	3	15	
Heptachlor	43.0	43.7	50.0	50.0	ND	86	87	57-101	2	16	
Aldrin	42.7	43.6	50.0	50.0	ND	85	87	50-119	2	16	
Dieldrin	103	105	125	125	ND	82	84	45-110	2	17	
Endrin	108	109	125	125	ND	86	87	56-117	1	18	
4,4'-DDT	103	103	125	125	ND	83	83	46-110	0	21	
Surrogate:											
TCMX						86	80	37-110			
DCB						101	97	42-114			

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	Limit			
<b>SPIKE BLANKS</b>											
Laboratory ID:	SB0213S1										
	SB	SBD	SB	SBD		SB	SBD				
gamma-BHC	46.7	47.0	50.0	50.0	N/A	93	94	64-115	1	12	
Heptachlor	47.5	48.1	50.0	50.0	N/A	95	96	59-118	1	11	
Aldrin	47.5	48.0	50.0	50.0	N/A	95	96	67-120	1	13	
Dieldrin	114	116	125	125	N/A	91	93	62-114	2	13	
Endrin	116	118	125	125	N/A	93	94	63-116	2	17	
4,4'-DDT	114	117	125	125	N/A	91	93	59-109	3	14	
Surrogate:											
TCMX						94	88	37-110			
DCB						109	103	42-114			

Date of Report: February 26, 2014  
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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-3-GW</b>					
Laboratory ID:	02-040-31					
alpha-BHC	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
gamma-BHC	0.0083	0.0061	EPA 8081B	2-7-14	2-7-14	P
beta-BHC	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
delta-BHC	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Heptachlor	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Aldrin	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Heptachlor Epoxide	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
gamma-Chlordane	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
alpha-Chlordane	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
4,4'-DDE	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Endosulfan I	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Dieldrin	0.072	0.0061	EPA 8081B	2-7-14	2-7-14	
Endrin	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
4,4'-DDD	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Endosulfan II	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
4,4'-DDT	0.020	0.0061	EPA 8081B	2-7-14	2-7-14	P
Endrin Aldehyde	0.031	0.0061	EPA 8081B	2-7-14	2-7-14	P
Methoxychlor	ND	0.012	EPA 8081B	2-7-14	2-7-14	
Endosulfan Sulfate	ND	0.0061	EPA 8081B	2-7-14	2-7-14	
Endrin Ketone	ND	0.024	EPA 8081B	2-7-14	2-7-14	
Toxaphene	ND	0.061	EPA 8081B	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	39-93				
DCB	79	31-108				



Date of Report: February 26, 2014  
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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-8-GW</b>					
Laboratory ID:	02-040-32					
alpha-BHC	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
gamma-BHC	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
beta-BHC	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
delta-BHC	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Heptachlor	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Aldrin	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Heptachlor Epoxide	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
gamma-Chlordane	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
alpha-Chlordane	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
4,4'-DDE	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Endosulfan I	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Dieldrin	<b>0.0084</b>	0.0047	EPA 8081B	2-7-14	2-7-14	
Endrin	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
4,4'-DDD	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Endosulfan II	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
4,4'-DDT	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Endrin Aldehyde	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Methoxychlor	ND	0.0093	EPA 8081B	2-7-14	2-7-14	
Endosulfan Sulfate	ND	0.0047	EPA 8081B	2-7-14	2-7-14	
Endrin Ketone	ND	0.019	EPA 8081B	2-7-14	2-7-14	
Toxaphene	ND	0.047	EPA 8081B	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>64</i>	<i>39-93</i>				
<i>DCB</i>	<i>85</i>	<i>31-108</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-GW</b>					
Laboratory ID:	02-040-33					
alpha-BHC	<b>0.014</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
gamma-BHC	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
beta-BHC	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
delta-BHC	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Heptachlor	<b>0.010</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
Aldrin	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Heptachlor Epoxide	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
gamma-Chlordane	<b>0.011</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
alpha-Chlordane	<b>0.0074</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
4,4'-DDE	<b>0.032</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Endosulfan I	<b>0.020</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Dieldrin	<b>0.023</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
Endrin	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
4,4'-DDD	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Endosulfan II	<b>0.018</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
4,4'-DDT	<b>0.0075</b>	0.0060	EPA 8081B	2-7-14	2-7-14	P
Endrin Aldehyde	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Methoxychlor	<b>0.18</b>	0.012	EPA 8081B	2-7-14	2-7-14	P
Endosulfan Sulfate	<b>ND</b>	0.0060	EPA 8081B	2-7-14	2-7-14	
Endrin Ketone	<b>ND</b>	0.024	EPA 8081B	2-7-14	2-7-14	
Toxaphene	<b>ND</b>	0.060	EPA 8081B	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>85</i>	<i>39-93</i>				
<i>DCB</i>	<i>84</i>	<i>31-108</i>				

Date of Report: February 26, 2014  
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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-GW</b>					
Laboratory ID:	02-040-34					
alpha-BHC	<b>0.094</b>	0.0056	EPA 8081B	2-7-14	2-11-14	P
gamma-BHC	<b>1.1</b>	0.056	EPA 8081B	2-7-14	2-10-14	
beta-BHC	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
delta-BHC	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Heptachlor	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Aldrin	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Heptachlor Epoxide	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
gamma-Chlordane	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
alpha-Chlordane	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
4,4'-DDE	<b>0.12</b>	0.0056	EPA 8081B	2-7-14	2-11-14	P
Endosulfan I	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Dieldrin	<b>0.19</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Endrin	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
4,4'-DDD	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Endosulfan II	<b>0.074</b>	0.0056	EPA 8081B	2-7-14	2-11-14	P
4,4'-DDT	<b>0.023</b>	0.0056	EPA 8081B	2-7-14	2-11-14	P
Endrin Aldehyde	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Methoxychlor	<b>0.32</b>	0.011	EPA 8081B	2-7-14	2-11-14	P
Endosulfan Sulfate	<b>ND</b>	0.0056	EPA 8081B	2-7-14	2-11-14	
Endrin Ketone	<b>0.045</b>	0.023	EPA 8081B	2-7-14	2-11-14	P
Toxaphene	<b>ND</b>	0.056	EPA 8081B	2-7-14	2-11-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>46</i>	<i>39-93</i>				
<i>DCB</i>	<i>72</i>	<i>31-108</i>				

Date of Report: February 26, 2014  
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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 METHOD BLANK QUALITY CONTROL**

Matrix: Water  
 Units: ug/L (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0207W1					
alpha-BHC	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
gamma-BHC	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
beta-BHC	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
delta-BHC	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Heptachlor	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Aldrin	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Heptachlor Epoxide	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
gamma-Chlordane	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
alpha-Chlordane	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
4,4'-DDE	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Endosulfan I	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Dieldrin	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Endrin	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
4,4'-DDD	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Endosulfan II	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
4,4'-DDT	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Endrin Aldehyde	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Methoxychlor	ND	0.010	EPA 8081B	2-7-14	2-7-14	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	2-7-14	2-7-14	
Endrin Ketone	ND	0.020	EPA 8081B	2-7-14	2-7-14	
Toxaphene	ND	0.050	EPA 8081B	2-7-14	2-7-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>58</i>	<i>39-93</i>				
<i>DCB</i>	<i>73</i>	<i>31-108</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 SB/SBD QUALITY CONTROL**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Recovery	Limit			
<b>SPIKE BLANKS</b>											
Laboratory ID:	SB0207W1										
	SB	SBD	SB	SBD		SB	SBD				
gamma-BHC	<b>0.0428</b>	<b>0.0412</b>	0.0500	0.0500	N/A	<b>86</b>	<b>82</b>	32-138	4	15	
Heptachlor	<b>0.0391</b>	<b>0.0394</b>	0.0500	0.0500	N/A	<b>78</b>	<b>79</b>	50-124	1	15	
Aldrin	<b>0.0371</b>	<b>0.0382</b>	0.0500	0.0500	N/A	<b>74</b>	<b>76</b>	43-133	3	15	
Dieldrin	<b>0.102</b>	<b>0.0976</b>	0.125	0.125	N/A	<b>81</b>	<b>78</b>	48-128	4	15	
Endrin	<b>0.105</b>	<b>0.102</b>	0.125	0.125	N/A	<b>84</b>	<b>82</b>	48-139	3	15	
4,4'-DDT	<b>0.103</b>	<b>0.101</b>	0.125	0.125	N/A	<b>82</b>	<b>80</b>	52-129	2	15	
Surrogate:											
TCMX						68	70	39-93			
DCB						91	88	31-108			

Date of Report: February 26, 2014  
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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-1-40-S</b>					
Laboratory ID:	02-040-02					
alpha-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	47	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	30	5.6	EPA 8081B	2-18-14	2-19-14	
Dieldrin	1300	110	EPA 8081B	2-18-14	2-21-14	
Endrin	31	11	EPA 8081B	2-18-14	2-19-14	P
4,4'-DDD	26	11	EPA 8081B	2-18-14	2-19-14	P
Endosulfan II	23	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	1200	110	EPA 8081B	2-18-14	2-21-14	
Endrin Aldehyde	14	11	EPA 8081B	2-18-14	2-19-14	P
Methoxychlor	150	11	EPA 8081B	2-18-14	2-19-14	P
Endosulfan Sulfate	13	11	EPA 8081B	2-18-14	2-19-14	P
Endrin Ketone	46	11	EPA 8081B	2-18-14	2-19-14	P
Toxaphene	1700	56	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	79	37-110				
DCB	94	42-114				

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**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-3-40-S</b>					
Laboratory ID:	02-040-04					
alpha-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.6	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	11	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	56	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	82	37-110				
DCB	99	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-2-40-S</b>					
Laboratory ID:	02-040-06					
alpha-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	31	12	EPA 8081B	2-18-14	2-19-14	P
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	130	58	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	103	42-114				



Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-4-40-S</b>					
Laboratory ID:	02-040-08					
alpha-BHC	ND	5.7	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.7	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.7	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.7	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.7	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.7	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.7	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.7	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	11	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	57	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	96	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-5-40-S</b>					
Laboratory ID:	02-040-10					
alpha-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	35	12	EPA 8081B	2-18-14	2-19-14	P
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	3200	120	EPA 8081B	2-18-14	2-21-14	
Endosulfan I	300	5.8	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	240	12	EPA 8081B	2-18-14	2-19-14	P
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	190	12	EPA 8081B	2-18-14	2-19-14	P
4,4'-DDT	42000	1200	EPA 8081B	2-18-14	2-21-14	
Endrin Aldehyde	270	12	EPA 8081B	2-18-14	2-19-14	P
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	320	12	EPA 8081B	2-18-14	2-19-14	P
Endrin Ketone	13	12	EPA 8081B	2-18-14	2-19-14	P
Toxaphene	43000	5800	EPA 8081B	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	87	37-110				
DCB	87	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-6-40-S</b>					
Laboratory ID:	02-040-12					
alpha-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	11	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	55	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	85	37-110				
<i>DCB</i>	99	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-7-30-S</b>					
Laboratory ID:	02-040-14					
alpha-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	670	110	EPA 8081B	2-18-14	2-21-14	
Endosulfan I	ND	5.5	EPA 8081B	2-18-14	2-19-14	
Dieldrin	21	11	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	910	110	EPA 8081B	2-18-14	2-21-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	11	EPA 8081B	2-18-14	2-19-14	
Toxaphene	810	55	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	88	37-110				
DCB	101	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-7-40-S</b>					
Laboratory ID:	02-040-15					
alpha-BHC	ND	5.4	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.4	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.4	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.4	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.4	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.4	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.4	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.4	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	11	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	11	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	11	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	11	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	11	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	54	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	87	37-110				
DCB	101	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-8-40-S</b>					
Laboratory ID:	02-040-17					
alpha-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	6.1	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	61	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	81	37-110				
DCB	95	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-8-12-S</b>					
Laboratory ID:	02-040-20					
alpha-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	6.2	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	62	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	77	37-110				
DCB	94	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-40-S</b>					
Laboratory ID:	02-040-26					
alpha-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.8	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	58	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	100	42-114				



Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-13-40-S</b>					
Laboratory ID:	02-040-27					
alpha-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	59	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>79</i>	<i>37-110</i>				
<i>DCB</i>	<i>95</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-14-40-S</b>					
Laboratory ID:	02-040-30					
alpha-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	6.1	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	6.1	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	61	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	87	37-110				
DCB	103	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-17-40-S</b>					
Laboratory ID:	02-040-36					
alpha-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	6.2	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	6.2	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	62	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	102	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-40-S</b>					
Laboratory ID:	02-040-39					
alpha-BHC	ND	6.0	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	6.0	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	6.0	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	6.0	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	6.0	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	6.0	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	6.0	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	6.0	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	60	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	76	37-110				
DCB	90	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-15-40-S</b>					
Laboratory ID:	02-040-41					
alpha-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	12	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.9	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	12	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	66	12	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	12	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	12	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	12	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	12	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	59	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	80	37-110				
DCB	95	42-114				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0218S2					
alpha-BHC	ND	5.0	EPA 8081B	2-18-14	2-19-14	
gamma-BHC	ND	5.0	EPA 8081B	2-18-14	2-19-14	
beta-BHC	ND	5.0	EPA 8081B	2-18-14	2-19-14	
delta-BHC	ND	5.0	EPA 8081B	2-18-14	2-19-14	
Heptachlor	ND	5.0	EPA 8081B	2-18-14	2-19-14	
Aldrin	ND	5.0	EPA 8081B	2-18-14	2-19-14	
Heptachlor Epoxide	ND	5.0	EPA 8081B	2-18-14	2-19-14	
gamma-Chlordane	ND	10	EPA 8081B	2-18-14	2-19-14	
alpha-Chlordane	ND	10	EPA 8081B	2-18-14	2-19-14	
4,4'-DDE	ND	10	EPA 8081B	2-18-14	2-19-14	
Endosulfan I	ND	5.0	EPA 8081B	2-18-14	2-19-14	
Dieldrin	ND	10	EPA 8081B	2-18-14	2-19-14	
Endrin	ND	10	EPA 8081B	2-18-14	2-19-14	
4,4'-DDD	ND	10	EPA 8081B	2-18-14	2-19-14	
Endosulfan II	ND	10	EPA 8081B	2-18-14	2-19-14	
4,4'-DDT	ND	10	EPA 8081B	2-18-14	2-19-14	
Endrin Aldehyde	ND	10	EPA 8081B	2-18-14	2-19-14	
Methoxychlor	ND	10	EPA 8081B	2-18-14	2-19-14	
Endosulfan Sulfate	ND	10	EPA 8081B	2-18-14	2-19-14	
Endrin Ketone	ND	10	EPA 8081B	2-18-14	2-19-14	
Toxaphene	ND	50	EPA 8081B	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>89</i>	<i>37-110</i>				
<i>DCB</i>	<i>98</i>	<i>42-114</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Recovery	Limits		Limit	
<b>MATRIX SPIKES</b>											
Laboratory ID:	02-040-41										
	MS	MSD	MS	MSD		MS	MSD				
gamma-BHC	37.5	34.6	50.0	50.0	ND	75	69	45-117	8	15	
Heptachlor	39.6	36.7	50.0	50.0	ND	79	73	57-101	8	16	
Aldrin	38.6	35.7	50.0	50.0	ND	77	71	50-119	8	16	
Dieldrin	92.6	86.2	125	125	ND	74	69	45-110	7	17	
Endrin	87.6	81.4	125	125	ND	70	65	56-117	7	18	
4,4'-DDT	141	130	125	125	55.6	68	59	46-110	8	21	
Surrogate:											
TCMX						78	75	37-110			
DCB						91	87	42-114			

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-1-18-S</b>					
Laboratory ID:	02-040-01					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	ND	0.063	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	ND	0.063	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	ND	0.063	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>72</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>73</i>	<i>29 - 110</i>				



Date of Report: February 26, 2014  
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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-3-18-S</b>					
Laboratory ID:	02-040-03					
Dichlorvos(DDVP)	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	<b>ND</b>	0.057	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	<b>ND</b>	0.057	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	<b>ND</b>	0.057	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>63</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>64</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-2-18-S</b>					
Laboratory ID:	02-040-05					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>62</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>63</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-4-18-S</b>					
Laboratory ID:	02-040-07					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	ND	0.058	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>61</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>63</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-5-18-S</b>					
Laboratory ID:	02-040-09					
Dichlorvos(DDVP)	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	<b>ND</b>	0.056	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	<b>ND</b>	0.056	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	<b>0.077</b>	0.056	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	<b>0.025</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	<b>0.023</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>66</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>102</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-6-18-S</b>					
Laboratory ID:	02-040-11					
Dichlorvos(DDVP)	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	<b>ND</b>	0.058	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	<b>ND</b>	0.058	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	<b>ND</b>	0.058	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>74</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>76</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-7-18-S</b>					
Laboratory ID:	02-040-13					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	ND	0.062	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	ND	0.062	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	ND	0.062	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>70</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>73</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-8-18-S</b>					
Laboratory ID:	02-040-16					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	63	16 - 107				
<i>Triphenyl phosphate</i>	68	29 - 110				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-9-18-S</b>					
Laboratory ID:	02-040-18					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>72</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>75</i>	<i>29 - 110</i>				



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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-10-18-S</b>					
Laboratory ID:	02-040-21					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.054	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.054	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.054	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>67</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>70</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-11-18-S</b>					
Laboratory ID:	02-040-23					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>81</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>82</i>	<i>29 - 110</i>				

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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-18-S</b>					
Laboratory ID:	02-040-25					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>65</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>66</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-13-18-S</b>					
Laboratory ID:	02-040-28					
Dichlorvos(DDVP)	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	<b>ND</b>	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	<b>ND</b>	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	<b>ND</b>	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	<b>ND</b>	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>76</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>78</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-14-18-S</b>					
Laboratory ID:	02-040-29					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>77</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>74</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-17-18-S</b>					
Laboratory ID:	02-040-35					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.057	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>71</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>71</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-16-12-S</b>					
Laboratory ID:	02-040-37					
Dichlorvos(DDVP)	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	<b>ND</b>	0.065	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	<b>ND</b>	0.065	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	<b>ND</b>	0.065	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	<b>ND</b>	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>81</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>78</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-16-18-S</b>					
Laboratory ID:	02-040-38					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>73</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>74</i>	<i>29 - 110</i>				



Date of Report: February 26, 2014  
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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-15-18-S</b>					
Laboratory ID:	02-040-40					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>72</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>72</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-230-S</b>					
Laboratory ID:	02-040-42					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.062	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.062	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.062	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	79	16 - 107				
<i>Triphenyl phosphate</i>	79	29 - 110				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-122-S</b>					
Laboratory ID:	02-040-43					
Dichlorvos(DDVP)	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Mevinphos/Phosdrin	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Ethoprophos	0.11	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Monocrotophos	ND	0.064	EPA 8270D/SIM	2-11-14	2-13-14	
Naled	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Sulfotepp	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Phorate	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Dimethoate	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Demeton-S	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Diazinon	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Disulfoton	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-methyl	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Malathion	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Fenthion	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Parathion-ethyl	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Trichloronate	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Merphos&Merphos-oxone	ND	0.064	EPA 8270D/SIM	2-11-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Tokuthion/Prothiofos	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Fensulfothion	ND	0.064	EPA 8270D/SIM	2-11-14	2-13-14	
Bolstar/Sulprofos	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
EPN	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
Coumaphos	ND	0.026	EPA 8270D/SIM	2-11-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	90	16 - 107				
<i>Triphenyl phosphate</i>	73	29 - 110				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-144-S</b>					
Laboratory ID:	02-040-44					
Dichlorvos(DDVP)	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Mevinphos/Phosdrin	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Ethoprophos	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Monocrotophos	ND	0.064	EPA 8270D/SIM	2-12-14	2-13-14	
Naled	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Sulfotepp	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Phorate	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Dimethoate	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Demeton-S	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Diazinon	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Disulfoton	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Parathion-methyl	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Malathion	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Fenthion	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Parathion-ethyl	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Trichloronate	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Merphos&Merphos-oxone	ND	0.064	EPA 8270D/SIM	2-12-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Tokuthion/Prothiofos	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Fensulfothion	ND	0.064	EPA 8270D/SIM	2-12-14	2-13-14	
Bolstar/Sulprofos	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
EPN	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
Coumaphos	ND	0.026	EPA 8270D/SIM	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>74</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>70</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0211S1					
Dichlorvos(DDVP)	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Mevinphos/Phosdrin	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Ethoprophos	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Monocrotophos	ND	0.050	EPA 8270D/SIM	2-11-14	2-12-14	
Naled	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Sulfotepp	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Phorate	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Dimethoate	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Demeton-S	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Diazinon	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Disulfoton	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-methyl	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Malathion	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Fenthion	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Parathion-ethyl	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Trichloronate	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Merphos&Merphos-oxone	ND	0.050	EPA 8270D/SIM	2-11-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Tokuthion/Prothiofos	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Fensulfothion	ND	0.050	EPA 8270D/SIM	2-11-14	2-12-14	
Bolstar/Sulprofos	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
EPN	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
Coumaphos	ND	0.020	EPA 8270D/SIM	2-11-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>71</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>77</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0212S1					
Dichlorvos(DDVP)	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Mevinphos/Phosdrin	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Ethoprophos	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Monocrotophos	ND	0.050	EPA 8270D/SIM	2-12-14	2-13-14	
Naled	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Sulfotepp	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Phorate	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Dimethoate	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Demeton-S	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Diazinon	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Disulfoton	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Parathion-methyl	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Fenchlorphos/Ronnel	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Malathion	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Fenthion	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Parathion-ethyl	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Chlorpyrifos/Dursban	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Trichloronate	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Merphos&Merphos-oxone	ND	0.050	EPA 8270D/SIM	2-12-14	2-13-14	
Stirofos/Tetrachlorvinphos	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Tokuthion/Prothiofos	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Fensulfothion	ND	0.050	EPA 8270D/SIM	2-12-14	2-13-14	
Bolstar/Sulprofos	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
EPN	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Azinphos-methyl/Guthion	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
Coumaphos	ND	0.020	EPA 8270D/SIM	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>78</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>83</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
	SB	SBD	SB	SBD	SB	SBD				
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0211S1									
Dichlorvos(DDVP)	<b>0.0924</b>	<b>0.0855</b>	0.100	0.100	92	86	30 - 94	8	30	
Mevinphos/Phosdrin	<b>0.0815</b>	<b>0.0714</b>	0.100	0.100	82	71	10 - 121	13	30	
Ethoprophos	<b>0.0875</b>	<b>0.0837</b>	0.100	0.100	88	84	32 - 110	4	30	
Sulfotepp	<b>0.0741</b>	<b>0.0698</b>	0.100	0.100	74	70	39 - 96	6	30	
Phorate	<b>0.0831</b>	<b>0.0809</b>	0.100	0.100	83	81	39 - 98	3	30	
Dimethoate	<b>0.0914</b>	<b>0.0884</b>	0.100	0.100	91	88	16 - 128	3	30	
Demeton-S	<b>0.0856</b>	<b>0.0821</b>	0.100	0.100	86	82	21 - 112	4	30	
Diazinon	<b>0.0826</b>	<b>0.0784</b>	0.100	0.100	83	78	37 - 93	5	30	
Disulfoton	<b>0.0830</b>	<b>0.0795</b>	0.100	0.100	83	80	38 - 98	4	30	
Parathion-methyl	<b>0.0853</b>	<b>0.0819</b>	0.100	0.100	85	82	37 - 98	4	30	
Fenchlorphos/Ronnel	<b>0.0782</b>	<b>0.0738</b>	0.100	0.100	78	74	39 - 102	6	30	
Malathion	<b>0.0864</b>	<b>0.0831</b>	0.100	0.100	86	83	10 - 168	4	30	
Fenthion	<b>0.0774</b>	<b>0.0708</b>	0.100	0.100	77	71	40 - 100	9	30	
Parathion-ethyl	<b>0.0872</b>	<b>0.0841</b>	0.100	0.100	87	84	33 - 100	4	30	
Chlorpyrifos/Dursban	<b>0.0830</b>	<b>0.0791</b>	0.100	0.100	83	79	41 - 100	5	30	
Trichloronate	<b>0.0763</b>	<b>0.0721</b>	0.100	0.100	76	72	38 - 101	6	30	
Stirofos/Tetrachlorvinphos	<b>0.0833</b>	<b>0.0801</b>	0.100	0.100	83	80	10 - 172	4	30	
Tokuthion/Prothiofos	<b>0.0898</b>	<b>0.0880</b>	0.100	0.100	90	88	41 - 101	2	30	
Fensulfothion	<b>0.0843</b>	<b>0.0778</b>	0.100	0.100	84	78	10 - 131	8	30	
Bolstar/Sulprofos	<b>0.0825</b>	<b>0.0799</b>	0.100	0.100	83	80	39 - 103	3	30	
EPN	<b>0.0825</b>	<b>0.0809</b>	0.100	0.100	83	81	38 - 106	2	30	
Azinphos-methyl/Guthion	<b>0.0824</b>	<b>0.0792</b>	0.100	0.100	82	79	10 - 177	4	30	
Coumaphos	<b>0.0869</b>	<b>0.0841</b>	0.100	0.100	87	84	10 - 165	3	30	
<i>Surrogate:</i>										
<i>Tributyl phosphate</i>					87	83	16 - 107			
<i>Triphenyl phosphate</i>					89	84	29 - 110			

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
<b>MATRIX SPIKES</b>											
Laboratory ID:	02-040-05										
	MS	MSD	MS	MSD		MS	MSD				
Dichlorvos(DDVP)	0.0778	0.0773	0.100	0.100	ND	78	77	30 - 94	1	30	
Mevinphos/Phosdrin	0.0729	0.0723	0.100	0.100	ND	73	72	10 - 121	1	30	
Ethoprophos	0.0751	0.0724	0.100	0.100	ND	75	72	32 - 110	4	30	
Sulfotepp	0.0629	0.0631	0.100	0.100	ND	63	63	39 - 96	0	30	
Phorate	0.0735	0.0716	0.100	0.100	ND	74	72	39 - 98	3	30	
Dimethoate	0.0817	0.0806	0.100	0.100	ND	82	81	16 - 128	1	30	
Demeton-S	0.0741	0.0756	0.100	0.100	ND	74	76	21 - 112	2	30	
Diazinon	0.0704	0.0700	0.100	0.100	ND	70	70	37 - 93	1	30	
Disulfoton	0.0736	0.0716	0.100	0.100	ND	74	72	38 - 98	3	30	
Parathion-methyl	0.0744	0.0723	0.100	0.100	ND	74	72	37 - 98	3	30	
Fenchlorphos/Ronnel	0.0655	0.0641	0.100	0.100	ND	66	64	39 - 102	2	30	
Malathion	0.106	0.0750	0.100	0.100	ND	106	75	10 - 168	34	30	L
Fenthion	0.0651	0.0642	0.100	0.100	ND	65	64	40 - 100	1	30	
Parathion-ethyl	0.0756	0.0754	0.100	0.100	ND	76	75	33 - 100	0	30	
Chlorpyrifos/Dursban	0.0681	0.0669	0.100	0.100	ND	68	67	41 - 100	2	30	
Trichloronate	0.0641	0.0641	0.100	0.100	ND	64	64	38 - 101	0	30	
Stirofos/Tetrachlorvinphos	0.0737	0.0727	0.100	0.100	ND	74	73	10 - 172	1	30	
Tokuthion/Prothiofos	0.0754	0.0756	0.100	0.100	ND	75	76	41 - 101	0	30	
Fensulfothion	0.0803	0.0783	0.100	0.100	ND	80	78	10 - 131	3	30	
Bolstar/Sulprofos	0.0724	0.0723	0.100	0.100	ND	72	72	39 - 103	0	30	
EPN	0.0765	0.0769	0.100	0.100	ND	77	77	38 - 106	1	30	
Azinphos-methyl/Guthion	0.0725	0.0738	0.100	0.100	ND	73	74	10 - 177	2	30	
Coumaphos	0.0738	0.0753	0.100	0.100	ND	74	75	10 - 165	2	30	
<i>Surrogate:</i>											
						75	71	16 - 107			
						73	72	29 - 110			



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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
	SB	SBD	SB	SBD	SB	SBD				
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0212S1									
Dichlorvos(DDVP)	<b>0.0833</b>	<b>0.0886</b>	0.100	0.100	83	89	30 - 94	6	30	
Mevinphos/Phosdrin	<b>0.0752</b>	<b>0.0765</b>	0.100	0.100	75	77	10 - 121	2	30	
Ethoprophos	<b>0.0858</b>	<b>0.0908</b>	0.100	0.100	86	91	32 - 110	6	30	
Sulfotepp	<b>0.0696</b>	<b>0.0700</b>	0.100	0.100	70	70	39 - 96	1	30	
Phorate	<b>0.0823</b>	<b>0.0894</b>	0.100	0.100	82	89	39 - 98	8	30	
Dimethoate	<b>0.0917</b>	<b>0.0962</b>	0.100	0.100	92	96	16 - 128	5	30	
Demeton-S	<b>0.0778</b>	<b>0.0929</b>	0.100	0.100	78	93	21 - 112	18	30	
Diazinon	<b>0.0740</b>	<b>0.0841</b>	0.100	0.100	74	84	37 - 93	13	30	
Disulfoton	<b>0.0777</b>	<b>0.0905</b>	0.100	0.100	78	91	38 - 98	15	30	
Parathion-methyl	<b>0.0820</b>	<b>0.0863</b>	0.100	0.100	82	86	37 - 98	5	30	
Fenchlorphos/Ronnel	<b>0.0712</b>	<b>0.0745</b>	0.100	0.100	71	75	39 - 102	5	30	
Malathion	<b>0.0820</b>	<b>0.0844</b>	0.100	0.100	82	84	10 - 168	3	30	
Fenthion	<b>0.0656</b>	<b>0.0701</b>	0.100	0.100	66	70	40 - 100	7	30	
Parathion-ethyl	<b>0.0872</b>	<b>0.0888</b>	0.100	0.100	87	89	33 - 100	2	30	
Chlorpyrifos/Dursban	<b>0.0788</b>	<b>0.0831</b>	0.100	0.100	79	83	41 - 100	5	30	
Trichloronate	<b>0.0689</b>	<b>0.0719</b>	0.100	0.100	69	72	38 - 101	4	30	
Stirofos/Tetrachlorvinphos	<b>0.0735</b>	<b>0.0753</b>	0.100	0.100	74	75	10 - 172	2	30	
Tokuthion/Prothiofos	<b>0.0880</b>	<b>0.0923</b>	0.100	0.100	88	92	41 - 101	5	30	
Fensulfothion	<b>0.0697</b>	<b>0.0699</b>	0.100	0.100	70	70	10 - 131	0	30	
Bolstar/Sulprofos	<b>0.0788</b>	<b>0.0833</b>	0.100	0.100	79	83	39 - 103	6	30	
EPN	<b>0.0755</b>	<b>0.0770</b>	0.100	0.100	76	77	38 - 106	2	30	
Azinphos-methyl/Guthion	<b>0.0790</b>	<b>0.0834</b>	0.100	0.100	79	83	10 - 177	5	30	
Coumaphos	<b>0.0806</b>	<b>0.0837</b>	0.100	0.100	81	84	10 - 165	4	30	
<i>Surrogate:</i>										
<i>Tributyl phosphate</i>					88	92	16 - 107			
<i>Triphenyl phosphate</i>					88	93	29 - 110			

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-3-GW</b>					
Laboratory ID:	02-040-31					
Dichlorvos(DDVP)	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Mevinphos/Phosdrin	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Ethoprophos	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Monocrotophos	<b>ND</b>	0.60	EPA 8270D/SIM	2-10-14	2-12-14	
Naled	<b>ND</b>	0.60	EPA 8270D/SIM	2-10-14	2-12-14	
Sulfotepp	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Phorate	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Dimethoate	<b>ND</b>	0.60	EPA 8270D/SIM	2-10-14	2-12-14	
Demeton-S	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Diazinon	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Disulfoton	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-methyl	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Fenclorphos/Ronnel	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Malathion	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Fenthion	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-ethyl	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Trichloronate	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Merphos&Merphos-oxone	<b>ND</b>	0.60	EPA 8270D/SIM	2-10-14	2-12-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Tokuthion/Prothiofos	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Fensulfothion	<b>ND</b>	0.60	EPA 8270D/SIM	2-10-14	2-12-14	
Bolstar/Sulprofos	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
EPN	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.60	EPA 8270D/SIM	2-10-14	2-12-14	
Coumaphos	<b>ND</b>	0.24	EPA 8270D/SIM	2-10-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>91</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>86</i>	<i>52 - 137</i>				

Date of Report: February 26, 2014  
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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-8-GW</b>					
Laboratory ID:	02-040-32					
Dichlorvos(DDVP)	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Mevinphos/Phosdrin	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Ethoprophos	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Monocrotophos	ND	0.54	EPA 8270D/SIM	2-10-14	2-12-14	
Naled	ND	0.54	EPA 8270D/SIM	2-10-14	2-12-14	
Sulfotepp	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Phorate	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Dimethoate	ND	0.54	EPA 8270D/SIM	2-10-14	2-12-14	
Demeton-S	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Diazinon	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Disulfoton	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-methyl	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Malathion	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Fenthion	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-ethyl	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Trichloronate	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Merphos&Merphos-oxone	ND	0.54	EPA 8270D/SIM	2-10-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Tokuthion/Prothiofos	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Fensulfothion	ND	0.54	EPA 8270D/SIM	2-10-14	2-12-14	
Bolstar/Sulprofos	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
EPN	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.54	EPA 8270D/SIM	2-10-14	2-12-14	
Coumaphos	ND	0.22	EPA 8270D/SIM	2-10-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>84</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>84</i>	<i>52 - 137</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-GW</b>					
Laboratory ID:	02-040-33					
Dichlorvos(DDVP)	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Mevinphos/Phosdrin	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Ethoprophos	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Monocrotophos	ND	0.69	EPA 8270D/SIM	2-10-14	2-12-14	
Naled	ND	0.69	EPA 8270D/SIM	2-10-14	2-12-14	
Sulfotepp	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Phorate	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Dimethoate	ND	0.69	EPA 8270D/SIM	2-10-14	2-12-14	
Demeton-S	1.4	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Diazinon	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Disulfoton	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-methyl	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Malathion	7.4	1.4	EPA 8270D/SIM	2-10-14	2-12-14	
Fenthion	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-ethyl	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Trichloronate	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Merphos&Merphos-oxone	ND	0.69	EPA 8270D/SIM	2-10-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Tokuthion/Prothiofos	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Fensulfothion	ND	0.69	EPA 8270D/SIM	2-10-14	2-12-14	
Bolstar/Sulprofos	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
EPN	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.69	EPA 8270D/SIM	2-10-14	2-12-14	
Coumaphos	ND	0.28	EPA 8270D/SIM	2-10-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>94</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>82</i>	<i>52 - 137</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-16-GW</b>					
Laboratory ID:	02-040-34					
Dichlorvos(DDVP)	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Mevinphos/Phosdrin	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Ethoprophos	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Monocrotophos	ND	0.62	EPA 8270D/SIM	2-10-14	2-12-14	
Naled	ND	0.62	EPA 8270D/SIM	2-10-14	2-12-14	
Sulfotepp	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Phorate	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Dimethoate	1.4	0.62	EPA 8270D/SIM	2-10-14	2-12-14	
Demeton-S	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Diazinon	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Disulfoton	3.1	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-methyl	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Fenchlorphos/Ronnel	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Malathion	55	4.9	EPA 8270D/SIM	2-10-14	2-13-14	
Fenthion	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Parathion-ethyl	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Chlorpyrifos/Dursban	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Trichloronate	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Merphos&Merphos-oxone	1.6	0.62	EPA 8270D/SIM	2-10-14	2-12-14	
Stirofos/Tetrachlorvinphos	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Tokuthion/Prothiofos	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Fensulfothion	ND	0.62	EPA 8270D/SIM	2-10-14	2-12-14	
Bolstar/Sulprofos	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
EPN	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
Azinphos-methyl/Guthion	ND	0.62	EPA 8270D/SIM	2-10-14	2-12-14	
Coumaphos	ND	0.25	EPA 8270D/SIM	2-10-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>84</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>78</i>	<i>52 - 137</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0210W1					
Dichlorvos(DDVP)	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Mevinphos/Phosdrin	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Ethoprophos	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Monocrotophos	ND	0.50	EPA 8270D/SIM	2-10-14	2-11-14	
Naled	ND	0.50	EPA 8270D/SIM	2-10-14	2-11-14	
Sulfotepp	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Phorate	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Dimethoate	ND	0.50	EPA 8270D/SIM	2-10-14	2-11-14	
Demeton-S	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Diazinon	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Disulfoton	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Parathion-methyl	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Fenclorphos/Ronnel	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Malathion	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Fenthion	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Parathion-ethyl	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Chlorpyrifos/Dursban	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Trichloronate	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Merphos&Merphos-oxone	ND	0.50	EPA 8270D/SIM	2-10-14	2-11-14	
Stirofos/Tetrachlorvinphos	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Tokuthion/Prothiofos	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Fensulfothion	ND	0.50	EPA 8270D/SIM	2-10-14	2-11-14	
Bolstar/Sulprofos	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
EPN	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
Azinphos-methyl/Guthion	ND	0.50	EPA 8270D/SIM	2-10-14	2-11-14	
Coumaphos	ND	0.20	EPA 8270D/SIM	2-10-14	2-11-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>73</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>70</i>	<i>52 - 137</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 SPIKE BLANK QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
	SB	SBD	SB	SBD	SB	SBD				
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0210W1									
Dichlorvos(DDVP)	<b>0.758</b>	<b>0.705</b>	1.00	1.00	76	71	60 - 120	7	30	
Mevinphos/Phosdrin	<b>0.721</b>	<b>0.707</b>	1.00	1.00	72	71	60 - 120	2	30	
Ethoprophos	<b>0.751</b>	<b>0.719</b>	1.00	1.00	75	72	60 - 120	4	30	
Sulfotepp	<b>0.776</b>	<b>0.706</b>	1.00	1.00	78	71	60 - 120	9	30	
Phorate	<b>0.683</b>	<b>0.664</b>	1.00	1.00	68	66	60 - 120	3	30	
Dimethoate	<b>0.270</b>	<b>0.334</b>	1.00	1.00	27	33	25 - 100	10	30	
Demeton-S	<b>0.794</b>	<b>0.788</b>	1.00	1.00	79	79	60 - 120	1	30	
Diazinon	<b>0.788</b>	<b>0.791</b>	1.00	1.00	79	79	60 - 120	0	30	
Disulfoton	<b>0.702</b>	<b>0.703</b>	1.00	1.00	70	70	60 - 120	0	30	
Parathion-methyl	<b>0.740</b>	<b>0.739</b>	1.00	1.00	74	74	60 - 120	0	30	
Fenchlorphos/Ronnel	<b>0.662</b>	<b>0.653</b>	1.00	1.00	66	65	60 - 120	1	30	
Malathion	<b>0.827</b>	<b>0.832</b>	1.00	1.00	83	83	60 - 120	1	30	
Fenthion	<b>0.790</b>	<b>0.787</b>	1.00	1.00	79	79	60 - 120	0	30	
Parathion-ethyl	<b>0.767</b>	<b>0.768</b>	1.00	1.00	77	77	60 - 120	0	30	
Chlorpyrifos/Dursban	<b>0.670</b>	<b>0.681</b>	1.00	1.00	67	68	60 - 120	2	30	
Trichloronate	<b>0.661</b>	<b>0.649</b>	1.00	1.00	66	65	30 - 100	2	30	
Stirofos/Tetrachlorvinphos	<b>0.828</b>	<b>0.823</b>	1.00	1.00	83	82	60 - 120	1	30	
Tokuthion/Prothiofos	<b>0.757</b>	<b>0.771</b>	1.00	1.00	76	77	60 - 120	2	30	
Fensulfothion	<b>0.884</b>	<b>0.847</b>	1.00	1.00	88	85	60 - 120	4	30	
Bolstar/Sulprofos	<b>0.709</b>	<b>0.729</b>	1.00	1.00	71	73	60 - 120	3	30	
EPN	<b>0.745</b>	<b>0.736</b>	1.00	1.00	75	74	60 - 130	1	30	
Azinphos-methyl/Guthion	<b>0.807</b>	<b>0.844</b>	1.00	1.00	81	84	60 - 120	4	30	
Coumaphos	<b>0.802</b>	<b>0.826</b>	1.00	1.00	80	83	60 - 120	3	30	
<i>Surrogate:</i>										
<i>Tributyl phosphate</i>					79	76	54 - 118			
<i>Triphenyl phosphate</i>					81	82	52 - 137			

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-1-40-S</b>					
Laboratory ID:	02-040-02					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>49</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>62</i>	<i>29 - 110</i>				



Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-3-40-S</b>					
Laboratory ID:	02-040-04					
Dichlorvos(DDVP)	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	<b>ND</b>	0.056	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	<b>ND</b>	0.056	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	<b>ND</b>	0.056	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	<b>ND</b>	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>43</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>50</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-2-40-S</b>					
Laboratory ID:	02-040-06					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>64</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>73</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-4-40-S</b>					
Laboratory ID:	02-040-08					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.057	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.057	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.057	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>61</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>70</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-5-40-S</b>					
Laboratory ID:	02-040-10					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	<b>0.12</b>	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>51</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>88</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-6-40-S</b>					
Laboratory ID:	02-040-12					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>69</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>70</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-7-30-S</b>					
Laboratory ID:	02-040-14					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>82</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>85</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-7-40-S</b>					
Laboratory ID:	02-040-15					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.054	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.054	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.054	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	76	16 - 107				
<i>Triphenyl phosphate</i>	80	29 - 110				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-8-40-S</b>					
Laboratory ID:	02-040-17					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.061	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.061	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.061	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>72</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>72</i>	<i>29 - 110</i>				



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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-8-12-S</b>					
Laboratory ID:	02-040-20					
Dichlorvos(DDVP)	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	<b>ND</b>	0.062	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	<b>ND</b>	0.062	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	<b>ND</b>	0.062	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	<b>ND</b>	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>67</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>66</i>	<i>29 - 110</i>				

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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-40-S</b>					
Laboratory ID:	02-040-26					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.058	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>76</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>80</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-13-40-S</b>					
Laboratory ID:	02-040-27					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>79</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>79</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-14-40-S</b>					
Laboratory ID:	02-040-30					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.061	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.061	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.061	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>83</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>81</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-17-40-S</b>					
Laboratory ID:	02-040-36					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.062	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.062	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.062	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>70</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>68</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-16-40-S</b>					
Laboratory ID:	02-040-39					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Monocrotophos	ND	0.060	EPA 8270D/SIM	2-18-14	2-19-14	
Naled	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Phorate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Diazinon	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fenclorphos/Ronnel	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Malathion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fenthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Merphos&Merphos-oxone	ND	0.060	EPA 8270D/SIM	2-18-14	2-19-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Fensulfothion	ND	0.060	EPA 8270D/SIM	2-18-14	2-19-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
EPN	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-19-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	79	16 - 107				
<i>Triphenyl phosphate</i>	80	29 - 110				

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-15-40-S</b>					
Laboratory ID:	02-040-41					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	2-18-14	2-18-14	
Naled	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Phorate	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Diazinon	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Malathion	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Fenthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	2-18-14	2-18-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	2-18-14	2-18-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
EPN	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	2-18-14	2-18-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>68</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>73</i>	<i>29 - 110</i>				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0218S1					
Dichlorvos(DDVP)	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Mevinphos/Phosdrin	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Ethoprophos	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Monocrotophos	ND	0.050	EPA 8270D/SIM	2-18-14	2-18-14	
Naled	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Sulfotepp	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Phorate	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Dimethoate	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Demeton-S	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Diazinon	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Disulfoton	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Parathion-methyl	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Fenchlorphos/Ronnel	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Malathion	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Fenthion	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Parathion-ethyl	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Chlorpyrifos/Dursban	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Trichloronate	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Merphos&Merphos-oxone	ND	0.050	EPA 8270D/SIM	2-18-14	2-18-14	
Stirofos/Tetrachlorvinphos	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Tokuthion/Prothiofos	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Fensulfothion	ND	0.050	EPA 8270D/SIM	2-18-14	2-18-14	
Bolstar/Sulprofos	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
EPN	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Azinphos-methyl/Guthion	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
Coumaphos	ND	0.020	EPA 8270D/SIM	2-18-14	2-18-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>67</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>80</i>	<i>29 - 110</i>				



Date of Report: February 26, 2014  
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 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	SB	SBD	Limits	Limit		
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0218S1									
Dichlorvos(DDVP)	<b>0.0760</b>	<b>0.0743</b>	0.100	0.100	76	74	30 - 94	2	30	
Mevinphos/Phosdrin	<b>0.0698</b>	<b>0.0694</b>	0.100	0.100	70	69	10 - 121	1	30	
Ethoprophos	<b>0.0765</b>	<b>0.0807</b>	0.100	0.100	77	81	32 - 110	5	30	
Sulfotepp	<b>0.0792</b>	<b>0.0833</b>	0.100	0.100	79	83	39 - 96	5	30	
Phorate	<b>0.0773</b>	<b>0.0812</b>	0.100	0.100	77	81	39 - 98	5	30	
Dimethoate	<b>0.0841</b>	<b>0.0867</b>	0.100	0.100	84	87	16 - 128	3	30	
Demeton-S	<b>0.0735</b>	<b>0.0794</b>	0.100	0.100	74	79	21 - 112	8	30	
Diazinon	<b>0.0791</b>	<b>0.0829</b>	0.100	0.100	79	83	37 - 93	5	30	
Disulfoton	<b>0.0771</b>	<b>0.0807</b>	0.100	0.100	77	81	38 - 98	5	30	
Parathion-methyl	<b>0.0590</b>	<b>0.0634</b>	0.100	0.100	59	63	37 - 98	7	30	
Fenchlorphos/Ronnel	<b>0.0768</b>	<b>0.0794</b>	0.100	0.100	77	79	39 - 102	3	30	
Malathion	<b>0.0815</b>	<b>0.0849</b>	0.100	0.100	82	85	10 - 168	4	30	
Fenthion	<b>0.0771</b>	<b>0.0826</b>	0.100	0.100	77	83	40 - 100	7	30	
Parathion-ethyl	<b>0.0764</b>	<b>0.0807</b>	0.100	0.100	76	81	33 - 100	5	30	
Chlorpyrifos/Dursban	<b>0.0753</b>	<b>0.0769</b>	0.100	0.100	75	77	41 - 100	2	30	
Trichloronate	<b>0.0756</b>	<b>0.0781</b>	0.100	0.100	76	78	38 - 101	3	30	
Stirofos/Tetrachlorvinphos	<b>0.0776</b>	<b>0.0828</b>	0.100	0.100	78	83	10 - 172	6	30	
Tokuthion/Prothiofos	<b>0.0811</b>	<b>0.0850</b>	0.100	0.100	81	85	41 - 101	5	30	
Fensulfothion	<b>0.0712</b>	<b>0.0802</b>	0.100	0.100	71	80	10 - 131	12	30	
Bolstar/Sulprofos	<b>0.0772</b>	<b>0.0823</b>	0.100	0.100	77	82	39 - 103	6	30	
EPN	<b>0.0731</b>	<b>0.0800</b>	0.100	0.100	73	80	38 - 106	9	30	
Azinphos-methyl/Guthion	<b>0.0795</b>	<b>0.0866</b>	0.100	0.100	80	87	10 - 177	9	30	
Coumaphos	<b>0.0752</b>	<b>0.0810</b>	0.100	0.100	75	81	10 - 165	7	30	
<i>Surrogate:</i>										
<i>Tributyl phosphate</i>					79	80	16 - 107			
<i>Triphenyl phosphate</i>					86	89	29 - 110			

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit	Flags
<b>MATRIX SPIKES</b>										
Laboratory ID:	02-040-41									
	MS	MSD	MS	MSD		MS	MSD			
Dichlorvos(DDVP)	0.0661	0.0766	0.100	0.100	ND	66	77	30 - 94	15	30
Mevinphos/Phosdrin	0.0648	0.0760	0.100	0.100	ND	65	76	10 - 121	16	30
Ethoprophos	0.0637	0.0755	0.100	0.100	ND	64	76	32 - 110	17	30
Sulfotepp	0.0667	0.0793	0.100	0.100	ND	67	79	39 - 96	17	30
Phorate	0.0648	0.0745	0.100	0.100	ND	65	75	39 - 98	14	30
Dimethoate	0.0698	0.0821	0.100	0.100	ND	70	82	16 - 128	16	30
Demeton-S	0.0654	0.0770	0.100	0.100	ND	65	77	21 - 112	16	30
Diazinon	0.0672	0.0785	0.100	0.100	ND	67	79	37 - 93	16	30
Disulfoton	0.0635	0.0741	0.100	0.100	ND	64	74	38 - 98	15	30
Parathion-methyl	0.0526	0.0638	0.100	0.100	ND	53	64	37 - 98	19	30
Fenchlorphos/Ronnel	0.0629	0.0734	0.100	0.100	ND	63	73	39 - 102	15	30
Malathion	0.0696	0.0821	0.100	0.100	ND	70	82	10 - 168	16	30
Fenthion	0.0633	0.0771	0.100	0.100	ND	63	77	40 - 100	20	30
Parathion-ethyl	0.0674	0.0779	0.100	0.100	ND	67	78	33 - 100	14	30
Chlorpyrifos/Dursban	0.0608	0.0697	0.100	0.100	ND	61	70	41 - 100	14	30
Trichloronate	0.0626	0.0733	0.100	0.100	ND	63	73	38 - 101	16	30
Stirofos/Tetrachlorvinphos	0.0671	0.0789	0.100	0.100	ND	67	79	10 - 172	16	30
Tokuthion/Prothiofos	0.0658	0.0773	0.100	0.100	ND	66	77	41 - 101	16	30
Fensulfothion	0.0682	0.0829	0.100	0.100	ND	68	83	10 - 131	19	30
Bolstar/Sulprofos	0.0640	0.0758	0.100	0.100	ND	64	76	39 - 103	17	30
EPN	0.0658	0.0777	0.100	0.100	ND	43	55	38 - 106	17	30
Azinphos-methyl/Guthion	0.0699	0.0818	0.100	0.100	ND	70	82	10 - 177	16	30
Coumaphos	0.0628	0.0750	0.100	0.100	ND	63	75	10 - 165	18	30
<i>Surrogate:</i>										
						66	76	16 - 107		
						67	79	29 - 110		

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-1-18-S</b>					
Laboratory ID:	02-040-01					
Dalapon	ND	290	EPA 8151A	2-12-14	2-12-14	
Dicamba	ND	12	EPA 8151A	2-12-14	2-12-14	
MCPD	ND	1200	EPA 8151A	2-12-14	2-12-14	
MCPA	ND	1200	EPA 8151A	2-12-14	2-12-14	
Dichlorprop	ND	89	EPA 8151A	2-12-14	2-12-14	
2,4-D	ND	12	EPA 8151A	2-12-14	2-12-14	
Pentachlorophenol	ND	6.0	EPA 8151A	2-12-14	2-12-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-12-14	2-12-14	
2,4,5-T	ND	12	EPA 8151A	2-12-14	2-12-14	
2,4-DB	ND	12	EPA 8151A	2-12-14	2-12-14	
Dinoseb	110	12	EPA 8151A	2-12-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	89	29-94				
<b>Client ID:</b>	<b>SP-3-18-S</b>					
Laboratory ID:	02-040-03					
Dalapon	ND	260	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	80	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.4	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	64	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-2-18-S</b>					
Laboratory ID:	02-040-05					
Dalapon	ND	260	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	10	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	79	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	10	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	5.3	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-14-14	
Dinoseb	57	11	EPA 8151A	2-12-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	76	29-94				
<b>Client ID:</b>	<b>SP-4-18-S</b>					
Laboratory ID:	02-040-07					
Dalapon	ND	260	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	82	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.5	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	63	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-5-18-S</b>					
Laboratory ID:	02-040-09					
Dalapon	ND	260	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	80	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	5.4	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-14-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-14-14	

<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>
DCAA	80	29-94

<b>Client ID:</b>	<b>SP-6-18-S</b>					
Laboratory ID:	02-040-11					
Dalapon	ND	260	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-13-14	
MCPD	1100	1100	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	82	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.5	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	

<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>
DCAA	61	29-94

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-7-18-S</b>					
Laboratory ID:	02-040-13					
Dalapon	ND	280	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	12	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1200	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1200	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	88	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	12	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.9	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	12	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	12	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	12	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	52	29-94				
<b>Client ID:</b>	<b>SP-8-18-S</b>					
Laboratory ID:	02-040-16					
Dalapon	ND	250	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	10	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	77	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	10	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	5.2	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	10	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	10	EPA 8151A	2-12-14	2-14-14	
Dinoseb	ND	10	EPA 8151A	2-12-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	68	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-9-18-S</b>					
Laboratory ID:	02-040-18					
Dalapon	ND	250	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	10	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	78	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	10	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.2	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	10	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	10	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	10	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	53	29-94				
<b>Client ID:</b>	<b>SP-10-18-S</b>					
Laboratory ID:	02-040-21					
Dalapon	ND	250	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	10	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	77	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	10	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.2	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	10	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	10	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	10	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	52	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-11-18-S</b>					
Laboratory ID:	02-040-23					
Dalapon	ND	260	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	79	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.3	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	53	29-94				
<b>Client ID:</b>	<b>SP-12-18-S</b>					
Laboratory ID:	02-040-25					
Dalapon	ND	260	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	81	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.4	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	52	29-94				



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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-13-18-S</b>					
Laboratory ID:	02-040-28					
Dalapon	ND	260	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	81	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.5	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	55	29-94				
<b>Client ID:</b>	<b>SP-14-18-S</b>					
Laboratory ID:	02-040-29					
Dalapon	ND	250	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	10	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	79	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	10	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.3	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	56	29-94				

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 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-17-18-S</b>					
Laboratory ID:	02-040-35					
Dalapon	ND	260	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	81	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	5.4	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-14-14	
Dinoseb	ND	11	EPA 8151A	2-12-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	68	29-94				
<b>Client ID:</b>	<b>SP-16-12-S</b>					
Laboratory ID:	02-040-37					
Dalapon	ND	300	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	12	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1200	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1200	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	92	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	12	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	6.1	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	12	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	12	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	12	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	56	29-94				

Date of Report: February 26, 2014  
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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-18-S</b>					
Laboratory ID:	02-040-38					
Dalapon	ND	250	EPA 8151A	2-12-14	2-13-14	
Dicamba	ND	10	EPA 8151A	2-12-14	2-13-14	
MCPD	ND	1000	EPA 8151A	2-12-14	2-13-14	
MCPA	ND	1000	EPA 8151A	2-12-14	2-13-14	
Dichlorprop	ND	78	EPA 8151A	2-12-14	2-13-14	
2,4-D	ND	10	EPA 8151A	2-12-14	2-13-14	
Pentachlorophenol	ND	5.2	EPA 8151A	2-12-14	2-13-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-12-14	2-13-14	
2,4,5-T	ND	10	EPA 8151A	2-12-14	2-13-14	
2,4-DB	ND	10	EPA 8151A	2-12-14	2-13-14	
Dinoseb	ND	10	EPA 8151A	2-12-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	66	29-94				
<b>Client ID:</b>	<b>SP-15-18-S</b>					
Laboratory ID:	02-040-40					
Dalapon	ND	260	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	11	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1100	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1100	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	80	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	11	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	5.4	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	11	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	11	EPA 8151A	2-12-14	2-14-14	
Dinoseb	74	11	EPA 8151A	2-12-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	51	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-230-S</b>					
Laboratory ID:	02-040-42					
Dalapon	ND	290	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	12	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1200	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1200	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	88	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	12	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	5.9	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	12	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	12	EPA 8151A	2-12-14	2-14-14	
Dinoseb	47	12	EPA 8151A	2-12-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	58	29-94				
<b>Client ID:</b>	<b>SP-12-122-S</b>					
Laboratory ID:	02-040-43					
Dalapon	ND	300	EPA 8151A	2-12-14	2-14-14	
Dicamba	ND	12	EPA 8151A	2-12-14	2-14-14	
MCPD	ND	1200	EPA 8151A	2-12-14	2-14-14	
MCPA	ND	1200	EPA 8151A	2-12-14	2-14-14	
Dichlorprop	ND	91	EPA 8151A	2-12-14	2-14-14	
2,4-D	ND	12	EPA 8151A	2-12-14	2-14-14	
Pentachlorophenol	ND	6.1	EPA 8151A	2-12-14	2-14-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-12-14	2-14-14	
2,4,5-T	ND	12	EPA 8151A	2-12-14	2-14-14	
2,4-DB	ND	12	EPA 8151A	2-12-14	2-14-14	
Dinoseb	ND	12	EPA 8151A	2-12-14	2-14-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-12-144-S</b>					
Laboratory ID:	02-040-44					
Dalapon	<b>ND</b>	290	EPA 8151A	2-13-14	2-13-14	
Dicamba	<b>ND</b>	12	EPA 8151A	2-13-14	2-13-14	
MCPPP	<b>ND</b>	1200	EPA 8151A	2-13-14	2-13-14	
MCPA	<b>ND</b>	1200	EPA 8151A	2-13-14	2-13-14	
Dichlorprop	<b>ND</b>	90	EPA 8151A	2-13-14	2-13-14	
2,4-D	<b>ND</b>	12	EPA 8151A	2-13-14	2-13-14	
Pentachlorophenol	<b>ND</b>	6.1	EPA 8151A	2-13-14	2-13-14	
2,4,5-TP (Silvex)	<b>ND</b>	12	EPA 8151A	2-13-14	2-13-14	
2,4,5-T	<b>ND</b>	12	EPA 8151A	2-13-14	2-13-14	
2,4-DB	<b>ND</b>	12	EPA 8151A	2-13-14	2-13-14	
Dinoseb	<b>ND</b>	12	EPA 8151A	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	59	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0212S1					
Dalapon	<b>ND</b>	230	EPA 8151A	2-12-14	2-12-14	
Dicamba	<b>ND</b>	9.4	EPA 8151A	2-12-14	2-12-14	
MCPPP	<b>ND</b>	940	EPA 8151A	2-12-14	2-12-14	
MCPA	<b>ND</b>	940	EPA 8151A	2-12-14	2-12-14	
Dichlorprop	<b>ND</b>	71	EPA 8151A	2-12-14	2-12-14	
2,4-D	<b>ND</b>	9.4	EPA 8151A	2-12-14	2-12-14	
Pentachlorophenol	<b>ND</b>	4.8	EPA 8151A	2-12-14	2-12-14	
2,4,5-TP (Silvex)	<b>ND</b>	9.5	EPA 8151A	2-12-14	2-12-14	
2,4,5-T	<b>ND</b>	9.5	EPA 8151A	2-12-14	2-12-14	
2,4-DB	<b>ND</b>	9.5	EPA 8151A	2-12-14	2-12-14	
Dinoseb	<b>ND</b>	9.5	EPA 8151A	2-12-14	2-12-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	81	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0213S1					
Dalapon	<b>ND</b>	230	EPA 8151A	2-13-14	2-13-14	
Dicamba	<b>ND</b>	9.4	EPA 8151A	2-13-14	2-13-14	
MCPPP	<b>ND</b>	940	EPA 8151A	2-13-14	2-13-14	
MCPA	<b>ND</b>	940	EPA 8151A	2-13-14	2-13-14	
Dichlorprop	<b>ND</b>	71	EPA 8151A	2-13-14	2-13-14	
2,4-D	<b>ND</b>	9.4	EPA 8151A	2-13-14	2-13-14	
Pentachlorophenol	<b>ND</b>	4.8	EPA 8151A	2-13-14	2-13-14	
2,4,5-TP (Silvex)	<b>ND</b>	9.5	EPA 8151A	2-13-14	2-13-14	
2,4,5-T	<b>ND</b>	9.5	EPA 8151A	2-13-14	2-13-14	
2,4-DB	<b>ND</b>	9.5	EPA 8151A	2-13-14	2-13-14	
Dinoseb	<b>ND</b>	9.5	EPA 8151A	2-13-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	65	29-94				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
<b>MATRIX SPIKES</b>											
Laboratory ID:	02-040-03										
	MS	MSD	MS	MSD		MS	MSD				
Dicamba	75.3	76.7	100	100	ND	75	77	27-91	2	14	
2,4-D	62.1	63.1	100	100	ND	62	63	27-68	2	21	
Pentachlorophenol	8.41	8.71	10.0	10.0	ND	84	87	27-116	4	26	
2,4,5-T	75.9	76.4	100	100	ND	76	76	37-73	1	16	
2,4-DB	67.5	73.8	100	100	ND	68	74	22-95	9	23	
<i>Surrogate:</i>											
DCAA						71	76	29-94			
Laboratory ID:	02-040-44										
	MS	MSD	MS	MSD		MS	MSD				
Dicamba	77.9	76.7	100	100	ND	78	77	27-91	2	14	
2,4-D	60.4	62.0	100	100	ND	60	62	27-68	3	21	
Pentachlorophenol	8.10	8.00	10.0	10.0	ND	81	80	27-116	1	26	
2,4,5-T	74.0	77.1	100	100	ND	74	77	37-73	4	16	
2,4-DB	63.8	65.7	100	100	ND	64	66	22-95	3	23	
<i>Surrogate:</i>											
DCAA						81	83	29-94			



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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-3-GW</b>					
Laboratory ID:	02-040-31					
Dalapon	ND	0.24	EPA 8151A	2-7-14	2-10-14	
Dicamba	ND	0.025	EPA 8151A	2-7-14	2-10-14	
MCPD	52	4.9	EPA 8151A	2-7-14	2-10-14	
MCPA	ND	7.4	EPA 8151A	2-7-14	2-10-14	
Dichlorprop	0.090	0.050	EPA 8151A	2-7-14	2-10-14	P
2,4-D	ND	0.050	EPA 8151A	2-7-14	2-10-14	
Pentachlorophenol	ND	0.010	EPA 8151A	2-7-14	2-10-14	
2,4,5-TP (Silvex)	ND	0.050	EPA 8151A	2-7-14	2-10-14	
2,4,5-T	ND	0.050	EPA 8151A	2-7-14	2-10-14	
2,4-DB	ND	0.075	EPA 8151A	2-7-14	2-10-14	
Dinoseb	ND	0.050	EPA 8151A	2-7-14	2-10-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	83	30-96				
<b>Client ID:</b>	<b>SP-8-GW</b>					
Laboratory ID:	02-040-32					
Dalapon	ND	0.24	EPA 8151A	2-7-14	2-10-14	
Dicamba	ND	0.024	EPA 8151A	2-7-14	2-10-14	
MCPD	ND	4.9	EPA 8151A	2-7-14	2-10-14	
MCPA	ND	7.3	EPA 8151A	2-7-14	2-10-14	
Dichlorprop	ND	0.049	EPA 8151A	2-7-14	2-10-14	
2,4-D	ND	0.049	EPA 8151A	2-7-14	2-10-14	
Pentachlorophenol	ND	0.0099	EPA 8151A	2-7-14	2-10-14	
2,4,5-TP (Silvex)	ND	0.049	EPA 8151A	2-7-14	2-10-14	
2,4,5-T	ND	0.049	EPA 8151A	2-7-14	2-10-14	
2,4-DB	ND	0.074	EPA 8151A	2-7-14	2-10-14	
Dinoseb	ND	0.049	EPA 8151A	2-7-14	2-10-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	70	30-96				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-GW</b>					
Laboratory ID:	02-040-33					
Dalapon	<b>ND</b>	0.24	EPA 8151A	2-7-14	2-10-14	
Dicamba	<b>0.059</b>	0.025	EPA 8151A	2-7-14	2-10-14	P
MCPPP	<b>19</b>	5.0	EPA 8151A	2-7-14	2-10-14	P
MCPA	<b>ND</b>	7.5	EPA 8151A	2-7-14	2-10-14	
Dichlorprop	<b>0.096</b>	0.050	EPA 8151A	2-7-14	2-10-14	P
2,4-D	<b>ND</b>	0.050	EPA 8151A	2-7-14	2-10-14	
Pentachlorophenol	<b>ND</b>	0.010	EPA 8151A	2-7-14	2-10-14	
2,4,5-TP (Silvex)	<b>0.062</b>	0.051	EPA 8151A	2-7-14	2-10-14	
2,4,5-T	<b>0.26</b>	0.050	EPA 8151A	2-7-14	2-10-14	
2,4-DB	<b>1.5</b>	0.076	EPA 8151A	2-7-14	2-10-14	P
Dinoseb	<b>66</b>	1.0	EPA 8151A	2-7-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	66	30-96				
<b>Client ID:</b>	<b>SP-16-GW</b>					
Laboratory ID:	02-040-34					
Dalapon	<b>ND</b>	0.24	EPA 8151A	2-7-14	2-10-14	
Dicamba	<b>9.4</b>	0.50	EPA 8151A	2-7-14	2-13-14	
MCPPP	<b>170</b>	5.0	EPA 8151A	2-7-14	2-10-14	P
MCPA	<b>220</b>	7.4	EPA 8151A	2-7-14	2-10-14	P
Dichlorprop	<b>0.10</b>	0.050	EPA 8151A	2-7-14	2-10-14	P
2,4-D	<b>2.5</b>	0.050	EPA 8151A	2-7-14	2-10-14	P
Pentachlorophenol	<b>0.041</b>	0.010	EPA 8151A	2-7-14	2-10-14	P
2,4,5-TP (Silvex)	<b>ND</b>	0.050	EPA 8151A	2-7-14	2-10-14	
2,4,5-T	<b>0.66</b>	0.050	EPA 8151A	2-7-14	2-10-14	P
2,4-DB	<b>ND</b>	0.075	EPA 8151A	2-7-14	2-10-14	
Dinoseb	<b>53</b>	1.0	EPA 8151A	2-7-14	2-13-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	58	30-96				

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**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 QUALITY CONTROL**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0207W1					
Dalapon	ND	0.23	EPA 8151A	2-7-14	2-10-14	
Dicamba	ND	0.024	EPA 8151A	2-7-14	2-10-14	
MCPP	ND	4.7	EPA 8151A	2-7-14	2-10-14	
MCPA	ND	7.0	EPA 8151A	2-7-14	2-10-14	
Dichlorprop	ND	0.047	EPA 8151A	2-7-14	2-10-14	
2,4-D	ND	0.047	EPA 8151A	2-7-14	2-10-14	
Pentachlorophenol	ND	0.0095	EPA 8151A	2-7-14	2-10-14	
2,4,5-TP (Silvex)	ND	0.048	EPA 8151A	2-7-14	2-10-14	
2,4,5-T	ND	0.047	EPA 8151A	2-7-14	2-10-14	
2,4-DB	ND	0.071	EPA 8151A	2-7-14	2-10-14	
Dinoseb	ND	0.047	EPA 8151A	2-7-14	2-10-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCAA	80		30-96			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>SPIKE BLANKS</b>											
Laboratory ID:	SB0207W1										
	SB	SBD	SB	SBD		SB	SBD				
Dicamba	0.768	0.752	1.00	1.00	N/A	77	75	33-91	2	14	
2,4-D	0.568	0.525	1.00	1.00	N/A	57	52	35-75	8	17	
Pentachlorophenol	0.0913	0.0923	0.100	0.100	N/A	91	92	44-101	1	21	
2,4,5-T	0.713	0.661	1.00	1.00	N/A	71	66	40-88	8	13	
2,4-DB	0.618	0.574	1.00	1.00	N/A	62	57	22-99	7	18	
<i>Surrogate:</i>											
DCAA						80	76	30-96			

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 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-1-40-S</b>					
Laboratory ID:	02-040-02					
Dalapon	ND	260	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	10	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1000	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1000	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	79	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	10	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.3	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-24-14	
Dinoseb	19	11	EPA 8151A	2-18-14	2-24-14	

*Surrogate: Percent Recovery Control Limits*  
 DCAA 46 29-94

<b>Client ID:</b>	<b>SP-3-40-S</b>					
Laboratory ID:	02-040-04					
Dalapon	ND	260	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1000	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1000	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	79	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.3	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-21-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-21-14	

*Surrogate: Percent Recovery Control Limits*  
 DCAA 58 29-94

Date of Report: February 26, 2014  
 Samples Submitted: February 6, 2014  
 Laboratory Reference: 1402-040  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-2-40-S</b>					
Laboratory ID:	02-040-06					
Dalapon	ND	270	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	82	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.5	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-21-14	
Dinoseb	86	11	EPA 8151A	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	29-94				
<b>Client ID:</b>	<b>SP-4-40-S</b>					
Laboratory ID:	02-040-08					
Dalapon	ND	260	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	80	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.4	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-21-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	68	29-94				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-5-40-S</b>					
Laboratory ID:	02-040-10					
Dalapon	ND	260	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	81	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.5	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	48	29-94				
<b>Client ID:</b>	<b>SP-6-40-S</b>					
Laboratory ID:	02-040-12					
Dalapon	ND	250	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	10	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1000	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1000	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	78	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	10	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.2	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	10	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	10	EPA 8151A	2-18-14	2-21-14	
Dinoseb	ND	10	EPA 8151A	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	56	29-94				

Date of Report: February 26, 2014  
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 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-7-30-S</b>					
Laboratory ID:	02-040-14					
Dalapon	ND	250	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	10	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1000	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1000	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	78	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	10	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.2	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	10	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	10	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	10	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	56	29-94				
<b>Client ID:</b>	<b>SP-7-40-S</b>					
Laboratory ID:	02-040-15					
Dalapon	ND	250	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	10	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1000	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1000	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	77	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	10	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.1	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	10	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	10	EPA 8151A	2-18-14	2-21-14	
Dinoseb	ND	10	EPA 8151A	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	52	29-94				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-8-40-S</b>					
Laboratory ID:	02-040-17					
Dalapon	ND	280	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	12	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	87	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	12	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.8	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	12	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	12	EPA 8151A	2-18-14	2-21-14	
Dinoseb	ND	12	EPA 8151A	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	53	29-94				
<b>Client ID:</b>	<b>SP-8-12-S</b>					
Laboratory ID:	02-040-20					
Dalapon	ND	280	EPA 8151A	2-18-14	2-21-14	
Dicamba	ND	12	EPA 8151A	2-18-14	2-21-14	
MCPD	ND	1200	EPA 8151A	2-18-14	2-21-14	
MCPA	ND	1200	EPA 8151A	2-18-14	2-21-14	
Dichlorprop	ND	88	EPA 8151A	2-18-14	2-21-14	
2,4-D	ND	12	EPA 8151A	2-18-14	2-21-14	
Pentachlorophenol	ND	5.9	EPA 8151A	2-18-14	2-21-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-18-14	2-21-14	
2,4,5-T	ND	12	EPA 8151A	2-18-14	2-21-14	
2,4-DB	ND	12	EPA 8151A	2-18-14	2-21-14	
Dinoseb	ND	12	EPA 8151A	2-18-14	2-21-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	57	29-94				



Date of Report: February 26, 2014  
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 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-12-40-S</b>					
Laboratory ID:	02-040-26					
Dalapon	ND	270	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	83	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.5	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	55	29-94				
<b>Client ID:</b>	<b>SP-13-40-S</b>					
Laboratory ID:	02-040-27					
Dalapon	ND	270	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	83	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.6	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	29-94				

Date of Report: February 26, 2014  
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 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-14-40-S</b>					
Laboratory ID:	02-040-30					
Dalapon	ND	280	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	86	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.8	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	12	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	12	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	57	29-94				
<b>Client ID:</b>	<b>SP-17-40-S</b>					
Laboratory ID:	02-040-36					
Dalapon	ND	280	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	12	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1200	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1200	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	88	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	12	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.9	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	12	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	12	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	12	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	52	29-94				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-16-40-S</b>					
Laboratory ID:	02-040-39					
Dalapon	ND	280	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	85	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.7	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	11	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	47	29-94				
<b>Client ID:</b>	<b>SP-15-40-S</b>					
Laboratory ID:	02-040-41					
Dalapon	ND	270	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	11	EPA 8151A	2-18-14	2-24-14	
MCPD	ND	1100	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	1100	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	84	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	11	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	5.6	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	11	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	11	EPA 8151A	2-18-14	2-24-14	
Dinoseb	89	11	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	45	29-94				

Date of Report: February 26, 2014  
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 Laboratory Reference: 1402-040  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0218S1					
Dalapon	ND	230	EPA 8151A	2-18-14	2-24-14	
Dicamba	ND	9.4	EPA 8151A	2-18-14	2-24-14	
MCPP	ND	940	EPA 8151A	2-18-14	2-24-14	
MCPA	ND	940	EPA 8151A	2-18-14	2-24-14	
Dichlorprop	ND	71	EPA 8151A	2-18-14	2-24-14	
2,4-D	ND	9.4	EPA 8151A	2-18-14	2-24-14	
Pentachlorophenol	ND	4.8	EPA 8151A	2-18-14	2-24-14	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	2-18-14	2-24-14	
2,4,5-T	ND	9.5	EPA 8151A	2-18-14	2-24-14	
2,4-DB	ND	9.5	EPA 8151A	2-18-14	2-24-14	
Dinoseb	ND	9.5	EPA 8151A	2-18-14	2-24-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCAA	62		29-94			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>											
Laboratory ID:	02-040-02										
	MS	MSD	MS	MSD		MS	MSD				
Dicamba	54.1	56.7	100	100	ND	54	57	27-91	5	14	
2,4-D	30.8	34.8	100	100	ND	31	35	27-68	12	21	
Pentachlorophenol	7.75	7.57	10.0	10.0	ND	77	76	27-116	2	26	
2,4,5-T	38.0	42.8	100	100	ND	38	43	37-73	12	16	
2,4-DB	33.2	33.7	100	100	ND	33	34	22-95	1	23	
<i>Surrogate:</i>											
DCAA						52	49	29-94			

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Project: JG 1201

**% MOISTURE**  
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Date Analyzed: 2-7,11&18-14

Client ID	Lab ID	% Moisture
SP-1-18-S	02-040-01	20
SP-1-40-S	02-040-02	10
SP-3-18-S	02-040-03	12
SP-3-40-S	02-040-04	11
SP-2-18-S	02-040-05	10
SP-2-40-S	02-040-06	14
SP-4-18-S	02-040-07	13
SP-4-40-S	02-040-08	12
SP-5-18-S	02-040-09	11
SP-5-40-S	02-040-10	13
SP-6-18-S	02-040-11	13
SP-6-40-S	02-040-12	9
SP-7-18-S	02-040-13	19
SP-7-30-S	02-040-14	9
SP-7-40-S	02-040-15	8
SP-8-18-S	02-040-16	8
SP-8-40-S	02-040-17	18
SP-9-18-S	02-040-18	9
SP-8-12-S	02-040-20	19
SP-10-18-S	02-040-21	8
SP-11-18-S	02-040-23	11
SP-12-18-S	02-040-25	13
SP-12-40-S	02-040-26	14
SP-13-40-S	02-040-27	15
SP-13-18-S	02-040-28	13
SP-14-18-S	02-040-29	10
SP-14-40-S	02-040-30	18

Date of Report: February 26, 2014  
Samples Submitted: February 6, 2014  
Laboratory Reference: 1402-040  
Project: JG 1201

**% MOISTURE**  
page 2 of 2

Date Analyzed: 2-7,11&18-14

Client ID	Lab ID	% Moisture
SP-17-18-S	02-040-35	12
SP-17-40-S	02-040-36	19
SP-16-12-S	02-040-37	23
SP-16-18-S	02-040-38	9
SP-16-40-S	02-040-39	17
SP-15-18-S	02-040-40	11
SP-15-40-S	02-040-41	16
SP-12-230-S	02-040-42	20
SP-12-122-S	02-040-43	22
SP-12-144-S	02-040-44	22



### Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
  - B - The analyte indicated was also found in the blank sample.
  - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
  - E - The value reported exceeds the quantitation range and is an estimate.
  - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
  - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
  - I - Compound recovery is outside of the control limits.
  - J - The value reported was below the practical quantitation limit. The value is an estimate.
  - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
  - L - The RPD is outside of the control limits.
  - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
  - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
  - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
  - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
  - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
  - P - The RPD of the detected concentrations between the two columns is greater than 40.
  - Q - Surrogate recovery is outside of the control limits.
  - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
  - T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
  - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
  - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
  - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
  - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
  - X - Sample extract treated with a mercury cleanup procedure.
  - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
  - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference



# Mn OnSite Environmental Inc.

Analytical Laboratory Testing Services  
14648 NE 95th Street • Redmond, WA 98052  
Phone: (425) 883-3881 • www.onsite-env.com

## Chain of Custody

Turnaround Request  
(In working days)

(Check One)

Same Day  1 Day

2 Days  3 Days

Standard (7 Days)  
(TYP analysis 5 Days)

\_\_\_\_\_  
(other)

Laboratory Number:

**02-040**

Company: Pacific Environmental Group  
Project Number: 56-1201  
Project Name: Sunnyside FesHc side  
Project Manager: Glen Wallace  
Sampled by: GSW & TWK

Lab ID Sample Identification

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analysis	Results
1	SP-1-18-S	2/5/14	10:35	Soil	4	NWTPH-HCID	X
2	SP-1-40-S	2/5/14	10:40	Soil	1	NWTPH-G/BTEX + Naphthalene	X
3	SP-3-18-S	2/5/14	10:55	Soil (7)	1	NWTPH-Gx	X
4	SP-3-40-S	2/5/14	11:00	Soil	1	NWTPH-Dx (ACU/SG)	X
5	SP-2-18-S		11:30	S	4	Volatiles 8260C	X
6	SP-2-40-S		11:35	S	1	Halogenated Volatiles 8260C	X
7	SP-4-18-S		13:00	S	1	Semivolatiles 8270D/SIM (with low-level PAHs)	X
8	SP-4-40-S		13:05	S	1	PAHs 8270D/SIM (low-level)	X
9	SP-5-18-S		12:45	S	4	PCBs 8082A	X
10	SP-5-40-S	2/5/14	12:50	S	1	Organochlorine Pesticides 8081B	X

Signature

Company

Date

Time

Comments/Special Instructions

*[Handwritten Signature]*

Pacific Environmental Inc.

2/6 1626

Dx - ACU/SG  
Added 2/18/14. DS

Relinquished		Reviewed/Date	
Received		Reviewed/Date	
Relinquished		Reviewed/Date	
Received		Reviewed/Date	
Relinquished		Reviewed/Date	
Received		Reviewed/Date	





**MVA Onsite Environmental Inc.**  
 Analytical Laboratory Testing Services  
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 Phone: (425) 893-3881 • www.onsite-env.com

# Chain of Custody

Turnaround Request  
 (In working days)  
 (Check One)

- Same Day     1 Day  
 2 Days     3 Days  
 Standard (7 Days)  
 (TPH analysis 5 Days)

Laboratory Number:

02-040

Company: Pacific Groundwater Group  
 Project Number: JG-1201  
 Project Name: Sunnyside Posthole  
 Project Manager: Glen Lyall  
 Sampled by: GSW/TJK

Lab ID    Sample Identification    Date Sampled    Time Sampled    Matrix

11	SP-6-18-5	2/5/10	12:25	S
12	SP-6-40-5	2/5	12:40	S
13	SP-7-18-5	2/5	13:40	S
14	SP-7-30-5	2/5	13:50	S
15	SP-7-40-5	2/5	13:45	S
16	SP-8-18-5	2/6	9:25	S
17	SP-8-40-5	2/6	9:30	S
18	SP-9-18-5	2/5	13:30	S
19	SP-9-40-5	2/5	13:35	S
20	SP-9-12-5	2/6	9:55	S

Number of Containers	
NWTPH-HCID	
NWTPH-Gx	X
NWTPH-Dx	X
Volatiles 8260C	
Halogenated Volatiles 8260C	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	X
Organophosphorus Pesticides 8270D/SIM	X
Chlorinated Acid Herbicides 8151A	X
Total RCRA Metals/ MTCA Metals (circle one)	
TCLP Metals	
HEM (oil and grease) 1664A	
% Moisture	

Signature    Company    Date    Time    Comments/Special Instructions

Relinquished		PGI	2/6	14:25	
Received		Pacific Groundwater Group	2/6/14	16:25	
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date					

Dx-ACU156

Hold pending Parcel \*18-5 Result



**Mn OnSite**  
Environmental Inc.

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# Chain of Custody

Page 3 of 5

**Turnaround Request**  
(In working days)

(Check One)

- Same Day       1 Day
- 2 Days       3 Days
- Standard (7 Days)  
(TPH analysis 5 Days)
- \_\_\_\_\_ (other)

**Laboratory Number:**

**02-040**

Company:	Project Name:	Project Number:	Project Manager:	Sampled by:	Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Comments/Special Instructions	% Moisture
Mn OnSite Environmental Inc.	Sunnyside Pesttrucks	JG-1201	Coleen Lyell-Lee	GSCW/TJLk								
Relinquished					21	SP-10-18-S	2/5/14	14:00	S	1		
Received					22	SP-10-40-S	2/5/14	14:05	S	1		
Relinquished					23	SP-11-18-S	2/5	14:25	S	1		
Received					24	SP-11-40-S	2/5	14:30	S	1		
Relinquished					25	SP-12-18-S	2/6	11:00	S	1		
Received					26	SP-12-40-S	2/6	11:05	S	1		
Relinquished					27	SP-13-40-S	2/5	15:00	S	1		
Received					28	SP-13-18-S	2/5	14:55	S	1		
Relinquished					29	SP-14-18-S	2/5	15:25	S	1		
Received					30	SP-14-40-S	2/5	15:30	S	1		
Signature: <i>[Handwritten Signature]</i>							Company: PBL		Date: 2/6		Time: 1625	
Reviewed/Date: _____							Reviewed/Date: _____		Reviewed/Date: _____		Reviewed/Date: _____	

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals/ MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1										X	X	X				
1										X	X	X				
1										X	X	X				
1										X	X	X				
1										X	X	X				
1										X	X	X				
1										X	X	X				
1										X	X	X				
1										X	X	X				

HOLD



# Mn Onsite Environmental Inc.

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## Chain of Custody

Turnaround Request  
(In working days)

(Check One)

Same Day  1 Day

2 Days  3 Days

Standard (7 Days)  
(TPH analysis 5 Days)

\_\_\_\_\_  
(other)

Laboratory Number:

02-040

Page 4 of 5

Company: Pestic Groundwater Group  
Project Number: 561201  
Project Name: Sung Side Pesticide  
Project Manager: Chen Yell ee  
Sampled by: GSW/TJK

Lab ID Sample Identification Date Sampled Time Sampled Matrix

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Volatiles 8260C	Haloaromatic Volatiles 8260C <u>BTEX + Naphthalene</u>	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals/ MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
31	SP-3-GW	2/5	12:45 W	B	NWTPH-HCID												
32	SP-8-GW	2/6	10:00 W	W	NWTPH-Gx/BTEX												
33	SP-12-GW	2/6	12:45 W	W	NWTPH-Gx												
34	SP-16-GW	2/5	18:00 W	W	NWTPH-Dx	X	X	X									
35	SP-17-18-5	2/5	17:25	Soil													
36	SP-17-40-5	2/5	17:30	Soil													
37	SP-16-12-5	2/5	16:08	Soil													
38	SP-16-18-5	2/5	16:00	Soil													
39	SP-16-40-5	2/5	16:05	Soil													

Relinquished \_\_\_\_\_ Signature \_\_\_\_\_ Company: Pestic Date: 2/6 Time: 16:25 Comments/Special Instructions: Silica Gel Cleanup on SP-12-GW Diesel

Received \_\_\_\_\_ Signature \_\_\_\_\_ Company: ASTORIA Date: 2/14 Time: 10:05 Comments/Special Instructions: Dx

Relinquished \_\_\_\_\_

Received \_\_\_\_\_

Relinquished \_\_\_\_\_

Received \_\_\_\_\_

Reviewed/Date \_\_\_\_\_ Reviewed/Date \_\_\_\_\_

Chromatograms with final report





14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

April 1, 2014

Glen Wallace  
Pacific Groundwater Group  
2377 Eastlake Avenue E, Suite 200  
Seattle, WA 98102

Re: Analytical Data for Project JG1201  
Laboratory Reference No. 1403-163

Dear Glenn:

Enclosed are the analytical results and associated quality control data for samples submitted on March 21, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister  
Project Manager

Enclosures

Date of Report: April 1, 2014  
Samples Submitted: March 21, 2014  
Laboratory Reference: 1403-163  
Project: JG1201

### **Case Narrative**

Samples were collected on March 20, 2014 and received by the laboratory on March 21, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-18-2.5-S</b>					
Laboratory ID:	03-163-01					
alpha-BHC	ND	6.1	EPA 8081B	3-25-14	3-25-14	
gamma-BHC	11	6.1	EPA 8081B	3-25-14	3-25-14	
beta-BHC	ND	6.1	EPA 8081B	3-25-14	3-25-14	
delta-BHC	ND	6.1	EPA 8081B	3-25-14	3-25-14	
Heptachlor	ND	6.1	EPA 8081B	3-25-14	3-25-14	
Aldrin	ND	6.1	EPA 8081B	3-25-14	3-25-14	
Heptachlor Epoxide	ND	6.1	EPA 8081B	3-25-14	3-25-14	
gamma-Chlordane	ND	12	EPA 8081B	3-25-14	3-25-14	
alpha-Chlordane	ND	12	EPA 8081B	3-25-14	3-25-14	
4,4'-DDE	48	12	EPA 8081B	3-25-14	3-25-14	
Endosulfan I	150	6.1	EPA 8081B	3-25-14	3-25-14	
Dieldrin	ND	12	EPA 8081B	3-25-14	3-25-14	
Endrin	ND	12	EPA 8081B	3-25-14	3-25-14	
4,4'-DDD	ND	12	EPA 8081B	3-25-14	3-25-14	
Endosulfan II	99	12	EPA 8081B	3-25-14	3-25-14	
4,4'-DDT	140	12	EPA 8081B	3-25-14	3-25-14	
Endrin Aldehyde	36	12	EPA 8081B	3-25-14	3-25-14	
Methoxychlor	ND	12	EPA 8081B	3-25-14	3-25-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-25-14	3-25-14	
Endrin Ketone	ND	12	EPA 8081B	3-25-14	3-25-14	
Toxaphene	1900	61	EPA 8081B	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	79	37-110				
DCB	92	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-18-6.5-S</b>					
Laboratory ID:	03-163-02					
alpha-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	6.2	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	62	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	98	42-114				



Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-19-2.5-S</b>					
Laboratory ID:	03-163-03					
alpha-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	56	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	87	37-110				
DCB	100	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-19-5-S</b>					
Laboratory ID:	03-163-04					
alpha-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	59	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	80	37-110				
DCB	92	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-20-2.5-S</b>					
Laboratory ID:	03-163-05					
alpha-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	23	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	56	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	91	37-110				
DCB	104	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-20-6-S</b>					
Laboratory ID:	03-163-06					
alpha-BHC	ND	5.3	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.3	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.3	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.3	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.3	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.3	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.3	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.3	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	53	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	91	37-110				
DCB	106	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-21-2.5-S</b>					
Laboratory ID:	03-163-07					
alpha-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	58	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	85	37-110				
DCB	101	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-21-6-S</b>					
Laboratory ID:	03-163-08					
alpha-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	55	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	99	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-22-2.5-S</b>					
Laboratory ID:	03-163-09					
alpha-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	10	5.5	EPA 8081B	3-27-14	3-27-14	P
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	10000	1100	EPA 8081B	3-27-14	4-1-14	
Endosulfan I	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	63	11	EPA 8081B	3-27-14	3-27-14	P
Endosulfan II	55	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	9900	1100	EPA 8081B	3-27-14	4-1-14	
Endrin Aldehyde	210	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	71	11	EPA 8081B	3-27-14	3-27-14	P
Endrin Ketone	27	11	EPA 8081B	3-27-14	3-27-14	P
Toxaphene	7000	550	EPA 8081B	3-27-14	4-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	92	37-110				
DCB	105	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-22-5-S</b>					
Laboratory ID:	03-163-10					
alpha-BHC	ND	6.0	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	6.0	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	6.0	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	6.0	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	6.0	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	6.0	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	6.0	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	50	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	6.0	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	21	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	60	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	99	42-114				



Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-23-2.5-S</b>					
Laboratory ID:	03-163-11					
alpha-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	56	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	93	37-110				
DCB	107	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-23-6-S</b>					
Laboratory ID:	03-163-12					
alpha-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	6.2	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	6.2	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	62	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	37-110				
DCB	100	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-24-2.5-S</b>					
Laboratory ID:	03-163-13					
alpha-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.6	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.6	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	56	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	91	37-110				
DCB	104	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-24-5-S</b>					
Laboratory ID:	03-163-14					
alpha-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	58	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	85	37-110				
DCB	96	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-26-2.5-S</b>					
Laboratory ID:	03-163-17					
alpha-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.8	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	270	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.8	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	180	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	930	58	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	82	37-110				
DCB	98	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-26-5-S</b>					
Laboratory ID:	03-163-18					
alpha-BHC	ND	6.5	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	6.5	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	6.5	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	6.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	6.5	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	6.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	6.5	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	13	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	13	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	16	13	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	6.5	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	13	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	13	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	13	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	13	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	21	13	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	13	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	13	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	13	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	13	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	65	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	79	37-110				
DCB	97	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-27-2.5-S</b>					
Laboratory ID:	03-163-19					
alpha-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.5	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.5	EPA 8081B	3-27-14	3-27-14	
Dieldrin	17	11	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	11	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	11	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	11	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	11	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	11	EPA 8081B	3-27-14	3-27-14	
Toxaphene	460	55	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	88	37-110				
DCB	101	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-27-6-S</b>					
Laboratory ID:	03-163-20					
alpha-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.9	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	59	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>85</i>	<i>37-110</i>				
<i>DCB</i>	<i>101</i>	<i>42-114</i>				



Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SMW-1-S</b>					
Laboratory ID:	03-163-21					
alpha-BHC	ND	6.3	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	6.3	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	6.3	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	6.3	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	6.3	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	6.3	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	6.3	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	13	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	13	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	13	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	6.3	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	13	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	13	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	13	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	13	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	16	13	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	13	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	13	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	13	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	13	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	63	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	37-110				
DCB	99	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SMW-2-S</b>					
Laboratory ID:	03-163-22					
alpha-BHC	ND	6.1	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	6.1	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	6.1	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	6.1	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	6.1	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	6.1	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	6.1	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	6.1	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	12	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	12	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	12	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	12	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	12	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	61	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	87	37-110				
DCB	103	42-114				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
alpha-BHC	ND	5.0	EPA 8081B	3-25-14	3-25-14	
gamma-BHC	ND	5.0	EPA 8081B	3-25-14	3-25-14	
beta-BHC	ND	5.0	EPA 8081B	3-25-14	3-25-14	
delta-BHC	ND	5.0	EPA 8081B	3-25-14	3-25-14	
Heptachlor	ND	5.0	EPA 8081B	3-25-14	3-25-14	
Aldrin	ND	5.0	EPA 8081B	3-25-14	3-25-14	
Heptachlor Epoxide	ND	5.0	EPA 8081B	3-25-14	3-25-14	
gamma-Chlordane	ND	10	EPA 8081B	3-25-14	3-25-14	
alpha-Chlordane	ND	10	EPA 8081B	3-25-14	3-25-14	
4,4'-DDE	ND	10	EPA 8081B	3-25-14	3-25-14	
Endosulfan I	ND	5.0	EPA 8081B	3-25-14	3-25-14	
Dieldrin	ND	10	EPA 8081B	3-25-14	3-25-14	
Endrin	ND	10	EPA 8081B	3-25-14	3-25-14	
4,4'-DDD	ND	10	EPA 8081B	3-25-14	3-25-14	
Endosulfan II	ND	10	EPA 8081B	3-25-14	3-25-14	
4,4'-DDT	ND	10	EPA 8081B	3-25-14	3-25-14	
Endrin Aldehyde	ND	10	EPA 8081B	3-25-14	3-25-14	
Methoxychlor	ND	10	EPA 8081B	3-25-14	3-25-14	
Endosulfan Sulfate	ND	10	EPA 8081B	3-25-14	3-25-14	
Endrin Ketone	ND	10	EPA 8081B	3-25-14	3-25-14	
Toxaphene	ND	50	EPA 8081B	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>94</i>	<i>37-110</i>				
<i>DCB</i>	<i>106</i>	<i>42-114</i>				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0327S1					
alpha-BHC	ND	5.0	EPA 8081B	3-27-14	3-27-14	
gamma-BHC	ND	5.0	EPA 8081B	3-27-14	3-27-14	
beta-BHC	ND	5.0	EPA 8081B	3-27-14	3-27-14	
delta-BHC	ND	5.0	EPA 8081B	3-27-14	3-27-14	
Heptachlor	ND	5.0	EPA 8081B	3-27-14	3-27-14	
Aldrin	ND	5.0	EPA 8081B	3-27-14	3-27-14	
Heptachlor Epoxide	ND	5.0	EPA 8081B	3-27-14	3-27-14	
gamma-Chlordane	ND	10	EPA 8081B	3-27-14	3-27-14	
alpha-Chlordane	ND	10	EPA 8081B	3-27-14	3-27-14	
4,4'-DDE	ND	10	EPA 8081B	3-27-14	3-27-14	
Endosulfan I	ND	5.0	EPA 8081B	3-27-14	3-27-14	
Dieldrin	ND	10	EPA 8081B	3-27-14	3-27-14	
Endrin	ND	10	EPA 8081B	3-27-14	3-27-14	
4,4'-DDD	ND	10	EPA 8081B	3-27-14	3-27-14	
Endosulfan II	ND	10	EPA 8081B	3-27-14	3-27-14	
4,4'-DDT	ND	10	EPA 8081B	3-27-14	3-27-14	
Endrin Aldehyde	ND	10	EPA 8081B	3-27-14	3-27-14	
Methoxychlor	ND	10	EPA 8081B	3-27-14	3-27-14	
Endosulfan Sulfate	ND	10	EPA 8081B	3-27-14	3-27-14	
Endrin Ketone	ND	10	EPA 8081B	3-27-14	3-27-14	
Toxaphene	ND	50	EPA 8081B	3-27-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>92</i>	<i>37-110</i>				
<i>DCB</i>	<i>109</i>	<i>42-114</i>				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits	Limit			
<b>MATRIX SPIKES</b>											
Laboratory ID:	03-163-22										
	MS	MSD	MS	MSD		MS	MSD				
gamma-BHC	44.3	42.4	50.0	50.0	ND	89	85	45-117	4	15	
Heptachlor	48.4	46.5	50.0	50.0	ND	97	93	57-101	4	16	
Aldrin	46.7	44.5	50.0	50.0	ND	93	89	50-119	5	16	
Dieldrin	112	108	125	125	ND	90	86	45-110	4	17	
Endrin	116	110	125	125	ND	93	88	56-117	5	18	
4,4'-DDT	106	100	125	125	ND	84	80	46-110	6	21	
Surrogate:											
TCMX						86	82	37-110			
DCB						102	98	42-114			
<b>SPIKE BLANKS</b>											
Laboratory ID:	SB0325S1										
	SB	SBD	SB	SBD		SB	SBD				
gamma-BHC	42.3	43.9	50.0	50.0	N/A	85	88	64-115	4	12	
Heptachlor	44.1	45.7	50.0	50.0	N/A	88	91	59-118	4	11	
Aldrin	44.8	46.3	50.0	50.0	N/A	90	93	67-120	3	13	
Dieldrin	109	111	125	125	N/A	87	89	62-114	2	13	
Endrin	114	116	125	125	N/A	91	93	63-116	2	17	
4,4'-DDT	108	110	125	125	N/A	86	88	59-109	2	14	
Surrogate:											
TCMX						85	88	37-110			
DCB						95	97	42-114			

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-18-2.5-S</b>					
Laboratory ID:	03-163-01					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.061	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.061	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.061	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>84</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>92</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-18-6.5-S</b>					
Laboratory ID:	03-163-02					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.062	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.062	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.062	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>80</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>87</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-19-2.5-S</b>					
Laboratory ID:	03-163-03					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	73	16 - 107				
<i>Triphenyl phosphate</i>	78	29 - 110				



Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-19-5-S</b>					
Laboratory ID:	03-163-04					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>101</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>94</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-20-2.5-S</b>					
Laboratory ID:	03-163-05					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>81</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>86</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-20-6-S</b>					
Laboratory ID:	03-163-06					
Dichlorvos(DDVP)	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.053	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Fenchlorphos/Ronnel	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.053	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.053	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.021	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>83</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>89</i>	<i>29 - 110</i>				

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 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-21-2.5-S</b>					
Laboratory ID:	03-163-07					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	78	16 - 107				
<i>Triphenyl phosphate</i>	86	29 - 110				

Date of Report: April 1, 2014  
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 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-21-6-S</b>					
Laboratory ID:	03-163-08					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>76</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>85</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-22-2.5-S</b>					
Laboratory ID:	03-163-09					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	<b>0.087</b>	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	69	16 - 107				
<i>Triphenyl phosphate</i>	93	29 - 110				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-22-5-S</b>					
Laboratory ID:	03-163-10					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.060	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.060	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.060	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>62</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>70</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-23-2.5-S</b>					
Laboratory ID:	03-163-11					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	75	16 - 107				
<i>Triphenyl phosphate</i>	80	29 - 110				



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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-23-6-S</b>					
Laboratory ID:	03-163-12					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.062	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Fenclorphos/Ronnel	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.062	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.062	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>78</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>81</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-24-2.5-S</b>					
Laboratory ID:	03-163-13					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.056	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.056	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.056	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>67</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>73</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-24-5-S</b>					
Laboratory ID:	03-163-14					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>75</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>78</i>	<i>29 - 110</i>				

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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-26-2.5-S</b>					
Laboratory ID:	03-163-17					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	<b>0.40</b>	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	<b>0.028</b>	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.058	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>62</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>65</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-26-5-S</b>					
Laboratory ID:	03-163-18					
Dichlorvos(DDVP)	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.065	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	3.3	0.26	EPA 8270D/SIM	3-25-14	3-28-14	
Demeton-S	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.065	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.065	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.026	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>81</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>82</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-27-2.5-S</b>					
Laboratory ID:	03-163-19					
Dichlorvos(DDVP)	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.055	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.022	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>75</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>77</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-27-6-S</b>					
Laboratory ID:	03-163-20					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>73</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>75</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SMW-1-S</b>					
Laboratory ID:	03-163-21					
Dichlorvos(DDVP)	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.063	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.063	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.063	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.025	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>80</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>81</i>	<i>29 - 110</i>				



Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SMW-2-S</b>					
Laboratory ID:	03-163-22					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Monocrotophos	ND	0.061	EPA 8270D/SIM	3-25-14	3-27-14	
Naled	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Phorate	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Diazinon	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Disulfoton	0.11	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Malathion	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Fenthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Merphos&Merphos-oxone	ND	0.061	EPA 8270D/SIM	3-25-14	3-27-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Fensulfothion	ND	0.061	EPA 8270D/SIM	3-25-14	3-27-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
EPN	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	3-25-14	3-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	83	16 - 107				
<i>Triphenyl phosphate</i>	88	29 - 110				

Date of Report: April 1, 2014  
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 Laboratory Reference: 1403-163  
 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Dichlorvos(DDVP)	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Mevinphos/Phosdrin	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Ethoprophos	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Monocrotophos	ND	0.050	EPA 8270D/SIM	3-25-14	3-26-14	
Naled	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Sulfotepp	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Phorate	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Dimethoate	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Demeton-S	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Diazinon	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Disulfoton	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-methyl	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Fenclorphos/Ronnel	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Malathion	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Fenthion	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Parathion-ethyl	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Chlorpyrifos/Dursban	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Trichloronate	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Merphos&Merphos-oxone	ND	0.050	EPA 8270D/SIM	3-25-14	3-26-14	
Stirofos/Tetrachlorvinphos	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Tokuthion/Prothiofos	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Fensulfothion	ND	0.050	EPA 8270D/SIM	3-25-14	3-26-14	
Bolstar/Sulprofos	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
EPN	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Azinphos-methyl/Guthion	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
Coumaphos	ND	0.020	EPA 8270D/SIM	3-25-14	3-26-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>74</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>86</i>	<i>29 - 110</i>				

Date of Report: April 1, 2014  
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 Project: JG1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 MS/MSD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Limit	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD				
<b>MATRIX SPIKES</b>												
Laboratory ID:	03-163-01											
	MS	MSD	MS	MSD		MS	MSD					
Dichlorvos(DDVP)	0.0767	0.0806	0.100	0.100	ND	77	81	30 - 94	5	30		
Mevinphos/Phosdrin	0.0766	0.0746	0.100	0.100	ND	77	75	10 - 121	3	30		
Ethoprophos	0.0793	0.0765	0.100	0.100	ND	79	77	32 - 110	4	30		
Sulfotepp	0.0757	0.0725	0.100	0.100	ND	76	73	39 - 96	4	30		
Phorate	0.0769	0.0740	0.100	0.100	ND	77	74	39 - 98	4	30		
Dimethoate	0.0890	0.0866	0.100	0.100	ND	89	87	16 - 128	3	30		
Demeton-S	0.0828	0.0783	0.100	0.100	ND	83	78	21 - 112	6	30		
Diazinon	0.0784	0.0752	0.100	0.100	ND	78	75	37 - 93	4	30		
Disulfoton	0.0861	0.0854	0.100	0.100	ND	86	85	38 - 98	1	30		
Parathion-methyl	0.0892	0.0855	0.100	0.100	ND	89	86	37 - 98	4	30		
Fenchlorphos/Ronnel	0.0765	0.0741	0.100	0.100	ND	77	74	39 - 102	3	30		
Malathion	0.0842	0.0787	0.100	0.100	ND	84	79	10 - 168	7	30		
Fenthion	0.0767	0.0731	0.100	0.100	ND	77	73	40 - 100	5	30		
Parathion-ethyl	0.0902	0.0861	0.100	0.100	ND	90	86	33 - 100	5	30		
Chlorpyrifos/Dursban	0.0790	0.0753	0.100	0.100	ND	79	75	41 - 100	5	30		
Trichloronate	0.0764	0.0728	0.100	0.100	ND	76	73	38 - 101	5	30		
Stirofos/Tetrachlorvinphos	0.0806	0.0761	0.100	0.100	ND	81	76	10 - 172	6	30		
Tokuthion/Prothiofos	0.0870	0.0819	0.100	0.100	ND	87	82	41 - 101	6	30		
Fensulfothion	0.0819	0.0791	0.100	0.100	ND	82	79	10 - 131	3	30		
Bolstar/Sulprofos	0.0851	0.0816	0.100	0.100	ND	85	82	39 - 103	4	30		
EPN	0.123	0.118	0.100	0.100	ND	123	118	58 - 130	4	30		
Azinphos-methyl/Guthion	0.0905	0.0867	0.100	0.100	ND	91	87	10 - 177	4	30		
Coumaphos	0.0896	0.0909	0.100	0.100	ND	90	91	10 - 165	1	30		
<i>Surrogate:</i>												
						93	88	16 - 107				
						96	92	29 - 110				

Date of Report: April 1, 2014  
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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-18-2.5-S</b>					
Laboratory ID:	03-163-01					
Dalapon	ND	280	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	86	EPA 8151A	3-25-14	3-25-14	
2,4-D	12	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.8	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	12	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	12	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	60	29-94				
<b>Client ID:</b>	<b>SP-18-6.5-S</b>					
Laboratory ID:	03-163-02					
Dalapon	ND	290	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	12	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1200	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1200	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	88	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	12	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.9	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	12	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	12	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	55	29-94				

Date of Report: April 1, 2014  
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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-19-2.5-S</b>					
Laboratory ID:	03-163-03					
Dalapon	ND	260	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	80	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.3	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	49	29-94				
<b>Client ID:</b>	<b>SP-19-5-S</b>					
Laboratory ID:	03-163-04					
Dalapon	ND	270	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	84	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.6	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	51	29-94				

Date of Report: April 1, 2014  
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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-20-2.5-S</b>					
Laboratory ID:	03-163-05					
Dalapon	ND	250	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	10	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1000	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1000	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	79	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	10	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.3	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	50	29-94				
<b>Client ID:</b>	<b>SP-20-6-S</b>					
Laboratory ID:	03-163-06					
Dalapon	ND	240	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	10	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	990	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	990	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	75	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	10	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.0	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	10	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	10	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	56	29-94				

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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-21-2.5-S</b>					
Laboratory ID:	03-163-07					
Dalapon	ND	260	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	82	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.5	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	62	29-94				
<b>Client ID:</b>	<b>SP-21-6-S</b>					
Laboratory ID:	03-163-08					
Dalapon	ND	250	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	10	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1000	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1000	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	78	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	10	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.2	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	10	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	10	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	29-94				

Date of Report: April 1, 2014  
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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-22-2.5-S</b>					
Laboratory ID:	03-163-09					
Dalapon	ND	250	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	10	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1000	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1000	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	78	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	10	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.2	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	10	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	10	EPA 8151A	3-25-14	3-25-14	

<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>
DCAA	63	29-94

<b>Client ID:</b>	<b>SP-22-5-S</b>					
Laboratory ID:	03-163-10					
Dalapon	ND	270	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	85	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.7	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	

<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>
DCAA	55	29-94



Date of Report: April 1, 2014  
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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-23-2.5-S</b>					
Laboratory ID:	03-163-11					
Dalapon	ND	260	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1000	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1000	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	79	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.3	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	29-94				
<b>Client ID:</b>	<b>SP-23-6-S</b>					
Laboratory ID:	03-163-12					
Dalapon	ND	280	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	12	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1200	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1200	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	88	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	12	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.9	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	12	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	12	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	48	29-94				

Date of Report: April 1, 2014  
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 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-24-2.5-S</b>					
Laboratory ID:	03-163-13					
Dalapon	ND	260	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	80	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.4	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	29-94				
<b>Client ID:</b>	<b>SP-24-5-S</b>					
Laboratory ID:	03-163-14					
Dalapon	ND	270	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	82	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.5	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	51	29-94				

Date of Report: April 1, 2014  
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**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-26-2.5-S</b>					
Laboratory ID:	03-163-17					
Dalapon	ND	260	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	81	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.5	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	60	29-94				
<b>Client ID:</b>	<b>SP-26-5-S</b>					
Laboratory ID:	03-163-18					
Dalapon	ND	300	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	12	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1200	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1200	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	91	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	12	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	6.1	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	12	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	12	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	29-94				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-27-2.5-S</b>					
Laboratory ID:	03-163-19					
Dalapon	ND	250	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	10	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1000	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1000	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	78	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	10	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.2	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	10	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	10	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	10	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	59	29-94				
<b>Client ID:</b>	<b>SP-27-6-S</b>					
Laboratory ID:	03-163-20					
Dalapon	ND	270	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	83	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.6	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	11	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	51	29-94				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SMW-1-S</b>					
Laboratory ID:	03-163-21					
Dalapon	ND	290	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	12	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1200	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1200	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	89	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	12	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	6.0	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	12	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	12	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	53	29-94				
<b>Client ID:</b>	<b>SMW-2-S</b>					
Laboratory ID:	03-163-22					
Dalapon	ND	280	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	11	EPA 8151A	3-25-14	3-25-14	
MCPD	ND	1100	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	1100	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	86	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	11	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	5.8	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	11	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	11	EPA 8151A	3-25-14	3-25-14	
Dinoseb	<b>9100</b>	1100	EPA 8151A	3-25-14	4-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	62	29-94				

Date of Report: April 1, 2014  
 Samples Submitted: March 21, 2014  
 Laboratory Reference: 1403-163  
 Project: JG1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0325S2					
Dalapon	ND	230	EPA 8151A	3-25-14	3-25-14	
Dicamba	ND	9.4	EPA 8151A	3-25-14	3-25-14	
MCPP	ND	940	EPA 8151A	3-25-14	3-25-14	
MCPA	ND	940	EPA 8151A	3-25-14	3-25-14	
Dichlorprop	ND	71	EPA 8151A	3-25-14	3-25-14	
2,4-D	ND	9.4	EPA 8151A	3-25-14	3-25-14	
Pentachlorophenol	ND	4.8	EPA 8151A	3-25-14	3-25-14	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	3-25-14	3-25-14	
2,4,5-T	ND	9.5	EPA 8151A	3-25-14	3-25-14	
2,4-DB	ND	9.5	EPA 8151A	3-25-14	3-25-14	
Dinoseb	ND	9.5	EPA 8151A	3-25-14	3-25-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	47	29-94				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>											
Laboratory ID:	03-163-01										
	MS	MSD	MS	MSD		MS	MSD				
Dicamba	74.8	73.6	100	100	ND	75	74	27-91	2	14	
2,4-D	66.8	68.8	100	100	10.2	57	59	27-68	3	21	
Pentachlorophenol	7.43	7.45	10.0	10.0	ND	74	75	27-116	0	26	
2,4,5-T	57.0	57.6	100	100	ND	57	58	37-73	1	16	
2,4-DB	62.0	65.0	100	100	ND	62	65	22-95	5	23	
<i>Surrogate:</i>											
DCAA						69	69	29-94			

Date of Report: April 1, 2014  
Samples Submitted: March 21, 2014  
Laboratory Reference: 1403-163  
Project: JG1201

**% MOISTURE**

Date Analyzed: 3-25-14

Client ID	Lab ID	% Moisture
SP-18-2.5-S	03-163-01	18
SP-18-6.5-S	03-163-02	20
SP-19-2.5-S	03-163-03	11
SP-19-5-S	03-163-04	16
SP-20-2.5-S	03-163-05	10
SP-20-6-S	03-163-06	6
SP-21-2.5-S	03-163-07	13
SP-21-6-S	03-163-08	9
SP-22-2.5-S	03-163-09	9
SP-22-5-S	03-163-10	16
SP-23-2.5-S	03-163-11	11
SP-23-6-S	03-163-12	19
SP-24-2.5-S	03-163-13	11
SP-24-5-S	03-163-14	14
SP-26-2.5-S	03-163-17	13
SP-26-5-S	03-163-18	23
SP-27-2.5-S	03-163-19	9
SP-27-6-S	03-163-20	15
SMW-1-S	03-163-21	20
SMW-2-S	03-163-22	17



### Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
  - B - The analyte indicated was also found in the blank sample.
  - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
  - E - The value reported exceeds the quantitation range and is an estimate.
  - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
  - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
  - I - Compound recovery is outside of the control limits.
  - J - The value reported was below the practical quantitation limit. The value is an estimate.
  - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
  - L - The RPD is outside of the control limits.
  - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
  - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
  - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
  - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
  - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
  - P - The RPD of the detected concentrations between the two columns is greater than 40.
  - Q - Surrogate recovery is outside of the control limits.
  - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
  - T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
  - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
  - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
  - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
  - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
  - X - Sample extract treated with a mercury cleanup procedure.
  - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
  - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference





14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

July 7, 2014

Glen Wallace  
Pacific Groundwater Group  
2377 Eastlake Avenue E, Suite 200  
Seattle, WA 98102

Re: Analytical Data for Project JG 1201  
Laboratory Reference No. 1406-223

Dear :

Enclosed are the analytical results and associated quality control data for samples submitted on June 26, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister  
Project Manager

Enclosures

Date of Report: July 7, 2014  
Samples Submitted: June 26, 2014  
Laboratory Reference: 1406-223  
Project: JG 1201

### Case Narrative

Samples were collected on June 25, 2014 and received by the laboratory on June 26, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

***Please note that the water samples all had high turbidity readings. As requested, any samples with a turbidity of above 10 NTUs were centrifuged at 2000 RPMs for 30 minutes at room temperature and then decanted prior to the extraction and analysis for Chlorinated acid Herbicides, Organophosphorus Pesticides, as well as for Organochlorine Pesticides.***

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

### NWTPH-HCID

Matrix: Water  
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-32-36-W</b>					
Laboratory ID:	06-223-07					
Gasoline Range Organics	<b>ND</b>	0.11	NWTPH-HCID	7-1-14	7-1-14	
Diesel Range Organics	<b>ND</b>	0.27	NWTPH-HCID	7-1-14	7-1-14	
Lube Oil Range Organics	<b>ND</b>	0.42	NWTPH-HCID	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

<b>Client ID:</b>	<b>SP-33-20-W</b>					
Laboratory ID:	06-223-08					
Gasoline Range Organics	<b>ND</b>	0.11	NWTPH-HCID	7-1-14	7-1-14	
Diesel Range Organics	<b>ND</b>	0.27	NWTPH-HCID	7-1-14	7-1-14	
Lube Oil Range Organics	<b>ND</b>	0.43	NWTPH-HCID	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				

<b>Client ID:</b>	<b>SP-33-36-W</b>					
Laboratory ID:	06-223-09					
Gasoline Range Organics	<b>ND</b>	0.11	NWTPH-HCID	7-1-14	7-1-14	
Diesel Range Organics	<b>ND</b>	0.28	NWTPH-HCID	7-1-14	7-1-14	
Lube Oil Range Organics	<b>ND</b>	0.46	NWTPH-HCID	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	70	50-150				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**NWTPH-HCID  
 QUALITY CONTROL**

Matrix: Water  
 Units: mg/L (ppm)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0701W1					
Gasoline Range Organics	<b>ND</b>	0.10	NWTPH-HCID	7-1-14	7-1-14	
Diesel Range Organics	<b>ND</b>	0.25	NWTPH-HCID	7-1-14	7-1-14	
Lube Oil Range Organics	<b>ND</b>	0.40	NWTPH-HCID	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	75	50-150				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-30-2-S</b>					
Laboratory ID:	06-223-01					
alpha-BHC	ND	6.1	EPA 8081B	7-3-14	7-4-14	
gamma-BHC	ND	6.1	EPA 8081B	7-3-14	7-4-14	
beta-BHC	ND	6.1	EPA 8081B	7-3-14	7-4-14	
delta-BHC	ND	6.1	EPA 8081B	7-3-14	7-4-14	
Heptachlor	ND	6.1	EPA 8081B	7-3-14	7-4-14	
Aldrin	ND	6.1	EPA 8081B	7-3-14	7-4-14	
Heptachlor Epoxide	ND	6.1	EPA 8081B	7-3-14	7-4-14	
gamma-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
alpha-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDE	71	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan I	ND	6.1	EPA 8081B	7-3-14	7-4-14	
Dieldrin	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDD	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan II	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDT	18	12	EPA 8081B	7-3-14	7-4-14	
Endrin Aldehyde	ND	12	EPA 8081B	7-3-14	7-4-14	
Methoxychlor	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan Sulfate	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Ketone	ND	12	EPA 8081B	7-3-14	7-4-14	
Toxaphene	ND	61	EPA 8081B	7-3-14	7-4-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	74	37-110				
DCB	70	42-114				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-30-5-S</b>					
Laboratory ID:	06-223-02					
alpha-BHC	ND	5.7	EPA 8081B	7-3-14	7-4-14	
gamma-BHC	ND	5.7	EPA 8081B	7-3-14	7-4-14	
beta-BHC	ND	5.7	EPA 8081B	7-3-14	7-4-14	
delta-BHC	ND	5.7	EPA 8081B	7-3-14	7-4-14	
Heptachlor	ND	5.7	EPA 8081B	7-3-14	7-4-14	
Aldrin	ND	5.7	EPA 8081B	7-3-14	7-4-14	
Heptachlor Epoxide	ND	5.7	EPA 8081B	7-3-14	7-4-14	
gamma-Chlordane	ND	11	EPA 8081B	7-3-14	7-4-14	
alpha-Chlordane	ND	11	EPA 8081B	7-3-14	7-4-14	
4,4'-DDE	ND	11	EPA 8081B	7-3-14	7-4-14	
Endosulfan I	ND	5.7	EPA 8081B	7-3-14	7-4-14	
Dieldrin	ND	11	EPA 8081B	7-3-14	7-4-14	
Endrin	ND	11	EPA 8081B	7-3-14	7-4-14	
4,4'-DDD	ND	11	EPA 8081B	7-3-14	7-4-14	
Endosulfan II	ND	11	EPA 8081B	7-3-14	7-4-14	
4,4'-DDT	ND	11	EPA 8081B	7-3-14	7-4-14	
Endrin Aldehyde	ND	11	EPA 8081B	7-3-14	7-4-14	
Methoxychlor	ND	11	EPA 8081B	7-3-14	7-4-14	
Endosulfan Sulfate	ND	11	EPA 8081B	7-3-14	7-4-14	
Endrin Ketone	ND	11	EPA 8081B	7-3-14	7-4-14	
Toxaphene	ND	57	EPA 8081B	7-3-14	7-4-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	37-110				
DCB	74	42-114				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-31-2-S</b>					
Laboratory ID:	06-223-03					
alpha-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
beta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
delta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Aldrin	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
alpha-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDE	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan I	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Dieldrin	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDD	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan II	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDT	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Aldehyde	ND	12	EPA 8081B	7-3-14	7-4-14	
Methoxychlor	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan Sulfate	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Ketone	ND	12	EPA 8081B	7-3-14	7-4-14	
Toxaphene	ND	59	EPA 8081B	7-3-14	7-4-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	63	37-110				
DCB	72	42-114				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-31-5-S</b>					
Laboratory ID:	06-223-04					
alpha-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
beta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
delta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Aldrin	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
alpha-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDE	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan I	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Dieldrin	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDD	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan II	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDT	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Aldehyde	ND	12	EPA 8081B	7-3-14	7-4-14	
Methoxychlor	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan Sulfate	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Ketone	ND	12	EPA 8081B	7-3-14	7-4-14	
Toxaphene	ND	59	EPA 8081B	7-3-14	7-4-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	37-110				
DCB	80	42-114				



Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-28-2-S</b>					
Laboratory ID:	06-223-05					
alpha-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
beta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
delta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Aldrin	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
alpha-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDE	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan I	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Dieldrin	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDD	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan II	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDT	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Aldehyde	ND	12	EPA 8081B	7-3-14	7-4-14	
Methoxychlor	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan Sulfate	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Ketone	ND	12	EPA 8081B	7-3-14	7-4-14	
Toxaphene	ND	59	EPA 8081B	7-3-14	7-4-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	37-110				
DCB	74	42-114				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-29-2-S</b>					
Laboratory ID:	06-223-06					
alpha-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
beta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
delta-BHC	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Aldrin	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Heptachlor Epoxide	ND	5.9	EPA 8081B	7-3-14	7-4-14	
gamma-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
alpha-Chlordane	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDE	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan I	ND	5.9	EPA 8081B	7-3-14	7-4-14	
Dieldrin	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDD	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan II	ND	12	EPA 8081B	7-3-14	7-4-14	
4,4'-DDT	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Aldehyde	ND	12	EPA 8081B	7-3-14	7-4-14	
Methoxychlor	ND	12	EPA 8081B	7-3-14	7-4-14	
Endosulfan Sulfate	ND	12	EPA 8081B	7-3-14	7-4-14	
Endrin Ketone	ND	12	EPA 8081B	7-3-14	7-4-14	
Toxaphene	ND	59	EPA 8081B	7-3-14	7-4-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	37-110				
DCB	76	42-114				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0703S1					
alpha-BHC	ND	5.0	EPA 8081B	7-3-14	7-3-14	
gamma-BHC	ND	5.0	EPA 8081B	7-3-14	7-3-14	
beta-BHC	ND	5.0	EPA 8081B	7-3-14	7-3-14	
delta-BHC	ND	5.0	EPA 8081B	7-3-14	7-3-14	
Heptachlor	ND	5.0	EPA 8081B	7-3-14	7-3-14	
Aldrin	ND	5.0	EPA 8081B	7-3-14	7-3-14	
Heptachlor Epoxide	ND	5.0	EPA 8081B	7-3-14	7-3-14	
gamma-Chlordane	ND	10	EPA 8081B	7-3-14	7-3-14	
alpha-Chlordane	ND	10	EPA 8081B	7-3-14	7-3-14	
4,4'-DDE	ND	10	EPA 8081B	7-3-14	7-3-14	
Endosulfan I	ND	5.0	EPA 8081B	7-3-14	7-3-14	
Dieldrin	ND	10	EPA 8081B	7-3-14	7-3-14	
Endrin	ND	10	EPA 8081B	7-3-14	7-3-14	
4,4'-DDD	ND	10	EPA 8081B	7-3-14	7-3-14	
Endosulfan II	ND	10	EPA 8081B	7-3-14	7-3-14	
4,4'-DDT	ND	10	EPA 8081B	7-3-14	7-3-14	
Endrin Aldehyde	ND	10	EPA 8081B	7-3-14	7-3-14	
Methoxychlor	ND	10	EPA 8081B	7-3-14	7-3-14	
Endosulfan Sulfate	ND	10	EPA 8081B	7-3-14	7-3-14	
Endrin Ketone	ND	10	EPA 8081B	7-3-14	7-3-14	
Toxaphene	ND	50	EPA 8081B	7-3-14	7-3-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>78</i>	<i>37-110</i>				
<i>DCB</i>	<i>84</i>	<i>42-114</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>								
Laboratory ID:	06-223-02							
	MS	MSD	MS	MSD	MS	MSD		
gamma-BHC	75.5	77.6	100	100	ND	76 78	45-117	3 15
Heptachlor	71.3	73.4	100	100	ND	71 73	57-101	3 16
Aldrin	75.6	78.2	100	100	ND	76 78	50-119	3 16
Dieldrin	74.5	77.4	100	100	ND	74 77	45-110	4 17
Endrin	78.2	80.3	100	100	ND	78 80	56-117	3 18
4,4'-DDT	73.5	75.9	100	100	ND	73 76	46-110	3 21
<i>Surrogate:</i>								
<i>TCMX</i>					68	71	37-110	
<i>DCB</i>					73	77	42-114	

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-32-36-W</b>					
Laboratory ID:	06-223-07					
alpha-BHC	<b>0.0069</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
gamma-BHC	<b>0.11</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
beta-BHC	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
delta-BHC	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
Heptachlor	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
Aldrin	<b>0.0056</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
Heptachlor Epoxide	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
gamma-Chlordane	<b>0.085</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
alpha-Chlordane	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
4,4'-DDE	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
Endosulfan I	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
Dieldrin	<b>0.0093</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
Endrin	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
4,4'-DDD	<b>0.012</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
Endosulfan II	<b>0.0060</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
4,4'-DDT	<b>0.013</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
Endrin Aldehyde	<b>0.0069</b>	0.0055	EPA 8081B	6-30-14	6-30-14	P
Methoxychlor	<b>0.052</b>	0.011	EPA 8081B	6-30-14	6-30-14	P
Endosulfan Sulfate	<b>ND</b>	0.0055	EPA 8081B	6-30-14	6-30-14	
Endrin Ketone	<b>ND</b>	0.022	EPA 8081B	6-30-14	6-30-14	
Toxaphene	<b>ND</b>	0.055	EPA 8081B	6-30-14	6-30-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>69</i>	<i>39-93</i>				
<i>DCB</i>	<i>82</i>	<i>31-108</i>				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-33-20-W</b>					
Laboratory ID:	06-223-08					
alpha-BHC	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
gamma-BHC	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
beta-BHC	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
delta-BHC	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Heptachlor	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Aldrin	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Heptachlor Epoxide	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
gamma-Chlordane	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
alpha-Chlordane	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
4,4'-DDE	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Endosulfan I	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Dieldrin	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Endrin	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
4,4'-DDD	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Endosulfan II	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
4,4'-DDT	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Endrin Aldehyde	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Methoxychlor	ND	0.011	EPA 8081B	6-30-14	6-30-14	
Endosulfan Sulfate	ND	0.0055	EPA 8081B	6-30-14	6-30-14	
Endrin Ketone	ND	0.022	EPA 8081B	6-30-14	6-30-14	
Toxaphene	ND	0.055	EPA 8081B	6-30-14	6-30-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	82	39-93				
DCB	89	31-108				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-33-36-W</b>					
Laboratory ID:	06-223-09					
alpha-BHC	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
gamma-BHC	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
beta-BHC	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
delta-BHC	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Heptachlor	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Aldrin	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Heptachlor Epoxide	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
gamma-Chlordane	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
alpha-Chlordane	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
4,4'-DDE	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Endosulfan I	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Dieldrin	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Endrin	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
4,4'-DDD	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Endosulfan II	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
4,4'-DDT	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Endrin Aldehyde	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Methoxychlor	ND	0.011	EPA 8081B	6-30-14	6-30-14	
Endosulfan Sulfate	ND	0.0053	EPA 8081B	6-30-14	6-30-14	
Endrin Ketone	ND	0.021	EPA 8081B	6-30-14	6-30-14	
Toxaphene	ND	0.053	EPA 8081B	6-30-14	6-30-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	77	39-93				
DCB	83	31-108				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOCHLORINE  
 PESTICIDES EPA 8081B  
 QUALITY CONTROL**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0630W1					
alpha-BHC	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
gamma-BHC	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
beta-BHC	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
delta-BHC	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Heptachlor	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Aldrin	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Heptachlor Epoxide	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
gamma-Chlordane	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
alpha-Chlordane	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
4,4'-DDE	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Endosulfan I	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Dieldrin	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Endrin	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
4,4'-DDD	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Endosulfan II	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
4,4'-DDT	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Endrin Aldehyde	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Methoxychlor	ND	0.010	EPA 8081B	6-30-14	6-30-14	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	6-30-14	6-30-14	
Endrin Ketone	ND	0.020	EPA 8081B	6-30-14	6-30-14	
Toxaphene	ND	0.050	EPA 8081B	6-30-14	6-30-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	71	39-93				
<i>DCB</i>	86	31-108				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>SPIKE BLANKS</b>								
Laboratory ID:	SB0630W1							
	SB	SBD	SB	SBD	SB	SBD		
gamma-BHC	0.0885	0.0902	0.100	0.100	N/A	88	90	32-138 2 15
Heptachlor	0.0818	0.0840	0.100	0.100	N/A	82	84	50-124 3 15
Aldrin	0.0869	0.0890	0.100	0.100	N/A	87	89	43-133 2 15
Dieldrin	0.0882	0.0911	0.100	0.100	N/A	88	91	48-128 3 15
Endrin	0.0902	0.0936	0.100	0.100	N/A	90	94	48-139 4 15
4,4'-DDT	0.0873	0.0905	0.100	0.100	N/A	87	91	52-129 4 15
<i>Surrogate:</i>								
<i>TCMX</i>					79	78	39-93	
<i>DCB</i>					86	89	31-108	

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-30-2-S</b>					
Laboratory ID:	06-223-01					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Monocrotophos	ND	0.061	EPA 8270D/SIM	6-30-14	7-1-14	
Naled	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Phorate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Diazinon	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Malathion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Merphos&Merphos-oxone	ND	0.061	EPA 8270D/SIM	6-30-14	7-1-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fensulfothion	ND	0.061	EPA 8270D/SIM	6-30-14	7-1-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
EPN	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>80</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>68</i>	<i>29 - 110</i>				



Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-30-5-S</b>					
Laboratory ID:	06-223-02					
Dichlorvos(DDVP)	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Mevinphos/Phosdrin	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Ethoprophos	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Monocrotophos	ND	0.057	EPA 8270D/SIM	6-30-14	7-1-14	
Naled	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Sulfotepp	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Phorate	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Dimethoate	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Demeton-S	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Diazinon	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Disulfoton	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-methyl	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Fenchlorphos/Ronnel	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Malathion	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Fenthion	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-ethyl	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Chlorpyrifos/Dursban	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Trichloronate	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Merphos&Merphos-oxone	ND	0.057	EPA 8270D/SIM	6-30-14	7-1-14	
Stirofos/Tetrachlorvinphos	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Tokuthion/Prothiofos	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Fensulfothion	ND	0.057	EPA 8270D/SIM	6-30-14	7-1-14	
Bolstar/Sulprofos	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
EPN	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Azinphos-methyl/Guthion	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
Coumaphos	ND	0.023	EPA 8270D/SIM	6-30-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>91</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>83</i>	<i>29 - 110</i>				

Date of Report: July 7, 2014  
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 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-31-2-S</b>					
Laboratory ID:	06-223-03					
Dichlorvos(DDVP)	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Mevinphos/Phosdrin	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Ethoprophos	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Monocrotophos	ND	0.067	EPA 8270D/SIM	6-30-14	7-1-14	
Naled	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Sulfotepp	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Phorate	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Dimethoate	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Demeton-S	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Diazinon	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Disulfoton	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-methyl	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Fenchlorphos/Ronnel	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Malathion	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Fenthion	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-ethyl	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Chlorpyrifos/Dursban	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Trichloronate	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Merphos&Merphos-oxone	ND	0.067	EPA 8270D/SIM	6-30-14	7-1-14	
Stirofos/Tetrachlorvinphos	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Tokuthion/Prothiofos	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Fensulfothion	ND	0.067	EPA 8270D/SIM	6-30-14	7-1-14	
Bolstar/Sulprofos	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
EPN	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Azinphos-methyl/Guthion	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
Coumaphos	ND	0.027	EPA 8270D/SIM	6-30-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>69</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>61</i>	<i>29 - 110</i>				

Date of Report: July 7, 2014  
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 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-31-5-S</b>					
Laboratory ID:	06-223-04					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Naled	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Phorate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Diazinon	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Malathion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
EPN	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	73	16 - 107				
<i>Triphenyl phosphate</i>	63	29 - 110				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-28-2-S</b>					
Laboratory ID:	06-223-05					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Naled	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Phorate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Diazinon	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Malathion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
EPN	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>55</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>52</i>	<i>29 - 110</i>				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-29-2-S</b>					
Laboratory ID:	06-223-06					
Dichlorvos(DDVP)	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Mevinphos/Phosdrin	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Ethoprophos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Monocrotophos	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Naled	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Sulfotepp	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Phorate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Dimethoate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Demeton-S	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Diazinon	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Disulfoton	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-methyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenchlorphos/Ronnel	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Malathion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fenthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Parathion-ethyl	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Chlorpyrifos/Dursban	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Trichloronate	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Merphos&Merphos-oxone	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Stirofos/Tetrachlorvinphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Tokuthion/Prothiofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Fensulfothion	ND	0.059	EPA 8270D/SIM	6-30-14	7-1-14	
Bolstar/Sulprofos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
EPN	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Azinphos-methyl/Guthion	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
Coumaphos	ND	0.024	EPA 8270D/SIM	6-30-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>72</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>64</i>	<i>29 - 110</i>				

Date of Report: July 7, 2014  
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 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
Laboratory ID:	MB0630S1					
Dichlorvos(DDVP)	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Mevinphos/Phosdrin	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Ethoprophos	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Monocrotophos	ND	0.050	EPA 8270D/SIM	6-30-14	6-30-14	
Naled	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Sulfotepp	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Phorate	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Dimethoate	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Demeton-S	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Diazinon	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Disulfoton	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Parathion-methyl	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Fenclorphos/Ronnel	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Malathion	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Fenthion	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Parathion-ethyl	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Chlorpyrifos/Dursban	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Trichloronate	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Merphos&Merphos-oxone	ND	0.050	EPA 8270D/SIM	6-30-14	6-30-14	
Stirofos/Tetrachlorvinphos	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Tokuthion/Prothiofos	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Fensulfothion	ND	0.050	EPA 8270D/SIM	6-30-14	6-30-14	
Bolstar/Sulprofos	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
EPN	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Azinphos-methyl/Guthion	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
Coumaphos	ND	0.020	EPA 8270D/SIM	6-30-14	6-30-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>67</i>	<i>16 - 107</i>				
<i>Triphenyl phosphate</i>	<i>74</i>	<i>29 - 110</i>				

Date of Report: July 7, 2014  
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 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
	SB	SBD	SB	SBD	SB	SBD				
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0630S1									
Dichlorvos(DDVP)	<b>0.0760</b>	<b>0.0719</b>	0.100	0.100	76	72	30 - 94	6	30	
Mevinphos/Phosdrin	<b>0.0792</b>	<b>0.0787</b>	0.100	0.100	79	79	10 - 121	1	30	
Ethoprophos	<b>0.0906</b>	<b>0.0904</b>	0.100	0.100	91	90	32 - 110	0	30	
Sulfotepp	<b>0.0831</b>	<b>0.0788</b>	0.100	0.100	83	79	39 - 96	5	30	
Phorate	<b>0.0856</b>	<b>0.0862</b>	0.100	0.100	86	86	39 - 98	1	30	
Dimethoate	<b>0.0894</b>	<b>0.0885</b>	0.100	0.100	89	89	16 - 128	1	30	
Demeton-S	<b>0.0848</b>	<b>0.0868</b>	0.100	0.100	85	87	21 - 112	2	30	
Diazinon	<b>0.0787</b>	<b>0.0800</b>	0.100	0.100	79	80	37 - 93	2	30	
Disulfoton	<b>0.0831</b>	<b>0.0837</b>	0.100	0.100	83	84	38 - 98	1	30	
Parathion-methyl	<b>0.0944</b>	<b>0.0959</b>	0.100	0.100	94	96	37 - 98	2	30	
Fenclorophos/Ronnel	<b>0.0841</b>	<b>0.0830</b>	0.100	0.100	84	83	39 - 102	1	30	
Malathion	<b>0.0911</b>	<b>0.0895</b>	0.100	0.100	91	90	10 - 168	2	30	
Fenthion	<b>0.0815</b>	<b>0.0796</b>	0.100	0.100	82	80	40 - 100	2	30	
Parathion-ethyl	<b>0.0715</b>	<b>0.0712</b>	0.100	0.100	72	71	33 - 100	0	30	
Chlorpyrifos/Dursban	<b>0.0897</b>	<b>0.0912</b>	0.100	0.100	90	91	41 - 100	2	30	
Trichloronate	<b>0.0814</b>	<b>0.0797</b>	0.100	0.100	81	80	38 - 101	2	30	
Stirofos/Tetrachlorvinphos	<b>0.0884</b>	<b>0.0909</b>	0.100	0.100	88	91	10 - 172	3	30	
Tokuthion/Prothiofos	<b>0.0898</b>	<b>0.0898</b>	0.100	0.100	90	90	41 - 101	0	30	
Fensulfotion	<b>0.105</b>	<b>0.111</b>	0.100	0.100	105	111	10 - 131	6	30	
Bolstar/Sulprofos	<b>0.0844</b>	<b>0.0865</b>	0.100	0.100	84	87	39 - 103	2	30	
EPN	<b>0.103</b>	<b>0.107</b>	0.100	0.100	103	107	38 - 107	4	30	
Azinphos-methyl/Guthion	<b>0.0824</b>	<b>0.0851</b>	0.100	0.100	82	85	10 - 177	3	30	
Coumaphos	<b>0.0887</b>	<b>0.0918</b>	0.100	0.100	89	92	10 - 165	3	30	
<i>Surrogate:</i>										
<i>Tributyl phosphate</i>					92	86	16 - 107			
<i>Triphenyl phosphate</i>					81	84	29 - 110			

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-32-36-W</b>					
Laboratory ID:	06-223-07					
Dichlorvos(DDVP)	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Mevinphos/Phosdrin	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Ethoprophos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Monocrotophos	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Naled	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Sulfotepp	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Phorate	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Dimethoate	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Demeton-S	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Diazinon	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Disulfoton	0.36	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-methyl	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Fenclorphos/Ronnel	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Malathion	13	1.0	EPA 8270D/SIM	7-2-14	7-2-14	
Fenthion	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-ethyl	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Chlorpyrifos/Dursban	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Trichloronate	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Merphos&Merphos-oxone	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Stirofos/Tetrachlorvinphos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Tokuthion/Prothiofos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Fensulfothion	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Bolstar/Sulprofos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
EPN	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Azinphos-methyl/Guthion	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Coumaphos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>92</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>85</i>	<i>52 - 137</i>				



Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-33-20-W</b>					
Laboratory ID:	06-223-08					
Dichlorvos(DDVP)	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Mevinphos/Phosdrin	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Ethoprophos	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Monocrotophos	ND	0.53	EPA 8270D/SIM	7-2-14	7-2-14	
Naled	ND	0.53	EPA 8270D/SIM	7-2-14	7-2-14	
Sulfotepp	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Phorate	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Dimethoate	ND	0.53	EPA 8270D/SIM	7-2-14	7-2-14	
Demeton-S	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Diazinon	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Disulfoton	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-methyl	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Fenclorphos/Ronnel	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Malathion	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Fenthion	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-ethyl	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Chlorpyrifos/Dursban	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Trichloronate	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Merphos&Merphos-oxone	ND	0.53	EPA 8270D/SIM	7-2-14	7-2-14	
Stirofos/Tetrachlorvinphos	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Tokuthion/Prothiofos	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Fensulfothion	ND	0.53	EPA 8270D/SIM	7-2-14	7-2-14	
Bolstar/Sulprofos	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
EPN	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
Azinphos-methyl/Guthion	ND	0.53	EPA 8270D/SIM	7-2-14	7-2-14	
Coumaphos	ND	0.21	EPA 8270D/SIM	7-2-14	7-2-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>81</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>80</i>	<i>52 - 137</i>				

Date of Report: July 7, 2014  
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 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-33-36-W</b>					
Laboratory ID:	06-223-09					
Dichlorvos(DDVP)	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Mevinphos/Phosdrin	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Ethoprophos	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Monocrotophos	ND	0.55	EPA 8270D/SIM	7-2-14	7-2-14	
Naled	ND	0.55	EPA 8270D/SIM	7-2-14	7-2-14	
Sulfotepp	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Phorate	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Dimethoate	ND	0.55	EPA 8270D/SIM	7-2-14	7-2-14	
Demeton-S	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Diazinon	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Disulfoton	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-methyl	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Fenclorphos/Ronnel	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Malathion	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Fenthion	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-ethyl	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Chlorpyrifos/Dursban	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Trichloronate	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Merphos&Merphos-oxone	ND	0.55	EPA 8270D/SIM	7-2-14	7-2-14	
Stirofos/Tetrachlorvinphos	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Tokuthion/Prothiofos	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Fensulfothion	ND	0.55	EPA 8270D/SIM	7-2-14	7-2-14	
Bolstar/Sulprofos	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
EPN	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
Azinphos-methyl/Guthion	ND	0.55	EPA 8270D/SIM	7-2-14	7-2-14	
Coumaphos	ND	0.22	EPA 8270D/SIM	7-2-14	7-2-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>80</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>76</i>	<i>52 - 137</i>				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 METHOD BLANK QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0702W1					
Dichlorvos(DDVP)	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Mevinphos/Phosdrin	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Ethoprophos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Monocrotophos	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Naled	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Sulfotepp	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Phorate	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Dimethoate	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Demeton-S	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Diazinon	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Disulfoton	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-methyl	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Fenclorphos/Ronnel	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Malathion	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Fenthion	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Parathion-ethyl	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Chlorpyrifos/Dursban	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Trichloronate	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Merphos&Merphos-oxone	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Stirofos/Tetrachlorvinphos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Tokuthion/Prothiofos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Fensulfothion	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Bolstar/Sulprofos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
EPN	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
Azinphos-methyl/Guthion	ND	0.50	EPA 8270D/SIM	7-2-14	7-2-14	
Coumaphos	ND	0.20	EPA 8270D/SIM	7-2-14	7-2-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Tributyl phosphate</i>	<i>77</i>	<i>54 - 118</i>				
<i>Triphenyl phosphate</i>	<i>83</i>	<i>52 - 137</i>				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**ORGANOPHOSPHORUS  
 PESTICIDES EPA 8270D/SIM  
 SB/SBD QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
	SB	SBD	SB	SBD	SB	SBD				
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0702W1									
Dichlorvos(DDVP)	<b>0.741</b>	<b>0.766</b>	1.00	1.00	74	77	60 - 120	3	30	
Mevinphos/Phosdrin	<b>0.814</b>	<b>0.908</b>	1.00	1.00	81	91	60 - 120	11	30	
Ethoprophos	<b>0.798</b>	<b>0.941</b>	1.00	1.00	80	94	60 - 120	16	30	
Sulfotepp	<b>0.806</b>	<b>0.890</b>	1.00	1.00	81	89	60 - 120	10	30	
Phorate	<b>0.643</b>	<b>0.779</b>	1.00	1.00	64	78	60 - 120	19	30	
Dimethoate	<b>0.243</b>	<b>0.26</b>	1.00	1.00	24	26	24 - 99	3	30	
Diazinon	<b>0.752</b>	<b>0.865</b>	1.00	1.00	75	87	60 - 120	14	30	
Parathion-methyl	<b>0.936</b>	<b>1.13</b>	1.00	1.00	94	113	60 - 120	19	30	
Fenchlorphos/Ronnel	<b>0.742</b>	<b>0.861</b>	1.00	1.00	74	86	60 - 120	15	30	
Malathion	<b>0.851</b>	<b>1.03</b>	1.00	1.00	85	103	60 - 120	19	30	
Fenthion	<b>0.649</b>	<b>0.778</b>	1.00	1.00	65	78	60 - 120	18	30	
Parathion-ethyl	<b>0.737</b>	<b>0.918</b>	1.00	1.00	74	92	60 - 120	22	30	
Chlorpyrifos/Dursban	<b>0.779</b>	<b>0.918</b>	1.00	1.00	78	92	60 - 120	16	30	
Trichloronate	<b>0.734</b>	<b>0.840</b>	1.00	1.00	73	84	30 - 100	13	30	
Stirofos/Tetrachlorvinphos	<b>0.946</b>	<b>1.11</b>	1.00	1.00	95	111	60 - 120	16	30	
Tokuthion/Prothiofos	<b>0.813</b>	<b>1.00</b>	1.00	1.00	81	100	60 - 120	21	30	
Fensulfothion	<b>1.24</b>	<b>1.46</b>	1.00	1.00	124	146	70 - 150	16	30	
Bolstar/Sulprofos	<b>0.713</b>	<b>0.846</b>	1.00	1.00	71	85	60 - 120	17	30	
EPN	<b>1.25</b>	<b>1.47</b>	1.00	1.00	125	147	70 - 150	16	30	
Azinphos-methyl/Guthion	<b>0.903</b>	<b>1.09</b>	1.00	1.00	90	109	60 - 120	19	30	
Coumaphos	<b>0.926</b>	<b>1.13</b>	1.00	1.00	93	113	60 - 120	20	30	
<i>Surrogate:</i>										
<i>Tributyl phosphate</i>					<i>81</i>	<i>94</i>	<i>54 - 118</i>			
<i>Triphenyl phosphate</i>					<i>80</i>	<i>94</i>	<i>52 - 137</i>			

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-30-2-S</b>					
Laboratory ID:	06-223-01					
Dalapon	ND	280	EPA 8151A	7-1-14	7-2-14	
Dicamba	ND	11	EPA 8151A	7-1-14	7-2-14	
MCPD	ND	1100	EPA 8151A	7-1-14	7-2-14	
MCPA	ND	1100	EPA 8151A	7-1-14	7-2-14	
Dichlorprop	ND	86	EPA 8151A	7-1-14	7-2-14	
2,4-D	ND	11	EPA 8151A	7-1-14	7-2-14	
Pentachlorophenol	ND	5.8	EPA 8151A	7-1-14	7-2-14	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-1-14	7-2-14	
2,4,5-T	ND	12	EPA 8151A	7-1-14	7-2-14	
2,4-DB	ND	12	EPA 8151A	7-1-14	7-2-14	
Dinoseb	ND	11	EPA 8151A	7-1-14	7-2-14	

Surrogate:	Percent Recovery	Control Limits
DCAA	58	29-94

<b>Client ID:</b>	<b>SP-30-5-S</b>					
Laboratory ID:	06-223-02					
Dalapon	ND	260	EPA 8151A	7-1-14	7-1-14	
Dicamba	ND	11	EPA 8151A	7-1-14	7-1-14	
MCPD	ND	1100	EPA 8151A	7-1-14	7-1-14	
MCPA	ND	1100	EPA 8151A	7-1-14	7-1-14	
Dichlorprop	ND	81	EPA 8151A	7-1-14	7-1-14	
2,4-D	ND	11	EPA 8151A	7-1-14	7-1-14	
Pentachlorophenol	ND	5.4	EPA 8151A	7-1-14	7-1-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4,5-T	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4-DB	ND	11	EPA 8151A	7-1-14	7-1-14	
Dinoseb	ND	11	EPA 8151A	7-1-14	7-1-14	

Surrogate:	Percent Recovery	Control Limits
DCAA	61	29-94

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-31-2-S</b>					
Laboratory ID:	06-223-03					
Dalapon	ND	310	EPA 8151A	7-1-14	7-1-14	
Dicamba	ND	13	EPA 8151A	7-1-14	7-1-14	
MCPPP	ND	1200	EPA 8151A	7-1-14	7-1-14	
MCPA	ND	1200	EPA 8151A	7-1-14	7-1-14	
Dichlorprop	ND	94	EPA 8151A	7-1-14	7-1-14	
2,4-D	ND	13	EPA 8151A	7-1-14	7-1-14	
Pentachlorophenol	ND	6.3	EPA 8151A	7-1-14	7-1-14	
2,4,5-TP (Silvex)	ND	13	EPA 8151A	7-1-14	7-1-14	
2,4,5-T	ND	13	EPA 8151A	7-1-14	7-1-14	
2,4-DB	ND	13	EPA 8151A	7-1-14	7-1-14	
Dinoseb	ND	13	EPA 8151A	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	67	29-94				
<b>Client ID:</b>	<b>SP-31-5-S</b>					
Laboratory ID:	06-223-04					
Dalapon	ND	270	EPA 8151A	7-1-14	7-1-14	
Dicamba	ND	11	EPA 8151A	7-1-14	7-1-14	
MCPPP	ND	1100	EPA 8151A	7-1-14	7-1-14	
MCPA	ND	1100	EPA 8151A	7-1-14	7-1-14	
Dichlorprop	ND	84	EPA 8151A	7-1-14	7-1-14	
2,4-D	ND	11	EPA 8151A	7-1-14	7-1-14	
Pentachlorophenol	ND	5.6	EPA 8151A	7-1-14	7-1-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4,5-T	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4-DB	ND	11	EPA 8151A	7-1-14	7-1-14	
Dinoseb	ND	11	EPA 8151A	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	68	29-94				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Soil  
 Units: ug/Kg (ppb)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-28-2-S</b>					
Laboratory ID:	06-223-05					
Dalapon	ND	270	EPA 8151A	7-1-14	7-1-14	
Dicamba	ND	11	EPA 8151A	7-1-14	7-1-14	
MCPD	ND	1100	EPA 8151A	7-1-14	7-1-14	
MCPA	ND	1100	EPA 8151A	7-1-14	7-1-14	
Dichlorprop	ND	84	EPA 8151A	7-1-14	7-1-14	
2,4-D	ND	11	EPA 8151A	7-1-14	7-1-14	
Pentachlorophenol	ND	5.6	EPA 8151A	7-1-14	7-1-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4,5-T	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4-DB	ND	11	EPA 8151A	7-1-14	7-1-14	
Dinoseb	ND	11	EPA 8151A	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	67	29-94				
<b>Client ID:</b>	<b>SP-29-2-S</b>					
Laboratory ID:	06-223-06					
Dalapon	ND	270	EPA 8151A	7-1-14	7-1-14	
Dicamba	ND	11	EPA 8151A	7-1-14	7-1-14	
MCPD	ND	1100	EPA 8151A	7-1-14	7-1-14	
MCPA	ND	1100	EPA 8151A	7-1-14	7-1-14	
Dichlorprop	ND	83	EPA 8151A	7-1-14	7-1-14	
2,4-D	ND	11	EPA 8151A	7-1-14	7-1-14	
Pentachlorophenol	ND	5.6	EPA 8151A	7-1-14	7-1-14	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4,5-T	ND	11	EPA 8151A	7-1-14	7-1-14	
2,4-DB	ND	11	EPA 8151A	7-1-14	7-1-14	
Dinoseb	ND	11	EPA 8151A	7-1-14	7-1-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	71	29-94				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 QUALITY CONTROL**

Matrix: Soil  
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0701S2					
Dalapon	ND	230	EPA 8151A	7-1-14	7-2-14	
Dicamba	ND	9.4	EPA 8151A	7-1-14	7-2-14	
MCPP	ND	940	EPA 8151A	7-1-14	7-2-14	
MCPA	ND	940	EPA 8151A	7-1-14	7-2-14	
Dichlorprop	ND	71	EPA 8151A	7-1-14	7-2-14	
2,4-D	ND	9.4	EPA 8151A	7-1-14	7-2-14	
Pentachlorophenol	ND	4.8	EPA 8151A	7-1-14	7-2-14	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	7-1-14	7-2-14	
2,4,5-T	ND	9.5	EPA 8151A	7-1-14	7-2-14	
2,4-DB	ND	9.5	EPA 8151A	7-1-14	7-2-14	
Dinoseb	ND	9.5	EPA 8151A	7-1-14	7-2-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	63	29-94				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>SPIKE BLANKS</b>											
Laboratory ID:	SB0701S2										
	SB	SBD	SB	SBD		SB	SBD				
Dicamba	60.9	65.3	100	100	N/A	61	65	51-89	7	15	
2,4-D	66.0	70.5	100	100	N/A	66	70	35-80	7	22	
Pentachlorophenol	5.63	7.06	10.0	10.0	N/A	56	71	56-103	23	25	
2,4,5-T	75.5	79.1	100	100	N/A	76	79	47-84	5	21	
2,4-DB	68.7	70.5	100	100	N/A	69	71	28-96	3	28	
<i>Surrogate:</i>											
DCAA						83	59	29-94			



Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-32-36-W</b>					
Laboratory ID:	06-223-07					
Dalapon	ND	0.50	EPA 8151A	6-27-14	6-27-14	
Dicamba	1.7	0.051	EPA 8151A	6-27-14	6-27-14	
MCPPP	14	5.1	EPA 8151A	6-27-14	6-27-14	P
MCPA	87	7.7	EPA 8151A	6-27-14	6-27-14	
Dichlorprop	ND	0.052	EPA 8151A	6-27-14	6-27-14	
2,4-D	0.42	0.051	EPA 8151A	6-27-14	6-27-14	
Pentachlorophenol	ND	0.010	EPA 8151A	6-27-14	6-27-14	
2,4,5-TP (Silvex)	ND	0.052	EPA 8151A	6-27-14	6-27-14	
2,4,5-T	ND	0.052	EPA 8151A	6-27-14	6-27-14	
2,4-DB	ND	0.078	EPA 8151A	6-27-14	6-27-14	
Dinoseb	3.5	1.0	EPA 8151A	6-27-14	7-8-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	90	30-96				
<b>Client ID:</b>	<b>SP-33-20-W</b>					
Laboratory ID:	06-223-08					
Dalapon	ND	0.51	EPA 8151A	6-27-14	6-27-14	
Dicamba	ND	0.052	EPA 8151A	6-27-14	6-27-14	
MCPPP	ND	5.2	EPA 8151A	6-27-14	6-27-14	
MCPA	ND	7.7	EPA 8151A	6-27-14	6-27-14	
Dichlorprop	ND	0.052	EPA 8151A	6-27-14	6-27-14	
2,4-D	ND	0.052	EPA 8151A	6-27-14	6-27-14	
Pentachlorophenol	ND	0.010	EPA 8151A	6-27-14	6-27-14	
2,4,5-TP (Silvex)	ND	0.052	EPA 8151A	6-27-14	6-27-14	
2,4,5-T	ND	0.052	EPA 8151A	6-27-14	6-27-14	
2,4-DB	ND	0.078	EPA 8151A	6-27-14	6-27-14	
Dinoseb	ND	0.052	EPA 8151A	6-27-14	6-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	58	30-96				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>SP-33-36-W</b>					
Laboratory ID:	06-223-09					
Dalapon	<b>ND</b>	0.48	EPA 8151A	6-27-14	6-27-14	
Dicamba	<b>ND</b>	0.049	EPA 8151A	6-27-14	6-27-14	
MCPPP	<b>ND</b>	4.9	EPA 8151A	6-27-14	6-27-14	
MCPA	<b>ND</b>	7.4	EPA 8151A	6-27-14	6-27-14	
Dichlorprop	<b>ND</b>	0.050	EPA 8151A	6-27-14	6-27-14	
2,4-D	<b>ND</b>	0.049	EPA 8151A	6-27-14	6-27-14	
Pentachlorophenol	<b>ND</b>	0.010	EPA 8151A	6-27-14	6-27-14	
2,4,5-TP (Silvex)	<b>ND</b>	0.050	EPA 8151A	6-27-14	6-27-14	
2,4,5-T	<b>ND</b>	0.050	EPA 8151A	6-27-14	6-27-14	
2,4-DB	<b>ND</b>	0.075	EPA 8151A	6-27-14	6-27-14	
Dinoseb	<b>0.29</b>	0.050	EPA 8151A	6-27-14	6-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	45	30-96				

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**CHLORINATED ACID  
 HERBICIDES EPA 8151A  
 QUALITY CONTROL**

Matrix: Water  
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0627W1					
Dalapon	ND	0.46	EPA 8151A	6-27-14	6-27-14	
Dicamba	ND	0.047	EPA 8151A	6-27-14	6-27-14	
MCPPE	ND	4.7	EPA 8151A	6-27-14	6-27-14	
MCPA	ND	7.0	EPA 8151A	6-27-14	6-27-14	
Dichlorprop	ND	0.047	EPA 8151A	6-27-14	6-27-14	
2,4-D	ND	0.047	EPA 8151A	6-27-14	6-27-14	
Pentachlorophenol	ND	0.0095	EPA 8151A	6-27-14	6-27-14	
2,4,5-TP (Silvex)	ND	0.048	EPA 8151A	6-27-14	6-27-14	
2,4,5-T	ND	0.047	EPA 8151A	6-27-14	6-27-14	
2,4-DB	ND	0.071	EPA 8151A	6-27-14	6-27-14	
Dinoseb	ND	0.047	EPA 8151A	6-27-14	6-27-14	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	48	30-96				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>SPIKE BLANKS</b>											
Laboratory ID:	SB0627W1										
	SB	SBD	SB	SBD		SB	SBD				
Dicamba	0.679	0.697	1.00	1.00	N/A	68	70	33-91	3	14	
2,4-D	0.707	0.703	1.00	1.00	N/A	71	70	35-75	1	17	
Pentachlorophenol	0.0778	0.0840	0.100	0.100	N/A	78	84	44-101	8	21	
2,4,5-T	0.808	0.804	1.00	1.00	N/A	81	80	40-88	0	13	
2,4-DB	0.775	0.742	1.00	1.00	N/A	77	74	22-99	4	18	
<i>Surrogate:</i>											
DCAA						68	65	30-96			

Date of Report: July 7, 2014  
Samples Submitted: June 26, 2014  
Laboratory Reference: 1406-223  
Project: JG 1201

**TURBIDITY**  
**EPA 180.1**

Matrix: Water  
Units: NTU

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>SP-32-36-W</b>					
Laboratory ID:	06-223-07					
Turbidity	<b>200</b>	0.50	EPA 180.1	6-26-14	6-26-14	

<b>Client ID:</b>	<b>SP-33-20-W</b>					
Laboratory ID:	06-223-08					
Turbidity	<b>670</b>	2.0	EPA 180.1	6-26-14	6-26-14	

<b>Client ID:</b>	<b>SP-33-36-W</b>					
Laboratory ID:	06-223-09					
Turbidity	<b>200</b>	0.50	EPA 180.1	6-26-14	6-26-14	

Date of Report: July 7, 2014  
 Samples Submitted: June 26, 2014  
 Laboratory Reference: 1406-223  
 Project: JG 1201

**TURBIDITY  
 EPA 180.1  
 QUALITY CONTROL**

Matrix: Water  
 Units: NTU

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0626W1					
Turbidity	<b>ND</b>	0.10	EPA 180.1	6-26-14	6-26-14	

<b>Analyte</b>	<b>Result</b>	<b>Spike Level</b>	<b>Source Result</b>	<b>Percent Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limit</b>	<b>Flags</b>
<b>DUPLICATE</b>								
Laboratory ID:	06-223-07							
	ORIG	DUP						
Turbidity	<b>197</b>	<b>196</b>	NA	NA	NA	NA	1	15

Date of Report: July 7, 2014  
Samples Submitted: June 26, 2014  
Laboratory Reference: 1406-223  
Project: JG 1201

### % MOISTURE

Date Analyzed: 6-27-14

Client ID	Lab ID	% Moisture
SP-30-2-S	06-223-01	18
SP-30-5-S	06-223-02	12
SP-31-2-S	06-223-03	25
SP-31-5-S	06-223-04	16
SP-28-2-S	06-223-05	16
SP-29-2-S	06-223-06	15



### Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
  - B - The analyte indicated was also found in the blank sample.
  - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
  - E - The value reported exceeds the quantitation range and is an estimate.
  - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
  - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
  - I - Compound recovery is outside of the control limits.
  - J - The value reported was below the practical quantitation limit. The value is an estimate.
  - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
  - L - The RPD is outside of the control limits.
  - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
  - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
  - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
  - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
  - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
  - P - The RPD of the detected concentrations between the two columns is greater than 40.
  - Q - Surrogate recovery is outside of the control limits.
  - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
  - T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
  - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
  - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
  - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
  - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
  - X - Sample extract treated with a mercury cleanup procedure.
  - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
  - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference



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 Phone: (425) 883-3881 • www.onsite-env.com

# Chain of Custody

Turnaround Request  
 (in working days)  
 (Check One)

Laboratory Number:

**06-223**

Same Day  1 Day

2 Days  3 Days

Standard (7 Days)  
 (TPH analysis 5 Days)

\_\_\_\_\_ (other)

**Number of Containers**

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx	
Volatiles 8260C	
Halogenated Volatiles 8260C	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
Turbidity (NTU)	
% Moisture	

Company: **PLG**

Project Number: **56-1201**

Project Name: **Sunny Side Arpa-Pesticide**

Project Manager: **Alan Wallace**

Sampled by: **Gen**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	SP-30-2-S	6/25/14	955	S	1
2	SP-30-5-S		1000	S	1
3	SP-31-2-S		1025	S	1
4	SP-31-5-S		1030	S	1
5	SP-28-2-S		1225	S	1
6	SP-24-2-S		1215	S	1
7	SP-32-36-L		1300	L	11 X
8	SP-33-20-L	15-	1530	L	11 X
9	SP-33-36-L	6/25/14	1445	L	11 X

Relinquished	Received	Relinquished	Received	Relinquished	Received
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Company: <b>PLG</b>	Company: <b>PLG</b>	Company: <b>PLG</b>	Company: <b>PLG</b>	Company: <b>PLG</b>	Company: <b>PLG</b>
Date: <b>6/26/14</b>	Date: <b>6/26/14</b>	Date: <b>6/26/14</b>	Date: <b>6/26/14</b>	Date: <b>6/26/14</b>	Date: <b>6/26/14</b>
Time: <b>915</b>	Time: <b>934</b>	Time: <b>1020</b>	Time: <b>1020</b>	Time: <b>1020</b>	Time: <b>1020</b>
Comments/Special Instructions: <b>Pls. Contact Fugate Lake Samples</b> <b>if turbidity above 10 NTU.</b> <b>- Thanks.</b>					
Reviewed/Date: _____ Reviewed/Date: _____ Reviewed/Date: _____ Reviewed/Date: _____					



P 206.329.0141 | F 206.329.6968

2377 Eastlake Avenue East | Seattle, WA 98102

P 360.570.8244 | F 360.570.0064

1627 Linwood Avenue SW | Tumwater, WA 98512

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