Pinewood Interim Administrator, Inc.
As Interim Administrator of the
Pinewood Site Custodial Trust
c/o Moore & Van Allen, PLLC
78 Wentworth Street
Charleston, SC 29401
Phone: (843) 579-7000

October 9, 2015

VIA HAND DELIVERY
Ms. Cynde Devlin
Hydrogeologist
Division of Hydrogeology
Bureau of Land and Waste Management
SC Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Re: Third Quarter 2015 Water Table Monitoring Program Report
(Former 3008h Order 87-27-R)
Pinewood Site
EPA ID No. SCD070375985

Dear Ms. Devlin:

Pinewood Interim Administrator, Inc., as Interim Administrator of the Pinewood Site Custodial Trust (PSCT), is transmitting the above referenced report regarding activities related to the Water Table Monitoring Program which includes sampling of surface water features and shallow groundwater. The report was prepared by Smith Gardner, Inc. on behalf of the PSCT.

Please call me if you have any questions at (843) 579-7000.

Sincerely,

Pinewood Site Custodial Trust

By Pinewood Interim Administrator, Inc.
A South Carolina Non Profit Corporation,
As Article 8 Interim Administrator of the
Pinewood Site Custodial Trust under
Trust Instrument Dated December 24, 2003:

Robert A. Kerr

By: Robert A. Kerr, Jr.
Its: Vice President

cc: (provided by Smith Gardner, Inc.)
Mr. Keith Lane, SC DHEC
Mr. Brian Burgess, Sumter Transport Company (Pinewood Site)

Third Quarter 2015 Water Table Monitoring Program Report

Pinewood Site
Pinewood, South Carolina
SCD 070 375 985

Prepared for:

Pinewood Interim Administrator, Inc.
c/o Moore & Van Allen, PLLC
Interim Administrator of the Pinewood Site Custodial Trust
78 Wentworth Street
Charleston, South Carolina 29401

Pinewood Site
Custodial Trust

October 2015

Prepared by:

SMITH+GARDNER

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Third Quarter 2015 Water Table Monitoring Program Report

Pinewood Site
Pinewood, South Carolina
SCD 070 375 985

Prepared For:

Pinewood Interim Administrator, Inc.
Interim Administrator of the Pinewood Site Custodial Trust

S+G Project No. Pinewood-12-8

I certify that environmental monitoring documents prepared for the Pinewood Landfill Site under the Agreement between Kestrel Horizons, LLC as Trustee of the Pinewood Site Custodial Trust (Owner) and Smith Gardner, Inc. (Engineer) dated January 1, 2014 as amended, including Amendment A-12 substituting Pinewood Interim Administrator, Inc. as Interim Administrator of the Pinewood Site Custodial Trust (Owner), have been prepared and reviewed in accordance with accepted quality control. My South Carolina licensed professional geologist seal and signature on a document constitutes a certification that the document was prepared by me or under my direct supervision, and that I have reviewed the document in sufficient depth to fully coordinate and assume responsibility for materials prepared by another registrant.

SMITH GARDNER, INC.

BOBBY J. WOLF
REGISTERED
No.
2472
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

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October 2015

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List of Acronyms

1,1-DCE	1,1-Dichloroethylene
1,1-DCA	1,1-Dichloroethane
BoW	Bureau of Water
°C	Degrees Celsius
Cis-1,2-DCE	Cis-1,2-Dichloroethene
DMP	Detection Monitoring Program
EPA	United States Environmental Protection Agency
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
MSL	Mean Sea Level
NTU	Nephelometric Turbidity Units
OC	Opaline Claystone
PCE	Tetrachloroethylene
PDB	Passive Diffusion Bag
POC	Point of Compliance
PQL	Practical Quantitation Limit
PSCT	Pinewood Site Custodial Trust
PSDL	Primary Sawdust Landing
PSSB	Primary Stormwater Sedimentation Basin
RCRA	Resource Conservation and Recovery Act
S+G	Smith Gardner, Inc.
SAP	Sampling and Analysis Plan
SBD	Sand Blanket Drains
SCDHEC	South Carolina Department of Health and Environmental Control
Shealy	Shealy Environmental Services, Inc.
Site	Pinewood Site
SSDL	Secondary Sawdust Landing
SU	Standard Units
SWMU	Solid Waste Management Units
TCE	Trichloroethylene
TLS	Transitional Lang Syne
UBC-A	Upper Black Creek – A Zone
UBC-B	Upper Black Creek – B Zone
µg/L	Micrograms per Liter
umhos/cm	Micromhos per Centimeter
VOCs	Volatile Organic Compounds
WT	Water Table
WTMP	Water Table Monitoring Program

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Pinewood Site
Pinewood, South Carolina
SCD 070 375 985

Third Quarter 2015 Water Table Monitoring Program Report

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1.0 INTRODUCTION

S+G was retained by the PSCT to conduct quarterly monitoring of the shallow groundwater zones at the Site in accordance with the methods outlined in the approved DMP SAP[1]. The third-quarter 2015 monitoring event continues the quarterly WTMP associated with historical, non-landfill SWMUs related to mining operations formerly conducted at the Site. The WTMP includes sampling of select WT and OC aquifer groundwater monitoring wells, perimeter French drains, the Section I French drain, SBDs, PDBs, and pond outfalls. A map of the Site, depicting the locations of the WTMP monitoring points, is included as **Figure 1**. Additional Site, WTMP background, and hydrostratigraphic information is presented in **Appendix I**. This report presents the analytical results obtained during the third-quarter monitoring event of 2015.

[1] Ground Water Sampling and Analysis Plan, Interim Status Monitoring, Pinewood Secure Landfill (SCD 070375985). October 15, 2003.

2.0 CONCLUSIONS

2.1 Conclusions

The conclusions presented below are supported by the findings (listed as bulleted items) derived from information presented later in this report or as otherwise referenced.

1. Third-quarter 2015 WTMP sample analytical results are consistent with historically reported results.
    - Elevated PCE concentrations persist in groundwater collected from WT monitoring wells WT008, WT036, WT037, and WT038.
    - Arsenic was reported at a concentration above its MCL (10 µg/L) and lead was detected at a concentration above its Action Level (15 µg/L) in the sample collected from WT027 on August 12, 2015. Arsenic and lead have both been observed periodically at concentrations above their regulatory limits in samples collected from WT027 since 2001, but are not consistently detected in groundwater from this well. An elevated turbidity value (158 NTU) was recorded at this well prior to sampling on August 12, 2015. S+G re-sampled WT027 for metals on September 23, 2015 for confirmatory purposes. The analytical results for the September 23, 2015 sample indicate that all metals, with the exception of barium, were below laboratory MDLs. Therefore, it appears that the exceedances noted in the analytical results for the August 12, 2015 sample were the result of elevated sample turbidity and do not accurately reflect groundwater quality at the well.
    - Barium was detected in samples collected from WT monitoring wells WT008, WT026, WT027, WT030, and WT032 during the third-quarter monitoring event. Barium was detected at concentrations below its MCL that are consistent with naturally occurring background levels and historically reported results.
    - Cadmium was reported at a concentration above its MCL (5 µg/L) in the sample collected from WT030. Cadmium has periodically been observed at concentrations above its MCL in samples collected from WT030 since 2005, most recently during the second through fourth quarters of 2013 and the second quarter of 2014 through the third quarter (this event) of 2015.
    - Chromium was detected at concentrations below its MCL in samples collected from WT monitoring wells WT027 (August 12, 2015 sample only) and WT030 during the third-quarter monitoring event. Chromium was not detected in the September 23, 2015 re-sample collected from WT027, indicating that the original August 12 sample results were affected by turbidity. Chromium was detected at a concentration in WT030 that is consistent with historically reported results.

- Mercury was detected in the samples from WT008 and WT027 (August 12, 2015 sample only). Mercury was not detected in the September 23, 2015 re-sample collected from WT027, indicating that the original August 12 sample results were affected by turbidity. Historically, low concentrations of mercury have been reported in samples from several WT wells. The mercury results obtained during the third quarter of 2015 are in line with these historical results.
- Wells OCS002 and OCS008R, a recently installed replacement well for OCS008, were the only OC wells with reported detections during the third quarter of 2015. The concentrations of cis-1,2-DCE; PCE; and TCE observed in groundwater from OCS002 during the third quarter of 2015 are generally consistent with the levels observed throughout 2013, 2014, and the first two quarters of 2015. The concentration of cis-1,2-DCE detected in groundwater from OCS008R is generally consistent with the levels observed in samples collected from OCS008 throughout 2013 and 2014, and from OCS008R during the first two quarters of 2015. No other constituents were detected in the sampled OC wells.
- Cadmium and lead were the only inorganic analytes detected in the French drain system during the third quarter of 2015. Additionally, barium was detected at a concentration below its MCL in the surface water sample collected at the Pond A location. Cadmium was observed in samples obtained from the Section I French drain outfall at Pond A and from the Perimeter French drains at the Pond A and Pond B outfalls. All observed cadmium concentrations were below its MCL and were within the range of historical observations. Lead was observed at a concentration below its Action Level in the July 2015 sample obtained from the Section I French drain outfall at Pond A. Lead was not detected in any of the subsequent monthly samples collected during the third quarter of 2015. The concentration of barium detected in the Pond A surface water sample is consistent with historical observations, and is attributable to naturally occurring conditions.
- Organic analytes including 1,1-DCA, 1,4-dioxane, and PCE were detected in the French drain system during the third quarter of 2015. The VOC, 1,1-DCA, was detected in the July 2015, August 2015, and September 2015 samples from the Section 1 French Drain Manhole #5. No MCL for 1,1-DCA has been established and the concentrations observed are generally consistent with historical detections of 1,1-DCA in Section I French drain manhole #5 samples. The VOC 1,4-dioxane was detected in the Section 1 French Drain Manhole #5 sample collected in September 2015. Historical analyses of 1,4-dioxane were conducted using EPA Method 8260B and have typically yielded non-detections; however, beginning in September 2015, this constituent was analyzed via EPA Method 8260B SIM, which is capable

of achieving lower MDLs and PQLs. No MCL for 1,4-dioxane has been established. PCE was observed at a concentration below its MCL in the September 2015 sample collected from the Perimeter French drain at the Pond B outfall. One previous detection of PCE was recorded at this location on September 12, 2006.

2. Historical, non-landfill related SWMUs continue to affect WT and OC aquifer groundwater quality in the WT008 area.
    - WT008 area investigation reports completed in October 2011[2] and March 2013[3] identified the source area for the constituents detected in the WT and OC aquifer groundwater. The source area was determined to be located between landfill Section III and WT008, near the former maintenance shop and drum storage area used prior to, and during, the period of time that the facility was receiving waste.
    - PCE was detected at a concentration exceeding its MCL in the PDB sample PDB005 collected from the East Meadow low area during the third-quarter 2015 monitoring event. Several VOCs, including PCE, have historically been observed in groundwater in the WT008 area. The presence of PCE in the PDB005 sample indicates continued migration of VOCs away from the source area toward the East Meadow low area.

[2] *Phase II Report for Groundwater Assessment Near Well WT008, Pinewood Site*, SCD 070 375 985, Pinewood, South Carolina, Prepared by Richardson Smith Gardner & Associates, Inc., October 2011
[3] *Phase III Report of Assessment Near Well WT008, Pinewood Site*, SCD 070 375 985, Pinewood, South Carolina, Prepared by Smith Gardner, Inc., March 14, 2013

3.0 SITE HYDROGEOLOGY

3.1 Geology

The Site is located in the Coastal Plain physiographic province of South Carolina. The Coastal Plain consists of a wedge-shaped deposition of unconsolidated sediments that thickens to the southeast in the direction of the Atlantic Ocean and is characterized by generally flat topography and poorly drained soils.

Seven hydrogeologic zones have been identified within the "uppermost aquifer"[4] at the Site. These zones are presented in descending order as follows:

Shallow Zones

1. WT
2. OC

Deeper Zones (water quality reported separately)

3. TLS
4. SSDL
5. PSDL
6. UBC-A
7. UBC-B

The WT zone consists of variegated clay locally containing sand lenses and quartz pebbles. The WT is the most shallow hydrogeologic zone but is absent from the majority of the Site. The WT zone was removed from the three landfill sections and most of the PSSB during construction. The landfill sections and PSSB are constructed within the underlying OC. Additionally, two SBDs (SBD#1 and SBD#2), installed in the PSSB sidewalls, dewater the WT aquifer in the area to the southeast of the Section III landfill to prevent the off-site migration of groundwater affected by historical, non-landfill SWMUs. Portions of the WT zone are dewatered by a supplemental French drain system installed parallel to the Site perimeter and portions of Section I.

The OC underlies the WT zone. The top portion of the OC is weathered and fractured while the lower portion is more consolidated and massive. Groundwater occurs within the weathered upper portion of the OC, perched atop the more massive lower horizon. Previous investigations have determined that the OC has low permeability and does not yield sufficient groundwater for monitoring except where the unit is sufficiently fractured or where discontinuous sand lenses exist (predominantly on the eastern portion of the site). Groundwater present within the sand lenses is under water table conditions. Water quality data from wells completed in these sand lenses are included in this monitoring report. The lower portion of the OC is massive and dense, and it forms the base of the landfill units. Each landfill unit is underlain by at least 10 feet of OC.

[4] As determined by the SCDHEC

The OC is underlain by the TLS and deeper zones (SSDL, PSDL, UBC-A, and UBC-B). Water quality data from the TLS zone and the monitored hydrogeologic zones beneath it are reported separately in quarterly and annual DMP reports.

3.2 Groundwater Flow

The PSSB (formerly referred to as the First Flush Basin) and the East Meadow low area (a topographically low area positioned southeast of the WT008 area and east-southeast of the PSSB) influence localized groundwater flow direction in the WT zone. Groundwater in this area ultimately migrates into the cone of depression created by the SBDs within the side slopes of the PSSB. In addition, these SBDs capture shallow groundwater in the areas between the PSSB and Section I to the south and between the PSSB and Section III to the north. To the west of the cone of depression, groundwater flows to the southwest and discharges into the Drainage Channel and Pond A. Historically, groundwater has been observed discharging to the central Drainage Channel in the transition zone between the WT and the OC.

Figure 2 presents the WT potentiometric surface map based on the third-quarter 2015 groundwater elevation measurements obtained from 27 WT wells, 10 OC wells, and 4 staff gauges. Groundwater elevations beneath the PSSB were assumed, based on its bottom elevation of 95 to 97 feet above MSL. Dry conditions are maintained within the PSSB through the capture of groundwater by the SBDs installed on the northern, eastern, and southern sides of the PSSB. The recovered groundwater is then transferred to lined storage (aeration) basins for treatment. Treated groundwater is then discharged to the central Drainage Ditch through an internal NPDES-permitted outfall (01A) to Pond A which discharges off-site through a NPDES-permitted outfall (001).

Shallow groundwater on the northern portions of the property is captured by a section of the perimeter French drain system. This portion of the perimeter French drain system feeds into Pond B and is discharged off-site through a NPDES permitted outfall (002).

4.0 MONITORING

This report addresses the WT zone and localized sand lenses within the upper portion of the OC zone. The deeper zones are addressed in the DMP, which is reported under separate cover.

4.1 Water Table Monitoring Network

The WTMP network at the Site currently consists of the following:

- Twenty-seven WT wells;
- Ten OC sand lens wells;
- Two SBDs constructed beneath the lined PSSB;
- Two outfalls from the Perimeter French drain system;
- Five manholes in the Section I French drain;
- One Section I French drain outfall;
- Pond A Surface Water;
- Pond A (Outfall 001);
- Pond B (Outfall 002); and
- Three PDBs installed within the East Meadow low area.

The locations of the WTMP sampling points are shown on **Figure 1.**

During December 2014 and January 2015, several new POC groundwater monitoring wells were installed within the WT zone around the single-lined portions of the Section 1 and Section 2 landfill units. Although these wells are screened within the WT zone, they are included in the Detection Monitoring network and are addressed in the DMP, which is reported under separate cover. Groundwater elevation measurements obtained from these wells are, however, used in constructing the WT potentiometric surface map (**Figure 2**).

Also in January 2015, monitoring well OCS008 was replaced with monitoring well OCS008R. Damage to the OCS008 well casing, at a point above the water table, had hindered the collection of groundwater samples from the well. As a result, a replacement well (OCS008R) was installed immediately adjacent to OCS008 (see **Figure 1**) during the POC well installation event noted above. Following completion of the replacement well, OCS008 was properly abandoned in accordance with South Carolina Well Standards R.61-71 (April 26, 2002).

4.2 Sampling Information

Sample collection procedures followed the methods outlined in the approved DMP SAP, where applicable. Each well was gauged to determine the depth to groundwater and then purged of three to five well volumes or until dry. Field measurements for pH, specific conductivity, and temperature were recorded at each well during purging.

Samples were collected by S+G and were analyzed for RCRA metals and VOCs. The specific analytical parameters analyzed during the quarterly sampling event are presented in **Appendix II**.

Shealy, located in Columbia, South Carolina (SCDHEC laboratory certification No. 32010), analyzed the samples in accordance with EPA- and SCDHEC-approved methodologies. Quality control procedures, including field blanks, trip blanks, calibration standards, duplicates, and spikes, were used to assess the bias and precision associated with the sample results. The laboratory Reports of Analysis and the field data information sheets for this sampling event are presented in **Appendix III.**

5.0 ANALYTICAL RESULTS

Detected constituents were compared with South Carolina MCLs per South Carolina Administrative Rule R.61-68. Parameters detected at concentrations below the parameter-specific PQL but above or equal to the MDL are reported and "J" flagged to indicate the result is an estimated value. The laboratory Reports of Analysis, chain-of-custody documentation, and field data sheets are included in **Appendix III**. The locations where the detected constituents were observed are illustrated on **Figure 3**.

5.1 Water Table Wells

As part of the routine WTMP, five WT wells (WT008, WT026, WT027, WT030, and WT032) were sampled for groundwater quality including field parameters, inorganics, and priority pollutant VOCs. Additionally, S+G personnel sampled wells WT036, WT037, and WT038 for field parameters and priority pollutant VOCs due to continued detections of VOCs associated with the ongoing WT008-area assessment. The third-quarter 2015 laboratory analytical results from these WT wells have been included in this report. The locations of the WT monitoring wells are illustrated on **Figure 1**.

Field Parameters

Groundwater sampled from the WT wells during the third-quarter event had pH values between 4.29 SU (WT044) and 6.82 SU (WT038). Conductivity values in groundwater ranged from 113 umhos/cm (WT033) to 791 umhos/cm (WT030). Turbidity ranged from 9.20 NTU (WT043) to 160 NTU (WT041), with two outliers of 230 (WT044) and 300 NTU (WT041). Temperature ranged from 21.0 °C (WT008) to 31.4 °C (WT038). Field parameter measurements and water table elevation data obtained from the WT wells are summarized in **Table 1**.

Inorganic Results

Arsenic (WT027), barium (WT008, WT026, WT027, WT030, and WT032), cadmium (WT030), chromium (WT027 and WT030), lead (WT027), and Mercury (WT008 and WT027) were detected in samples collected during the third-quarter monitoring event. Barium, chromium, and mercury were detected at concentrations below their respective MCLs and consistent with naturally occurring background levels and/or historically reported results. Chromium and mercury were not detected in the September 23, 2015 re-sample collected from WT027, indicating that the original August 12 sample results were affected by turbidity. The following inorganic constituents were reported above their MCLs:

- Arsenic was reported at a concentration above its MCL (10 µg/L) and lead was detected at a concentration above its Action Level (15 µg/L) in the sample collected from WT027 on August 12, 2015. Arsenic and lead have both been observed periodically at concentrations above their regulatory limits in samples collected from WT027 since 2001, but are not consistently detected in groundwater from this well. An elevated turbidity value (158 NTU) was recorded

at this well prior to sampling on August 12, 2015. As a result of the exceedances and elevated turbidity of the original sample, S+G re-sampled WT027 for metals on September 23, 2015 for confirmatory purposes. The analytical results for the September 23, 2015 sample indicate that all metals, with the exception of barium, were below laboratory MDLs. Therefore, it appears that the exceedances noted in the analytical results for the August 12, 2015 sample were the result of elevated sample turbidity and do not accurately reflect groundwater quality at the well.

- Cadmium was reported at a concentration above its MCL (5 µg/L) in the sample collected from WT030. Cadmium has been observed periodically at concentrations above the MCL in samples collected from WT030 since 2005, most recently during the second through fourth quarters of 2013 and the second quarter of 2014 through the third quarter (this event) of 2015.

The inorganic samples were not filtered; therefore, based on local geology, sample turbidity, and a comparison with historical results, it is likely these detected constituents occur naturally in the general range of the observed concentrations unless noted otherwise.

<u>VOC Results</u>
PCE was detected above its MCL (5 µg/L) in the following WT wells:

- WT008 (800 µg/L);
- WT036 (22 µg/L);
- WT037 (350 µg/L); and
- WT038 (23 µg/L).

The PCE concentration detected in groundwater from WT008 (noted above) increased since the second quarter of 2015. **Table 2** presents a historical summary of the constituents observed in samples collected from WT008. As shown on **Table 2**, several VOCs (1,1-DCE; PCE; and TCE) began appearing consistently in samples collected from WT008 during the third quarter of 2009. While the concentrations of these analytes fluctuated, the VOCs detected remained relatively consistent until the first quarter of 2012. Since the second quarter of 2013, PCE and cis-1,2-DCE have been the only VOCs routinely observed in samples collected from WT008. Due to its persistent detection at concentrations exceeding the MCL, PCE is the primary constituent of concern at WT008. A chart illustrating PCE detections at WT008 as a function of time is presented as **Figure 4**. As shown on **Figure 4**, PCE concentrations have fluctuated since the third-quarter of 2009, but are currently well below the historical maximum concentration of 1,950 µg/l detected in August 2011.

PCE concentrations at WT037 have fluctuated since the second-quarter 2013 sampling event. However, PCE concentrations in WT036 and WT038 have remained relatively stable since the fourth quarter of 2012.

1,1-DCE was detected at concentration above its MCL in the third-quarter sample collected from WT008. 1,1-DCE has been detected at concentrations above its MCL in samples collected from WT008 on an intermittent basis.

No other WT well groundwater samples exhibited VOC concentrations above their respective MCLs. A summary of the parameters detected above MDL values in the WT wells during the third quarter of 2015 is provided as **Table 3**.

5.2 Opaline Claystone Sand Lens Wells

As part of the routine WTMP, OC wells completed in sand lenses contained within the OC were sampled for groundwater quality including field parameters, inorganics, and priority pollutant VOCs. These well locations are shown on **Figure 1**.

Field Parameters

Groundwater sampled from OC wells during the third-quarter 2015 monitoring event had measured pH values between 5.45 SU (OCS006B) and 6.72 SU (OCS005). Conductivity values in groundwater ranged from 73.4 umhos/cm (OCS003B) to 450 umhos/cm (OCS008R). Turbidity ranged from 2.00 NTU (OCS002) to 280 NTU (OCS006B). Temperature ranged from 20.2 °C (OCS006A) to 25.6 °C (OCS003B). Field parameter measurements and water table elevation data obtained from the OC wells are summarized in **Table 1**.

Inorganic Results

Inorganic constituents were not detected in the samples collected from the OC wells during the third-quarter 2015 monitoring event.

VOC Results

VOCs detected in OC wells at concentrations above their respective MCLs are summarized below:

- OCS002: PCE at 48 µg/L; and
- OCS002: TCE at 7.3 µg/L.

PCE concentrations in OCS002 have fluctuated but are below the historical maximum observed during the second-quarter 2007 sampling event. The PCE concentrations observed during 2013, 2014, and the first through third quarterly events of 2015 have been the lowest detected in OCS002 since 2006.

TCE has historically exceeded its MCL (5 µg/L) in groundwater collected from OCS002. TCE concentrations in OCS002 have fluctuated, but are well below the historical maximum observed during the third-quarter 2012 sampling event.

The samples collected from wells OCS002 and OCS008R contained cis-1,2-DCE (a partial degradation product of PCE) at concentrations of 1.3 µg/L and 3.9 µg/L, respectively.

Both concentrations are well below the MCL for cis-1,2-DCE of 70 µg/L and are similar to results observed since the fourth-quarter 2013 monitoring event.

No other VOCs were detected in the OC well samples. A summary of the parameters detected in the OC wells during the second quarter of 2015 is provided in **Table 4**.

5.3 Sand Blanket Drains

Two SBDs (located in the sidewall of the PSSB) are sampled in conjunction with the WTMP. The SBD samples were analyzed for priority pollutant VOCs. The locations of the SBD sampling points are shown on **Figure 3**.

VOC Results

Third-quarter 2015 sampling results indicate that PCE and TCE remain the primary constituents of concern observed in the groundwater samples collected from SBD#1 and SBD#2. The concentrations detected during the third-quarter monitoring event exceeded the MCLs for PCE and TCE (SBD#2 only), but are below peak historical concentrations. The VOCs detected at concentrations above their respective MCLs are summarized below:

- SBD#1: PCE at 23 µg/L; and
- SBD#2: PCE at 86 µg/L and TCE at 24 µg/L

Cis-1,2-DCE was also detected in both SBD samples at concentrations well below its MCL and 1,1-DCE was observed in the sample collected from SBD#2 at a concentration below its MCL.

Summaries of historical analytical results for SBD#1 and SBD#2 are presented in **Tables 5** and **6**, respectively. Time versus concentration graphs illustrating PCE and TCE fluctuations at SBD#1 and SBD#2 are presented as **Figures 5** and **6**, respectively. The graphs indicate that, for both SBDs, PCE concentrations have fluctuated significantly since 2005 while TCE concentrations have remained relatively stable (within the same order of magnitude). Additionally, based on a review of **Tables 5** and **6**, no significant trends indicating the occurrence of contaminant degradation, such as decreasing parent constituent concentrations coupled with increasing daughter (degradation product) constituent concentrations, are evident.

5.4 Section I French Drains

Monthly samples are collected from the five Section I French drain manholes and the outfall of the Section I French drain into Pond A. These samples are analyzed for inorganics and the Appendix IX list of VOCs. The Section I French drain sampling locations are shown on **Figure 1**.

Inorganic Results

Lead was detected at a concentration below its Action Level in the Section I French drain Pond A outfall sample collected in July 2015. Lead was not observed in the samples collected from the Section I French drain Pond A outfall during the August and September 2015 sampling events. Cadmium was detected at a concentration below its MCL (5 µg/L) in the Section I French drain Pond A outfall sample collected in September 2015. The concentration of cadmium detected was within the range of historical observations at the Section I French drain Pond A outfall location. No other inorganic constituents were detected during the third-quarter 2015 monitoring period.

VOC Results

1,1-DCA, was detected in the July 2015, August 2015, and September 2015 samples from the Section 1 French Drain Manhole #5. No MCL for 1,1-DCA has been established and the concentrations observed are generally consistent with historical detections of 1,1-DCA in Section I French drain manhole #5 samples. 1,4-Dioxane was detected in the Section 1 French Drain Manhole #5 sample collected in September 2015. Historical analyses of 1,4-dioxane were conducted using EPA Method 8260B and have typically yielded non-detections; however, beginning in September 2015, this constituent was analyzed via EPA Method 8260B SIM, which is capable of achieving lower MDLs and PQLs and may result in increased detections of 1,4-dioxane in the future. No MCL for 1,4-dioxane has been established. Other VOCs were not observed in samples collected from the Section I French drain manholes during the third quarter of 2015.

Laboratory Reports of Analysis and chain-of-custody documentation for the third-quarter 2015 Section I French drain samples are included in **Appendix III**. The Section I French drain sample analytical results for the third quarter of 2015 are summarized in **Table 7**.

5.5 Perimeter French Drains

Two discharge points for the perimeter French drain system, the Pond A outfall and the Pond B outfall, are sampled monthly in conjunction with the WTMP. The perimeter French drain sampling locations are shown on **Figure 1**.

The perimeter French drain outfall samples were analyzed for each of the metals included in the Site NPDES permit, with the exception of mercury, as well as the Appendix IX list of VOCs.

Inorganic Results

Cadmium was detected at low concentrations (below the MCL), consistent with historical observations and attributable to naturally occurring conditions, in the Perimeter French drain Pond A outfall location samples collected during the July and September 2015 monitoring events. Low concentrations of cadmium (below the MCL), consistent with historical observations and attributable to naturally occurring conditions, were detected in the Perimeter French drain Pond B outfall location samples collected during the July,

August, and September 2015 monitoring events. No other inorganic constituents were detected during the third-quarter 2015 monitoring period.

VOC Results

PCE was observed at a concentration below its MCL in the September 2015 sample collected from the Perimeter French drain at the Pond B outfall. One previous detection of PCE was recorded at this location on September 12, 2006. PCE concentrations at the Pond B outfall for the Perimeter French drain will be closely monitored during the upcoming sampling events. No other VOCs were observed in the perimeter French drain outfall samples collected during the third quarter of 2015.

The laboratory Reports of Analysis and chain-of-custody documentation for the third-quarter 2015 perimeter French drain outfall samples are included in **Appendix III**. The perimeter French drain outfall analytical results for the third quarter of 2015 are summarized in **Table 7**.

5.6 Pond A and B Outfalls

The Pond A and Pond B outfalls (outfalls 001 and 002, respectively) undergo monthly monitoring for Appendix IX VOCs in addition to the constituents monitored and reported on a monthly basis in accordance with the site-specific NPDES Permit. Pond A and Pond B outfall locations are shown on **Figure 1**.

VOC Results

No VOCs were observed in the Pond A or Pond B outfall samples during the third quarter of 2015, which is consistent with historical results.

The laboratory Reports of Analysis and chain-of-custody documentation for the third-quarter 2015 Pond A and Pond B outfall samples are included in **Appendix III**. The pond outfall analytical results for the third quarter of 2015 are summarized in **Table 7**.

5.7 Pond A Surface Water

A surface water sample is collected from Pond A on a quarterly basis and is analyzed for priority pollutant VOCs and the eight RCRA metals. The location of Pond A is shown on **Figure 1**.

Inorganic Results

Barium was detected at a concentration (52 µg/L) above the MDL in the Pond A surface water sample collected during the third-quarter 2015 monitoring event. The concentration of barium observed is well below its MCL (2,000 µg/L), is consistent with historical observations, and is attributable to naturally occurring conditions. No other inorganic constituents were detected during the third-quarter 2015 monitoring period.

VOC Results
No VOCs were observed in the Pond A surface water sample during the third quarter of 2015.

The laboratory Reports of Analysis and chain-of-custody documentation for the third-quarter 2015 Pond A surface water sample are included in **Appendix III**. The Pond A surface water analytical results for the third quarter of 2015 are summarized in **Table 7**.

5.8 Passive Diffusion Bags

In conjunction with the ongoing WT008 area assessment, three PDB monitoring points, designated as PDB004, PDB005, and PDB006, were established in the East Meadow low area at the locations illustrated on **Figure 1**. The PDBs are sampled and replaced at these points on a quarterly basis.

The PDB samples were analyzed for the priority pollutant list of VOCs.

VOC Results
PCE was detected at a concentration above its MCL in the sample collected from PDB005 (10 µg/L). Historically, PCE has been detected in groundwater samples collected from this area; most notably in samples obtained from monitoring well WT008. PCE has been observed in samples collected at the PDB locations during previous events.

The laboratory Reports of Analysis and chain-of-custody documentation for the third-quarter 2015 PDB samples are included in **Appendix III**. The PDB sample analytical results for the third quarter of 2015 are summarized in **Table 8**.

5.9 Summary

VOCs present in the WT aquifer in the vicinity of WT008 are either captured by the PSSB underdrain to the west or discharge to the surface water in the East Meadow low area to the south-southeast. Groundwater captured by the PSSB underdrain is pumped to aeration basins, where it is treated and tested for PCE to ensure concentrations are below its NPDES permitted level. During storm events or periods of sustained wet weather, surface water from the East Meadow low area flows to the PSSB (during dry weather, no surface water flow occurs). Surface water from the PSSB also flows to Pond A, which is sampled and analyzed for VOCs as noted above. To date, VOCs have not been detected in Pond A. Thus, current data indicate that VOCs originating from the historical SMWUs and/or the former Maintenance Shop in the WT008 area are being controlled on-site.

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TABLES

Third-Quarter 2015 Water Table Monitoring Program Report
Pinewood Site
SCD 070 375 985

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Table 1
Water Level and Field Parameter Data - Third Quarter 2015
Pinewood Site

By: BW
Date: 9/18/2015

WELL	DATE	GROUND SURFACE ELEVATION	TOP OF CASING ELEVATION	DEPTH TO STATIC WATER	GROUNDWATER ELEVATION	pH (Std. Units)	Temperature (°C)	Conductivity (umhos/cm)	Turbidity (NTU)
OCS001	8/3/2015	155.95	158.94	31.91	127.03	6.06	22.80	137.00	23.00
OCS002	8/3/2015	149.64	152.45	34.05	118.40	6.19	22.40	200.00	2.00
OCS003A	8/3/2015	144.49	147.47	20.23	127.24	5.89	21.30	77.00	8.90
OCS003B	8/3/2015	144.49	147.82	12.38	135.44	6.14	25.60	73.40	6.00
OCS004	8/3/2015	140.84	143.72	20.14	123.58	6.06	21.60	83.90	23.00
OCS005	8/3/2015	151.69	154.66	38.69	115.97	6.72	21.60	142.00	24.00
OCS006A	8/3/2015	136.48	139.07	18.53	120.54	5.69	20.20	127.00	45.00
OCS006B	8/3/2015	136.48	139.78	13.03	126.75	5.45	20.90	90.00	280.00
OCS008R	8/3/2015	156.16	158.95	48.83	110.12	6.64	21.00	450.00	65.00
OCS011	8/3/2015	126.21	129.34	16.69	112.65	-	-	-	-
WT008	8/3/2015	153.45	156.71	17.24	139.47	6.64	21.00	450.00	65.00
WT010	8/3/2015	104.71	107.96	22.92	85.04	NS	NS	NS	NS
WT011	8/3/2015	97.89	101.21	23.38	77.83	NS	NS	NS	NS
WT012	8/3/2015	96.93	100.27	23.00	DRY	NS	NS	NS	NS
WT015	8/3/2015	107.26	110.57	20.62	89.95	NS	NS	NS	NS
WT016	8/3/2015	102.53	105.90	14.66	91.24	NS	NS	NS	NS
WT026	8/3/2015	137.93	140.07	13.58	126.49	6.26	24.20	218.00	17.00
WT027	8/3/2015	119.06	122.06	14.04	108.02	6.32	25.30	385.00	160.00
WT030	8/3/2015	102.95	106.05	12.48	93.57	5.63	24.20	791.00	84.00
WT032	8/3/2015	137.69	140.81	27.75	113.06	5.50	25.60	277.00	19.00
WT033	8/3/2015	174.90	178.13	33.74	144.39	4.71	23.50	113.00	9.50
WT034	8/3/2015	156.17	159.27	17.89	141.38	4.78	25.10	154.00	26.00
WT035	8/3/2015	151.82	155.09	14.02	141.07	NS	NS	NS	NS
WT036	8/3/2015	157.20	160.03	19.55	140.48	4.89	22.30	121.00	99.00
WT037	8/3/2015	149.24	152.30	13.89	138.41	5.48	23.50	258.00	27.00
WT038	8/3/2015	145.57	148.60	15.29	133.31	6.82	31.40	249.00	45.00
WT039	8/3/2015	140.43	143.37	11.30	132.07	NS	NS	NS	NS
WT040	8/3/2015	144.55	147.67	16.92	130.75	NS	NS	NS	NS
WT041	8/3/2015	134.30	137.22	26.08	111.14	5.52	24.80	296.00	300.00
WT042	8/3/2015	132.79	135.68	16.68	119.00	4.78	24.60	149.00	16.00
WT043	8/3/2015	128.65	131.68	10.53	121.15	4.66	24.60	324.00	9.20
WT044	8/3/2015	126.97	130.00	12.96	117.04	4.29	24.30	280.00	230.00
WT045	8/3/2015	119.33	122.37	20.20	DRY	-	-	-	-
WT046	8/3/2015	118.51	121.79	12.70	109.09	4.82	23.70	293.00	24.00
WT047	8/3/2015	122.54	125.87	9.72	116.15	5.10	21.70	320.00	-
WT048	8/3/2015	125.04	127.75	16.20	DRY	-	-	-	-
WT049	8/3/2015	130.55	133.70	29.33	DRY	-	-	-	-
STAFF	**DATE**	**TOP OF STAFF ELEVATION**	**STAFF HEIGHT**	**WATER LEVEL**	**SURFACE WATER ELEVATION**	**pH (Std. Units)**	**Temperature (°C)**	**Conductivity (umhos/cm)**	**Turbidity (NTU)**
SG-1	8/14/2015	135.82	4.00	DRY	DRY	NS	NS	NS	NS
SG-2	8/14/2015	133.54	4.00	DRY	DRY	NS	NS	NS	NS
SG-3	8/14/2015	92.16	4.00	1.05	89.21	NS	NS	NS	NS
SG-4	8/14/2015	93.25	4.00	2.05	91.30	NS	NS	NS	NS

NOTES:
1. Std. Units = Standard pH Units
2. °C = Degrees Celsius
3. umhos/cm = Micromhos per Centimeter
4. NTU = Nephelometric Turbidity Units
5. NS = Not Sampled
6. - = Parameter not measured due to insufficient sample volume

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date								
				01/22/01	04/26/01	07/24/01	10/24/01	01/21/02	04/24/02	07/22/02	11/14/02	01/29/03
Inorganics												
7440-39-3	Barium	µg/L	2000	**158**	**181**	**190**	**194**	**169**	**205**	**173**	**69.7**	**160**
7440-43-9	Cadmium	µg/L	5	<5.00	<0.251	<0.251	<0.251	<5.00	<5.00	<0.313	<0.313	<0.313
7440-47-3	Chromium	µg/L	100	**5.34**	**9.22**	**10.6**	<5.00	<5.00	**33.7**	**12.5**	<5.00	**25.7**
7439-92-1	Lead	µg/L	15*	<3.44	**5.18**	**6.51**	<5.00	<3.44	**24.8**	<5.00	<1.72	**13.7**
7439-97-6	Mercury	µg/L	2	**1.96**	**2.49**	**1.72**	**2.12**	**2.16**	**2.07**	**1.82**	**7.11**	**2.65**
7782-49-2	Selenium	µg/L	50	<3.09	<5.00	<3.09	<3.09	<3.09	<3.09	<2.81	<2.81	<2.81
Inorganic Non-metals												
-	Field Conductivity	umhos/cm	NE	**227**	**156**	**149**	**150**	**180**	**138**	**151**	**101**	**162**
-	Field pH	SU	NE	**4.7**	**4.8**	**4.5**	**4.3**	**4.5**	**4.4**	**3.7**	**5.3**	**4.6**
-	Field Temperature	° Celsius	NE	**17.8**	**18.2**	**20**	**21.7**	**19.6**	**18.1**	**20.4**	**20.9**	**17.8**
-	Field Turbidity	NTU	NE	**98.2**	**85.1**	**42.2**	**77.5**	**18.11**	**130.4**	**77.2**	**11.4**	**4.4**
Volatile Organic Compounds												
71-55-6	1,1,1-Trichloroethane	µg/L	200	<0.180	<0.180	<0.180	<0.180	<0.370	<0.340	<0.340	<0.340	<0.340
79-00-5	1,1,2-Trichloroethane	µg/L	5	<0.110	<0.110	<0.110	<0.110	<0.110	<0.440	<0.440	<0.440	<0.440
75-34-3	1,1-Dichloroethane	µg/L	NE	<0.070	<0.070	<0.070	<0.070	<0.210	<0.410	<0.410	<0.410	<0.410
75-35-4	1,1-Dichloroethene	µg/L	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
106-46-7	1,4-Dichlorobenzene	µg/L	75	<0.140	<0.140	<0.140	**0.756 J**	<0.150	**0.281 J**	<0.250	<0.250	<0.250
74-87-3	Chloromethane	µg/L	NE	<0.210	<0.210	<0.210	<0.210	<0.330	<0.500	<0.500	<0.500	<0.500
156-59-2	cis-1,2-Dichloroethene	µg/L	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
75-09-2	Methylene Chloride	µg/L	5	**1.44 J**	<0.630	<0.630	**2.51 J**	**1.83 J**	**3.11 J**	<1.90	<1.90	<1.90
127-18-4	Tetrachloroethene	µg/L	5	<0.210	<0.210	<0.210	<0.210	<0.250	<0.330	<0.330	<0.330	<0.330
108-88-3	Toluene	µg/L	1000	<0.220	<0.220	<0.220	<0.220	<0.170	<0.390	<0.390	<0.390	<0.390
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<0.310	<0.310	<0.310	<0.310	<0.310	<0.370	<0.370	<0.370	<0.370
79-01-6	Trichloroethene	µg/L	5	<0.160	<0.160	<0.160	<0.160	<0.310	<0.360	<0.360	<0.360	<0.360

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. < = Parameter not detected at the indicated Method Detection Limit
3. * = Action Level
4. NE = Standard not established
5. J = estimated concentration less than the reporting limit but greater than the detection
6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date								
				04/22/03	08/19/03	11/03/03	01/21/04	04/21/04	07/21/04	10/18/04	01/28/05	05/02/05
Inorganics												
7440-39-3	Barium	µg/L	2000	**133**	**94.9**	**147**	**177**	**147**	**131**	**127**	**77.5**	**79.2**
7440-43-9	Cadmium	µg/L	5	<0.478	<5.00	<0.313	<0.313	<0.313	<0.313	<0.313	<5.00	<1.00
7440-47-3	Chromium	µg/L	100	**7.5**	<5.00	**17.9**	**7.46**	<5.00	**22.9**	<5.00	<5.00	**18.2**
7439-92-1	Lead	µg/L	15*	<5.00	<1.72	**8.36**	**7.41**	<1.72	**6.32**	<5.00	<5.00	**28.9**
7439-97-6	Mercury	µg/L	2	**2.05**	**2.1**	**2.19**	**1.59**	**1.13**	**2.73**	**1.2**	**1.05**	**1.01**
7782-49-2	Selenium	µg/L	50	**5.15**	**5.89**	<2.81	<5.00	<5.00	<2.81	<2.81	<2.81	<6.00
Inorganic Non-metals												
-	Field Conductivity	umhos/cm	NE	**146**	**113**	**160**	**160**	**174**	**152**	**141**	**196**	**209**
-	Field pH	SU	NE	**4.3**	**4.5**	**4.5**	**4.2**	**4.1**	**4.5**	**4.7**	**4.9**	**4.9**
-	Field Temperature	° Celsius	NE	**17.8**	**21.9**	**21.1**	**17.5**	**17.2**	**20.1**	**22.3**	**16.6**	**18.5**
-	Field Turbidity	NTU	NE	**36**	**19**	**12**	**142**	**74**	**138**	**51.9**	**57.8**	**140**
Volatile Organic Compounds												
71-55-6	1,1,1-Trichloroethane	µg/L	200	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.300
79-00-5	1,1,2-Trichloroethane	µg/L	5	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.250
75-34-3	1,1-Dichloroethane	µg/L	NE	<0.410	<0.410	<0.410	<0.410	<0.410	<0.410	<0.410	<0.410	<0.300
75-35-4	1,1-Dichloroethene	µg/L	7	NA	NA	NA	<0.410	<0.410	<0.410	<0.410	<0.410	<0.300
106-46-7	1,4-Dichlorobenzene	µg/L	75	<0.250	<0.250	<0.250	NA	NA	NA	NA	NA	NA
74-87-3	Chloromethane	µg/L	NE	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
156-59-2	cis-1,2-Dichloroethene	µg/L	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
75-09-2	Methylene Chloride	µg/L	5	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<2.00
127-18-4	Tetrachloroethene	µg/L	5	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.250
108-88-3	Toluene	µg/L	1000	<0.390	<0.390	<0.390	<0.390	<0.390	**0.743 J**	<0.390	<0.390	**0.305 J**
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.300
79-01-6	Trichloroethene	µg/L	5	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.250

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. < = Parameter not detected at the indicated Method Detection Limit
3. * = Action Level
4. NE = Standard not established
5. J = estimated concentration less than the reporting limit but greater than the detection
6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date								
				08/01/05	10/28/05	01/12/06	05/12/06	08/10/06	11/16/06	02/09/07	05/03/07	08/15/07
Inorganics												
7440-39-3	Barium	µg/L	2000	**107**	**94.1**	**115**	**36.3**	**49**	**115**	**95.6**	**80.1**	**78.2**
7440-43-9	Cadmium	µg/L	5	<1.00	<1.00	<1.00	<1.00	<1.00	**0.118**	**0.122**	**0.108**	<0.100
7440-47-3	Chromium	µg/L	100	**10.6**	**16.6**	**11**	<5.00	<5.00	**11.7**	<5.00	**7.32**	**10.5**
7439-92-1	Lead	µg/L	15*	<10.00	**16**	**12.5**	<10.00	<10.00	**11.6**	<10.00	<10.00	**10.6**
7439-97-6	Mercury	µg/L	2	**0.953**	**1.76**	**1.36**	**0.478**	**0.553**	**1.76**	**0.842**	**0.325**	**0.258**
7782-49-2	Selenium	µg/L	50	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<15.0	<6.00	<5.00
Inorganic Non-metals												
-	Field Conductivity	umhos/cm	NE	**155**	**129**	**147**	**73**	**106**	**112**	**112**	**108**	**100**
-	Field pH	SU	NE	**4.5**	**5**	**4.8**	**4.8**	**4.5**	**4.6**	**4.9**	**4.7**	**4.7**
-	Field Temperature	° Celsius	NE	**20.7**	**21.5**	**20.2**	**17.3**	**22.9**	**21.4**	**18.7**	NA	**22.5**
-	Field Turbidity	NTU	NE	**24.1**	**65.3**	**63.2**	**40.82**	**73.6**	**59.3**	**40.9**	**119**	**134**
Volatile Organic Compounds												
71-55-6	1,1,1-Trichloroethane	µg/L	200	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
79-00-5	1,1,2-Trichloroethane	µg/L	5	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
75-34-3	1,1-Dichloroethane	µg/L	NE	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
75-35-4	1,1-Dichloroethene	µg/L	7	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	NA	<0.300	<0.300
106-46-7	1,4-Dichlorobenzene	µg/L	75	NA	NA	NA	NA	NA	NA	<0.250	<0.250	<0.250
74-87-3	Chloromethane	µg/L	NE	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
156-59-2	cis-1,2-Dichloroethene	µg/L	70	NA	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
75-09-2	Methylene Chloride	µg/L	5	<2.00	<2.00	<2.00	<2.00	<2.00	**4.74 J**	<2.00	<2.00	<2.00
127-18-4	Tetrachloroethene	µg/L	5	**0.492 J**	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
108-88-3	Toluene	µg/L	1000	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
79-01-6	Trichloroethene	µg/L	5	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. < = Parameter not detected at the indicated Method Detection Limit
3. * = Action Level
4. NE = Standard not established
5. J = estimated concentration less than the reporting limit but greater than the detection
6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date								
				11/28/07	02/27/08	05/02/08	08/08/08	11/11/08	02/10/09	05/08/09	08/03/09	09/22/09
Inorganics												
7440-39-3	Barium	µg/L	2000	**110**	**86.3**	**62.1**	**84.2**	**64.5**	**59.6**	**55.5**	**55.2**	NA
7440-43-9	Cadmium	µg/L	5	**0.167**	**0.12**	**0.209**	**0.183**	**0.167**	<0.1	<0.1	<0.1	NA
7440-47-3	Chromium	µg/L	100	**12.8**	<5.00	<5.00	<5.00	<2.0	**8.62**	<2.0	<5.00	NA
7439-92-1	Lead	µg/L	15*	<10.0	<2.50	<2.50	<10.0	<2.50	<10.0	<2.50	<3.30	NA
7439-97-6	Mercury	µg/L	2	**0.678**	**0.8**	<0.200	**0.223**	**0.251**	<0.2	<0.067	<0.2	NA
7782-49-2	Selenium	µg/L	50	<15.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NA
Inorganic Non-metals												
-	Field Conductivity	umhos/cm	NE	**148.1**	**129**	**108**	**155**	**150.4**	**108**	**124.3**	**115**	**120.2**
-	Field pH	SU	NE	**4.5**	**4.6**	**4.4**	**4.3**	**4.6**	**4.6**	**5.1**	**4.6**	**4.7**
-	Field Temperature	° Celsius	NE	**19.6**	**16.3**	**18.2**	**21.7**	**20.9**	**18.4**	**19**	**21.1**	**22.2**
-	Field Turbidity	NTU	NE	**68.86**	**24.5**	**12.7**	**25.15**	**23.53**	**13.61**	**14.76**	**11.9**	NA
Volatile Organic Compounds												
71-55-6	1,1,1-Trichloroethane	µg/L	200	<0.300	<0.300	<0.300	<0.300	<0.325	<0.325	<0.325	<0.325	**0.671 J**
79-00-5	1,1,2-Trichloroethane	µg/L	5	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
75-34-3	1,1-Dichloroethane	µg/L	NE	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
75-35-4	1,1-Dichloroethene	µg/L	7	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	**0.844 J**	**3.15**
106-46-7	1,4-Dichlorobenzene	µg/L	75	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
74-87-3	Chloromethane	µg/L	NE	<0.500	<0.500	<0.500	<0.500	<0.300	<0.300	<0.300	<0.300	<0.300
156-59-2	cis-1,2-Dichloroethene	µg/L	70	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	**1.76**
75-09-2	Methylene Chloride	µg/L	5	<2.00	<2.00	<2.00	<2.00	**7.24**	<2.00	<2.00	<2.00	<2.00
127-18-4	Tetrachloroethene	µg/L	5	<0.250	<0.250	<0.250	<0.250	<0.450	<0.450	**1.8**	**86.4**	**338**
108-88-3	Toluene	µg/L	1000	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
79-01-6	Trichloroethene	µg/L	5	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	**0.334 J**	**1.14**

NOTES:
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5. J = estimated concentration less than the reporting limit but greater than the detection
6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date								
				11/05/09	02/12/10	05/24/10	08/09/10	11/12/10	02/18/11	05/16/11	08/10/11	03/13/12
Inorganics												
7440-39-3	Barium	µg/L	2000	**64**	**48.1**	**46.6**	**50.6**	**57.4**	**65.3**	**47.8**	**64.3**	<7.5
7440-43-9	Cadmium	µg/L	5	<0.1	<0.1	<0.1	<0.1	<0.031	<0.1	<0.1	<0.030	<0.6
7440-47-3	Chromium	µg/L	100	<1.00	<1.00	<5.00	<5.00	<5.00	<5	<1.00	<5	<2.1
7439-92-1	Lead	µg/L	15*	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<1.9
7439-97-6	Mercury	µg/L	2	<0.2	<0.066	<0.2	<0.2	<0.2	<0.2	<0.066	<0.2	**0.55**
7782-49-2	Selenium	µg/L	50	<5.00	<5.00	<5.00	<5.00	<5.00	<30	<6.00	<6.00	NA
Inorganic Non-metals												
-	Field Conductivity	umhos/cm	NE	**152**	**112.7**	**135.4**	**124.7**	**113**	**144**	**92.5**	**115**	**134**
-	Field pH	SU	NE	**4.8**	**5.1**	**5.4**	**5.3**	**4**	**4.8**	**5.1**	**4.5**	**4.68**
-	Field Temperature	° Celsius	NE	**21.1**	**16**	**18.9**	**21.8**	**21.5**	**17.3**	**17.5**	**21.3**	**17.6**
-	Field Turbidity	NTU	NE	**7.82**	**12.47**	NA	**17.19**	NA	**14.93**	**9.13**	**14.2**	NA
Volatile Organic Compounds												
71-55-6	1,1,1-Trichloroethane	µg/L	200	**2.95**	**2.05**	**2.57**	**2.75**	**1.7**	<8.13	**109**	**1.63**	<0.74
79-00-5	1,1,2-Trichloroethane	µg/L	5	**0.440 J**	<0.250	<0.250	**0.390 J**	<0.250	**<6.25**	<0.250	<0.250	**<10**
75-34-3	1,1-Dichloroethane	µg/L	NE	<0.300	<0.300	<0.300	0.410 J	<0.300	<7.50	<0.300	<0.300	<1.3
75-35-4	1,1-Dichloroethene	µg/L	7	**15**	**10.5**	**11**	**13.5**	**10.1**	**20.8 J**	**6.58**	**9.98**	<1.6
106-46-7	1,4-Dichlorobenzene	µg/L	75	<0.250	<0.250	<0.250	<0.250	<0.250	<6.25	<0.250	<0.250	NA
74-87-3	Chloromethane	µg/L	NE	<0.300	<0.300	<0.300	**0.370 J**	<0.300	<7.50	<0.300	<0.300	<3.5
156-59-2	cis-1,2-Dichloroethene	µg/L	70	**7.59**	**6.8**	**7.94**	**20.7**	**14**	**31.3**	**8.66**	**13.2**	**14**
75-09-2	Methylene Chloride	µg/L	5	<2.00	<2.00	<2.00	<2.00	<2.00	**<50.0**	<2.00	<2.00	<3.3
127-18-4	Tetrachloroethene	µg/L	5	**1060**	**689**	**919**	**1210**	**821**	**1950**	**574**	**643**	**1000**
108-88-3	Toluene	µg/L	1000	<0.250	<0.250	<0.250	<0.250	<0.250	<6.25	<0.250	<0.250	<3.3
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<0.300	<0.300	<0.300	**0.410 J**	<0.300	<7.50	<0.300	<0.300	<2.1
79-01-6	Trichloroethene	µg/L	5	**4.87**	**3.59**	**3.68**	**5.68**	**3.85**	<6.25	**2.31**	**3.55**	<1.8

NOTES:
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3. * = Action Level
4. NE = Standard not established
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6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date								
				05/18/12	08/13/12	11/08/12	02/19/13	05/10/13	08/09/13	11/07/13	02/07/14	04/25/14
Inorganics												
7440-39-3	Barium	µg/L	2000	<7.5	<7.5	<7.5	<100	<100	**56**	**59**	**53**	**51**
7440-43-9	Cadmium	µg/L	5	<0.6	<0.6	<0.6	<5	<5	<2	<2	<0.6	<0.6
7440-47-3	Chromium	µg/L	100	**22**	<2.1	<2.1	<20	<20	<5	<5	<2.1	<2.1
7439-92-1	Lead	µg/L	15*	<1.9	<1.9	<1.9	<15	<15	<10	<10	<1.9	<1.9
7439-97-6	Mercury	µg/L	2	**0.23**	<0.053	<0.053	**0.27**	<0.2	**0.14**	**0.16**	**0.14**	**0.5**
7782-49-2	Selenium	µg/L	50	NA	NA	NA	NA	NA	<10	<10	<2.6	<2.6
Inorganic Non-metals												
-	Field Conductivity	umhos/cm	NE	**112**	**137**	**109.8**	**134**	**135**	**166**	**130**	**136**	**153.6**
-	Field pH	SU	NE	**5.22**	**5.4**	**5.39**	**5.39**	**5.33**	**5.26**	**5.4**	**5.21**	**4.98**
-	Field Temperature	° Celsius	NE	**19.6**	**23.3**	**20.1**	**17.1**	**18.9**	**23.5**	**21.6**	**18.6**	**19.9**
-	Field Turbidity	NTU	NE	**230**	**190**	**16**	**32**	**140**	**7.8**	**6.1**	**8.2**	**9.71**
Volatile Organic Compounds												
71-55-6	1,1,1-Trichloroethane	µg/L	200	<0.74	<0.074	<0.3	<25	<10	<20	<1	<0.74	<0.74
79-00-5	1,1,2-Trichloroethane	µg/L	5	<2.1	<0.21	<0.84	<25	<10	<20	<1	<2.1	<2.1
75-34-3	1,1-Dichloroethane	µg/L	NE	<1.3	<0.13	<0.51	<25	<10	<20	<1	<1.3	<1.3
75-35-4	1,1-Dichloroethene	µg/L	7	<1.6	<0.16	<0.63	<25	<10	<20	**11**	<1.6	<1.6
106-46-7	1,4-Dichlorobenzene	µg/L	75	NA	NA	NA	NA	<10	<20	<1	<3.3	<3.3
74-87-3	Chloromethane	µg/L	NE	<3.5	<0.35	<1.4	<50	<10	<20	<1	<3.5	<3.5
156-59-2	cis-1,2-Dichloroethene	µg/L	70	<1.2	<0.12	<0.48	<25	**14**	**25**	**41**	**36**	**36**
75-09-2	Methylene Chloride	µg/L	5	<3.3	<0.33	<1.3	<25	<10	<20	<1	<3.3	<3.3
127-18-4	Tetrachloroethene	µg/L	5	**520**	**63**	**260**	**260**	**660**	**740**	**990**	**680**	**610**
108-88-3	Toluene	µg/L	1000	<3.3	<0.33	<1.3	<25	<10	<20	<1	<3.3	<3.3
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<2.1	<0.21	<0.82	<25	<10	<20	<1	<2.1	<2.1
79-01-6	Trichloroethene	µg/L	5	<1.8	<0.18	<0.72	<25	<10	<20	**7**	<1.8	<1.8

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6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

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Table 2
WT008 Historical Detected Constituents
Pinewood Site

By: BW
Date : 9/18/2015

Cas#	Parameter	Units	MCL	Sample Date				
				07/30/14	10/28/14	01/27/15	05/01/15	08/12/15
Inorganics								
7440-39-3	Barium	µg/L	2000	**42**	**73**	**52**	**49**	**75**
7440-43-9	Cadmium	µg/L	5	<0.6	<0.6	<0.6	<0.6	<0.54
7440-47-3	Chromium	µg/L	100	<2.1	**6.8**	<2.1	<2.1	<0.72
7439-92-1	Lead	µg/L	15*	<1.9	<1.9	<2.1	<2.1	<4.7
7439-97-6	Mercury	µg/L	2	<0.015	**0.93**	**0.91**	0.5	**0.71**
7782-49-2	Selenium	µg/L	50	<2.6	<2.6	<8.5	<8.5	<8.5
Inorganic Non-metals								
-	Field Conductivity	umhos/cm	NE	**115.1**	**238**	**1280**	**131**	**111**
-	Field pH	SU	NE	**4.6**	**5**	**5.26**	**5.4**	**5.03**
-	Field Temperature	° Celsius	NE	**25.4**	**23.8**	**16.2**	**17.5**	**22.9**
-	Field Turbidity	NTU	NE	**3.2**	**7.11**	**2.7**	**9.8**	**16**
Volatile Organic Compounds								
71-55-6	1,1,1-Trichloroethane	µg/L	200	<0.74	<0.74	<0.74	<0.74	<2.4
79-00-5	1,1,2-Trichloroethane	µg/L	5	<2.1	<2.1	<2.1	<2.1	<2.2
75-34-3	1,1-Dichloroethane	µg/L	NE	<0.13	<0.13	<1.3	<1.3	<1.9
75-35-4	1,1-Dichloroethene	µg/L	7	<0.16	**11**	<1.6	**7.3**	**11**
106-46-7	1,4-Dichlorobenzene	µg/L	75	<0.33	<0.33	<3.3	<3.3	<1.9
74-87-3	Chloromethane	µg/L	NE	<0.35	<0.35	<3.5	<3.5	<1.9
156-59-2	cis-1,2-Dichloroethene	µg/L	70	**2.5**	**61**	**49**	**33**	**49**
75-09-2	Methylene Chloride	µg/L	5	<0.33	<0.33	<3.3	<3.3	<4.2
127-18-4	Tetrachloroethene	µg/L	5	**78**	**980**	**870**	**530**	**800**
108-88-3	Toluene	µg/L	1000	<0.33	<0.33	<3.3	<3.3	<2.4
156-60-5	trans-1,2-Dichloroethene	µg/L	100	<0.21	<0.21	<2.1	<2.1	<3.3
79-01-6	Trichloroethene	µg/L	5	<0.18	<0.18	<1.8	<1.8	<1.6

NOTES:
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3. * = Action Level
4. NE = Standard not established
5. J = estimated concentration less than the reporting limit but greater than the detection
6. Bold and shaded = concentration exceeds MCL
7. NA = Not analyzed

SMITH+GARDNER

By: BW
Date: 9/18/2015

Table 3
Water Table Wells Detected Constituents - Third Quarter 2015
Pinewood Site

Cas#	Parameter	Method	Units	MCL	Sample Location								
					WT008	WT026	WT027		WT030	WT032	WT036	WT037	WT038
					8/12/2015	8/12/2015	8/12/2015	9/23/2015	8/13/2015	8/13/2015	8/12/2015	8/13/2015	8/12/2015
Inorganics													
7440-38-2	Arsenic	3005A/6010C	µg/l	10	<2.2	<2.2	**17**	<2.2	<2.2	<2.2	NA	NA	NA
7440-39-3	Barium	3005A/6010C	µg/l	2000	**75**	**55**	**150**	**42**	**52**	**41**	NA	NA	NA
7440-43-9	Cadmium	3005A/6010C	µg/l	5	<0.54	<0.54	<0.54	<0.54	**28**	<0.54	NA	NA	NA
7440-47-3	Chromium	3005A/6010C	µg/l	100	<0.72	<0.72	**55**	<0.72	**12**	<0.72	NA	NA	NA
7439-92-1	Lead	3005A/6010C	µg/l	15*	<4.7	<4.7	**39**	<4.7	<4.7	<4.7	NA	NA	NA
7439-97-6	Mercury	7470A/7470A	µg/l	2	**0.71**	<0.028	**0.13**	<0.028	<0.028	<0.028	NA	NA	NA
Volatile Organic Compounds													
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	<0.19	<0.19	**1.2**	NA	<0.19	<0.19	<0.19	<0.95	<0.19
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	**11**	<0.31	<0.31	NA	<0.31	<0.31	<0.31	<1.6	<0.31
156-59-2	cis 1,2-Dichloroethene	8260B	µg/l	70	**49**	<0.20	<0.20	NA	<0.20	<0.20	<0.20	**17**	<0.20
127-18-4	Tetrachloroethene	8260B	µg/l	5	**800**	<0.22	<0.22	NA	<0.22	<0.22	**22**	**350**	**23**

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. < = Parameter not detected at the indicated Method Detection Limit
3. **Bold** and Shaded = Concentration exceeds the MCL
4. NA = Not Analyzed
5. * = Action Level
6. NE = Not Established

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By: BW
Date: 9/18/2015

Table 4
Opaline Claystone Wells Detected Constituents - Third Quarter 2015
Pinewood Site

Cas#	Parameter	Method	Units	MCL	Sample Location	
					OCS002	OCS008R
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**1.3**	**3.9**
127-18-4	Tetrachloroethene	8260B	µg/l	5	**48**	<0.22
79-01-6	Trichloroethene	8260B	µg/l	5	**7.3**	<0.16

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. **Bold** and Shaded = Concentration exceeds the MCL
3. < = Parameter not detected at the indicated Method Detection Limit

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Table 5
Primary Stormwater Sediment Basin
Sand Blanket Drain #1 Detected Constituents
Pinewood Site

By: BW
Date: 9/18/2015

Cas#	Parameter	Method	Units	MCL	Sample Date															
					12/01/05	02/01/06	03/01/06	04/25/06	08/10/06	12/11/06	02/13/07	05/04/07	08/16/07	11/28/07	02/27/08	05/06/08	08/09/08	11/13/08	02/10/09	05/08/09
67-66-3	Chloroform	8260B	µg/l	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.259 J**	ND
74-87-3	Chloromethane	8260B	µg/l	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124-48-1	Dibromochloromethane	8260B	µg/l	80	ND	ND	ND	**69.10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	8260B	µg/l	75	ND	ND	ND	**0.272 J***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	**0.401 J**	**1.18**	**0.988 J**	**0.988 J**	**0.817 J**	**0.328 J**	ND	**0.820 J**	**1.45**	**0.914 J**	**1.04**	**0.947 J**	**1.4**	**1.28**	**1.97**	**2.54**
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	ND	ND	**1.87**	**1.85**	**0.563 J**	ND	ND	**0.459 J**	**1.94**	**1.04**	**1.83**	**0.876 J**	**1.85**	**1.56**	ND	**2.08**
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**20.9**	**47.4**	**45.8**	**63.8**	**29.5**	**13.1**	**5.06**	**24.7**	**57.4**	**38.8**	**37**	**34.7**	**46.6**	**34.7**	**29.6**	**33.7**
156-60-5	trans-1,2-Dichloroethene	8260B	µg/l	100	**0.405 J**	**0.597 J**	**0.52 J**	**0.778 J**	**0.625 J**	ND	ND	**0.340 J**	**0.763 J**	**0.393 J**	**0.66 J**	ND	**0.572 J**	**0.332 J**	**0.326 J**	**0.607 J**
79-34-5	1,1,2,2-Tetrachloroethane	8260B	µg/l	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.42**	**2.59**
127-18-4	Tetrachloroethene	8260B	µg/l	5	**18**	**88.6**	**110**	**106**	**51.3**	**31.8**	**14.4**	**46.4**	**135**	**82.8**	**140**	**98.6**	**159**	**106**	**115**	**52.7**
79-00-5	1,1,2-Trichloroethane	8260B	µg/l	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.22	6.45
79-01-6	Trichloroethene	8260B	µg/l	5	**5.34**	**20.5**	**20.3**	**26.5**	**9.07**	**5.61**	**2.24**	**8.15**	**25.6**	**17.7**	**18.7**	**16.7**	**24.1**	**19.6**	**14.8**	**18.7**

Cas#	Parameter	Method	Units	MCL	Sample Date															
					08/03/09	11/05/09	02/12/10	02/18/11	05/16/11	08/10/11	11/18/11	03/13/12	05/18/12	08/13/12	11/12/12	02/19/13	05/13/13	08/09/13	11/07/13	02/10/14
67-66-3	Chloroform	8260B	µg/l	80	ND	ND	<0.250	<0.250	<0.250	<0.250	<0.250	<0.33	<0.33	<0.33	<0.33	<5	<1	<1	<1	<0.33
74-87-3	Chloromethane	8260B	µg/l	NE	-	-	**0.310 J**	<0.300	<0.300	<0.300	<0.300	<0.35	<0.35	<0.35	<0.35	<10	<1	<1	<1	<0.35
124-48-1	Dibromochloromethane	8260B	µg/l	80	ND	ND	<0.300	<0.300	<0.300	<0.300	<0.300	<0.33	<0.33	<0.33	<0.33	<10	<1	<1	<1	<0.2
106-46-7	1,4-Dichlorobenzene	8260B	µg/l	75	ND	ND	<0.250	<0.250	<0.250	<0.250	<0.250	-	-	-	-	-	<1	<1	<1	<0.33
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	**1.56**	**1.12**	**1.38**	**1.09**	**1.04**	**1.22**	**0.860 J**	<0.13	<0.13	<0.13	<0.13	<5	**1.6**	**1.8**	**1.8**	**1.7**
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	**1.28**	**0.850 J**	**1.53**	**1.11**	**1.15**	**1.4**	**1.08**	<0.16	<0.16	<0.16	<0.16	<5	<1	<1	<1	**1.4**
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**29.6**	**24.3**	**17**	**23.4**	**22.7**	**33.4**	**24.1**	**12**	**16**	**12**	**19**	**8.2**	**9.3**	**12**	**14**	**24**
156-60-5	trans-1,2-Dichloroethene	8260B	µg/l	100	**0.431 J**	ND	<0.300	**0.310 J**	**0.380 J**	**0.550 J**	**0.350 J**	<0.21	<0.21	<0.21	<0.21	<5	<1	<1	<1	<0.21
79-34-5	1,1,2,2-Tetrachloroethane	8260B	µg/l	NE	**1.25**	ND	**1.06**	<0.250	<0.250	<0.250	<0.250	<0.16	<0.16	<0.16	<0.16	<5	**1.1**	<1	<1	<0.16
127-18-4	Tetrachloroethene	8260B	µg/l	5	**104**	**74.2**	**64.7**	**69.6**	**72.2**	**113**	**77.7**	**42**	**34**	**25**	**34**	**22**	**27**	**37**	**42**	**74**
79-00-5	1,1,2-Trichloroethane	8260B	µg/l	5	2.93	0.290 J	2.96	<0.250	0.880 J	0.370 J	<0.250	<0.21	-	<0.21	<0.21	<5	**2.7**	**2.2**	<1	<0.21
79-01-6	Trichloroethene	8260B	µg/l	5	**18.5**	**13.6**	**11.3**	**13.7**	**15**	**22.2**	**18.1**	**6.1**	**6**	**6.3**	**9.1**	<5	**4.3**	**7**	**9.4**	**14**

Cas#	Parameter	Method	Units	MCL	Sample Date					
					04/23/14	07/30/14	10/29/14	01/28/15	4/29/2015	8/13/2015
67-66-3	Chloroform	8260B	µg/l	80	<0.33	<0.33	<0.33	<0.33	<0.33	<0.21
74-87-3	Chloromethane	8260B	µg/l	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.19
124-48-1	Dibromochloromethane	8260B	µg/l	80	<0.2	<0.33	<0.33	<0.33	<0.33	<0.23
106-46-7	1,4-Dichlorobenzene	8260B	µg/l	75	<0.33	<0.33	<0.33	<0.33	<0.33	<0.19
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	**1.4**	**1.3**	**1.1**	<0.13	**1.3**	<0.19
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	<0.16	<0.16	<0.16	<0.16	**1.6**	<0.31
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**12**	**12**	**12**	**7.2**	**19**	**7.9**
156-60-5	trans-1,2-Dichloroethene	8260B	µg/l	100	<0.21	<0.21	<0.21	<0.21	<0.21	<0.33
79-34-5	1,1,2,2-Tetrachloroethane	8260B	µg/l	NE	<0.16	<0.16	<0.16	<0.16	<0.16	<0.13
127-18-4	Tetrachloroethene	8260B	µg/l	5	**69**	**40**	**27**	**27**	**81**	**23**
79-00-5	1,1,2-Trichloroethane	8260B	µg/l	5	**1.1**	<0.21	<0.21	<0.21	<0.21	<0.22
79-01-6	Trichloroethene	8260B	µg/l	5	**9.5**	**7**	**6.6**	**5.1**	**14**	**4**

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. **Bold** and Shaded = Concentration exceeds the MCL
3. NE = Not Established
4. ND = Not Detected
5. < = Parameter not detected at the indicated Practical Quantitation Limit
6. J = Constituent detected at an estimated concentration above the detection limit but below the reporting limit
7. * = Constituent detected in field blank

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Table 6
Primary Stormwater Sediment Basin
Sand Blanket Drain #2 Detected Constituents
Pinewood Site

By: BW
Date: 9/18/2015

Cas#	Parameter	Method	Units	MCL	Sample Date															
					12/01/05	02/01/06	03/01/06	04/25/06	08/10/06	12/11/06	02/13/07	05/04/07	08/16/07	11/28/07	02/27/08	05/06/08	08/09/08	11/13/08	02/10/09	05/08/09
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	**0.615 J**	**0.645 J**	ND	ND	**0.565 J**	ND	ND	**0.655 J**	**0.464 J**	ND	ND	**0.406 J**	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	**0.799 J**	ND	**1.86**	**1.84**	**1.33**	**0.902 J**	**1.34**	**1.85**	**1.77**	**0.705 J**	**0.519 J**	**1.19**	**0.842 J**	**0.438 J**	**0.804 J**	**1.03**
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**48.5**	**54.4**	**54.8**	**72.8**	**53.3**	**20.7**	**22.4**	**26.4**	**52**	**29**	**16.7**	**41.1**	**29.1**	**10.9**	**26**	**24**
156-60-5	trans-1,2-Dichloroethene	8260B	µg/l	100	**0.581 J**	**0.881 J**	**0.649 J**	**0.907 J**	**0.857 J**	ND	**0.374 J**	**0.645 J**	**1.07**	**0.519 J**	**0.338 J**	**0.637 J**	**0.576 J**	ND	**0.384 J**	**0.547 J**
127-18-4	Tetrachloroethene	8260B	µg/l	5	**57.3**	**86.3**	**108**	**104**	**87.3**	**55.4**	**68.4**	**144**	**95.6**	**39.1**	**25**	**64.9**	**42.8**	**14.6**	**34.7**	**35.1**
79-01-6	Trichloroethene	8260B	µg/l	5	**16.7**	**22.2**	**23.4**	**29.6**	**19.7**	**11.1**	**12.2**	**23**	**25.8**	**11.5**	**6.75**	**20.9**	**13.9**	**5.88**	**11.7**	**11.5**

Cas#	Parameter	Method	Units	MCL	Sample Date															
					08/03/09	11/05/09	02/12/10	02/18/11	05/16/11	08/10/11	11/18/11	03/13/12	05/18/12	08/13/12	11/12/12	02/19/13	05/13/13	08/09/13	11/07/13	02/10/14
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	**0.325 J**	ND	<0.300	<0.300	<0.300	<0.300	<0.300	<0.13	<0.13	<0.13	<0.13	<5	<1	<1	<1	<0.13
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	**0.847 J**	**0.560 J**	<0.300	**0.330 J**	**0.820 J**	**0.810 J**	<0.300	<0.16	<0.16	<0.16	<0.16	<5	**1.5**	**1.9**	<1	<0.16
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**31.4**	**19.5**	**5.12**	**19.4**	**28.1**	**30.3**	**8.51**	**38**	**51**	**37**	**43**	**26**	**33**	**37**	**19**	**27**
156-60-5	trans-1,2-Dichloroethene	8260B	µg/l	100	**0.709 J**	**0.350 J**	<0.250	**0.480 J**	**0.960 J**	**0.630 J**	<0.300	<0.21	<0.21	<0.21	<0.21	<5	<1	<1	<1	<0.21
127-18-4	Tetrachloroethene	8260B	µg/l	5	**43.1**	**26**	**7.93**	**14.3**	**25.6**	**42.3**	**10.2**	**120**	**130**	**120**	**120**	**57**	**98**	**100**	**28**	**27**
79-01-6	Trichloroethene	8260B	µg/l	5	**16.7**	**10.2**	**2.02**	**5.17**	**9.24**	**14.7**	**5.08**	**24**	**30**	**24**	**28**	**14**	**20**	**22**	**9.3**	**10**

Cas#	Parameter	Method	Units	MCL	Sample Date					
					4/23/2014	7/30/2014	10/29/2014	1/28/2015	4/29/2015	8/13/2015
75-34-3	1,1-Dichloroethane	8260B	µg/l	NE	<0.13	<0.13	<0.13	<0.13	<0.300	<0.19
75-35-4	1,1-Dichloroethene	8260B	µg/l	7	**1**	**1.6**	**1.1**	<0.16	<0.300	**2.2**
156-59-2	cis-1,2-Dichloroethene	8260B	µg/l	70	**25**	**29**	**29**	**14**	**24**	**31**
156-60-5	trans-1,2-Dichloroethene	8260B	µg/l	100	<0.21	<0.21	<0.21	<0.21	<0.250	<0.33
127-18-4	Tetrachloroethene	8260B	µg/l	5	**45**	**100**	**52**	**21**	**40**	**86**
79-01-6	Trichloroethene	8260B	µg/l	5	**12**	**24**	**17**	**7.4**	**14**	**24**

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. **Bold** and Shaded = Concentration exceeds the MCL
3. NE = Not Established
4. ND = Not Detected
5. < = Parameter not detected at the indicated Method Detection Limit
6. J = Constituent detected at an estimated concentration above the detection limit but below the reporting limit

SMITH+GARDNER

By: BW
Date: 9/30/2015

Table 7
Monthly French Drain and Pond Outfall Samples
Detected Consitiuents, Third Quarter 2015
Pinewood Site

Sample Location		Sample Date	Detected Constituents					
			Cas #	Parameter	Method	Units	MCL	Result
Section I French Drain	Pond A Outfall	7/14/2015	7439-92-1	Lead	200.8	µg/l	15*	**2.3**
		8/10/2015	No Detections					
		9/17/2015	7440-43-9	Cadmium	200.8	µg/l	5	**0.41**
	Manhole #1	7/14/2015	No Detections					
		8/10/2015	No Detections					
		9/17/2015	No Detections					
	Manhole #2	7/14/2015	No Detections					
		8/10/2015	No Detections					
		9/17/2015	No Detections					
	Manhole #3	7/14/2015	No Detections					
		8/10/2015	No Detections					
		9/17/2015	No Detections					
	Manhole #4	7/14/2015	No Detections					
		8/10/2015	No Detections					
		9/17/2015	No Detections					
	Manhole #5	7/14/2015	75-34-3	1,1-Dichloroethane	SW846 8260B	µg/l	NE	**2.2**
		8/10/2015	75-34-3	1,1-Dichloroethane	SW846 8260B	µg/l	NE	**1.9**
		9/17/2015	75-34-3	1,1-Dichloroethane	SW846 8260B	µg/l	NE	**1.3**
		9/17/2015	123-91-1	1,4-Dioxane	SW846 8260B (SIM)	µg/l	NE	**18**
Perimeter French Drains	Pond A Outfall	7/14/2015	7440-43-9	Cadmium	200.8	µg/l	5	**0.13**
		8/10/2015	No Detections					
		9/17/2015	7440-43-9	Cadmium	200.8	µg/l	5	**0.13**
	Pond B Outfall	7/14/2015	7440-43-9	Cadmium	200.8	µg/l	5	**0.39**
		8/10/2015	7440-43-9	Cadmium	200.8	µg/l	5	**0.37**
		9/17/2015	7440-43-9	Cadmium	200.8	µg/l	5	**0.31**
		9/17/2015	127-18-4	Tetrachloroethene	SW846 8260B	µg/l	5	**0.5**
Pond A	Outfall 001	7/14/2015	No Detections					
		8/10/2015	No Detections					
		9/17/2015	No Detections					
	Surface Water	8/12/2015	7440-39-3	Barium	6010C	µg/l	2000	**52**
Pond B	Outfall 002	7/14/2015	No Detections					
		8/10/2015	No Detections					
		9/17/2015	No Detections					

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
2. * = Action Level
3. **Bold** and Shaded = Concentration exceeds the MCL
4. NE = Not Established

SMITH+GARDNER

By: BW
Date: 9/18/2015

Table 8
Passive Diffusion Bag Detected Constituents - Third Quarter 2015
Pinewood Site

Cas#	Parameter	Method	Units	MCL	PDB004	PDB005	PDB006
127-18-4	Tetrachloroethene	8260B	µg/l	5	<0.22	**10**	<0.22

NOTES:
1. MCL = Maximum Contaminant Level per R.61-68
3. **Bold** and Shaded = Concentration exceeds the MCL
4. < = Parameter not detected at the indicated Method Detection Limit

FIGURES

Third-Quarter 2015 Water Table Monitoring Program Report
Pinewood Site
SCD 070 375 985

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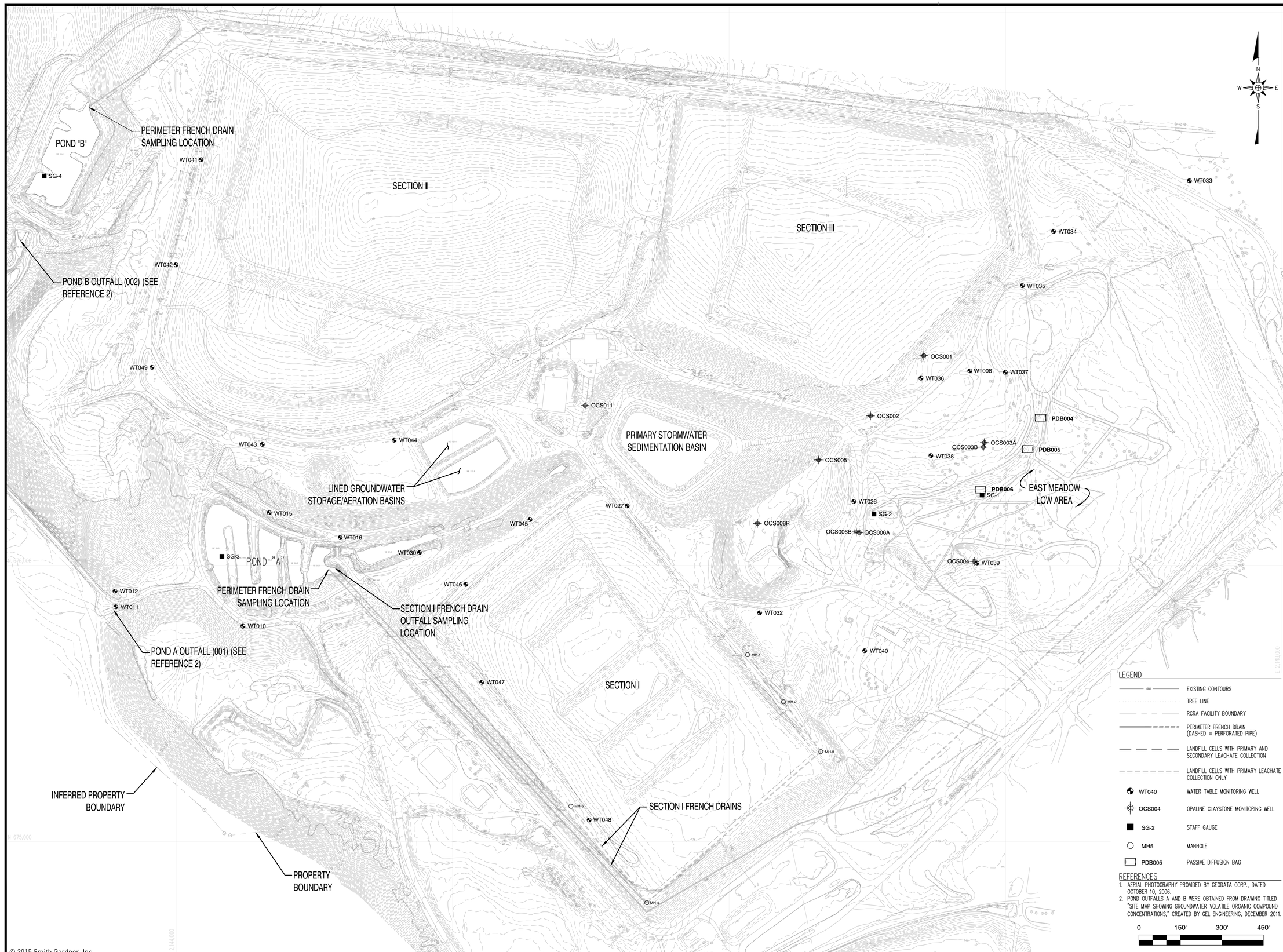

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PREPARED FOR:

PINEWOOD SITE
PINEWOOD
SOUTH CAROLINA

PREPARED BY:

SMITH+ GARDNER
ENGINEERS
14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

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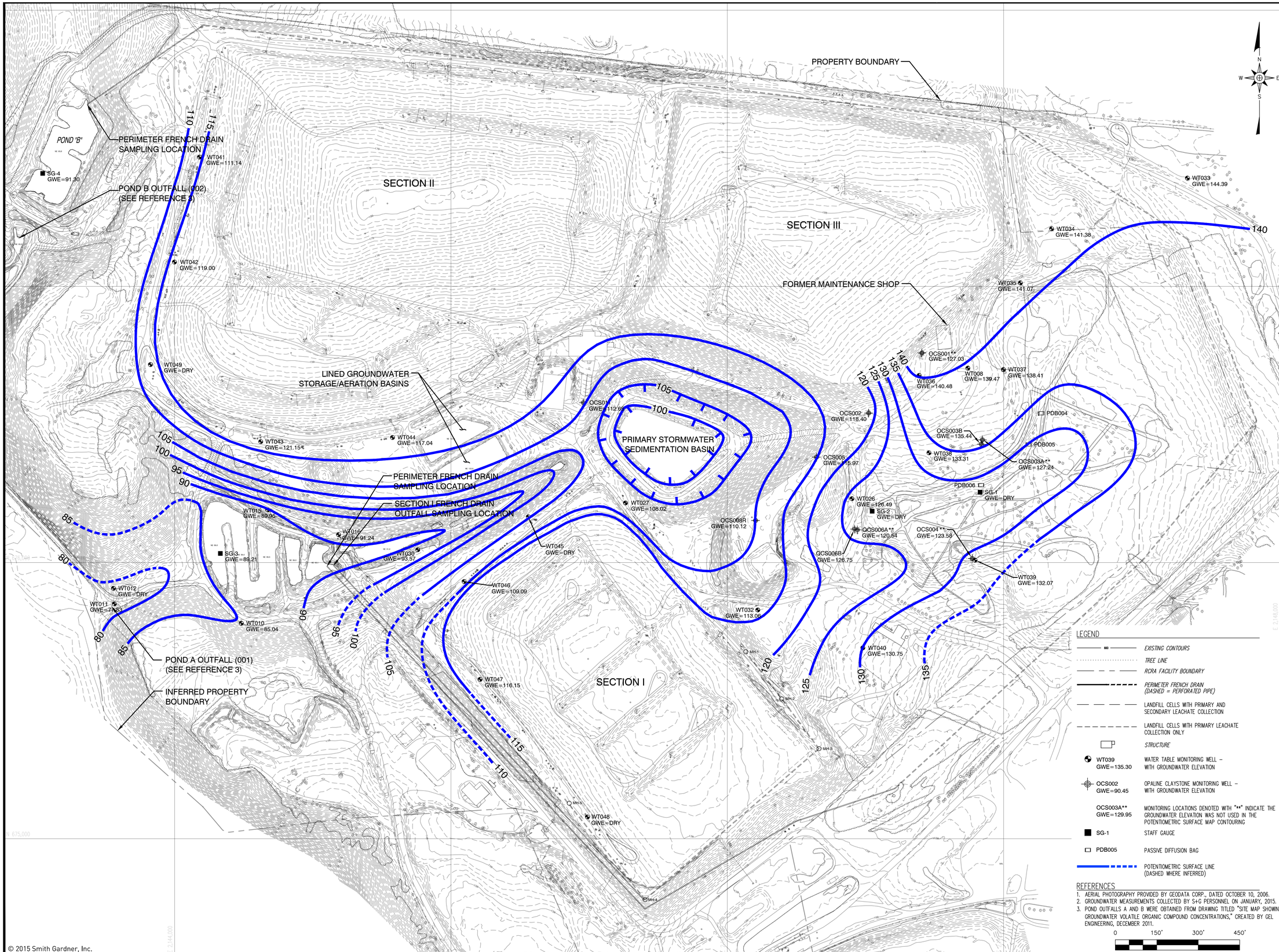
PROJECT TITLE:

THIRD QUARTER 2015
WATER TABLE
MONITORING REPORT

DRAWING TITLE:

SITE MAP WITH
MONITORING LOCATIONS

DESIGNED: BJW	PROJECT NO: PINEWOOD 12-8
DRAWN: BJW	SCALE: AS SHOWN
APPROVED: CKA	DATE: SEPTEMBER 2015
FILENAME: PINE-D0167	
SHEET NUMBER:	DRAWING NUMBER: FIG. 1



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PREPARED FOR:

PINEWOOD SITE
PINEWOOD
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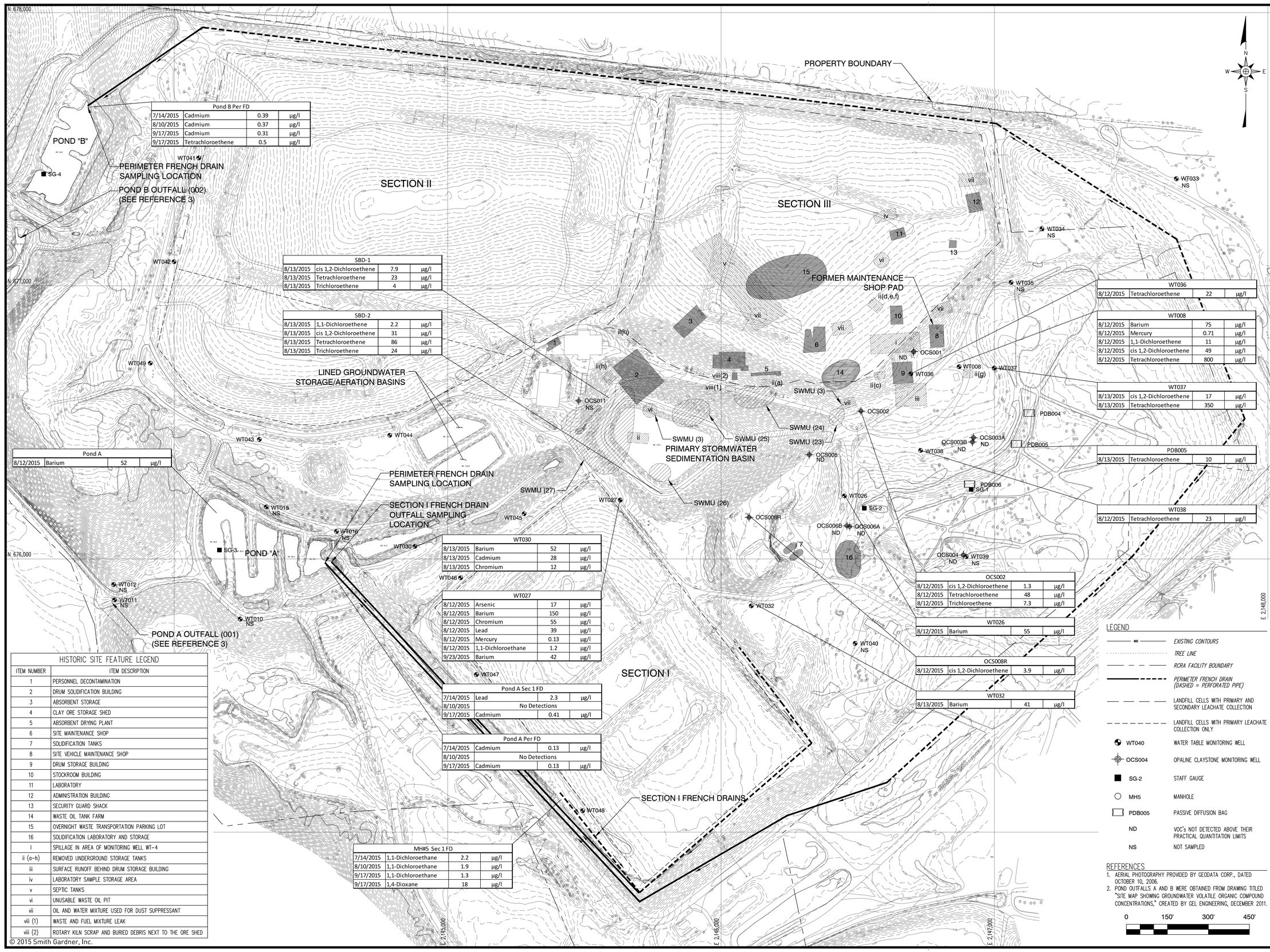
PROJECT TITLE:

THIRD QUARTER 2015
WATER TABLE
MONITORING REPORT

DRAWING TITLE:

WATER TABLE
POTENTIOMETRIC
SURFACE MAP
AUGUST 2015

DESIGNED: BJW	PROJECT NO: PINEWOOD 12-8
DRAWN: BJW	SCALE: AS SHOWN
APPROVED:	DATE: SEPTEMBER 2015
FILENAME: PINE-D0168	
SHEET NUMBER:	DRAWING NUMBER: FIG. 2



Pond B Per FD			
7/14/2015	Cadmium	0.39	µg/l
8/10/2015	Cadmium	0.37	µg/l
9/17/2015	Cadmium	0.31	µg/l
9/17/2015	Tetrachloroethene	0.5	µg/l

SBD-1			
8/13/2015	cis 1,2-Dichloroethene	7.9	µg/l
8/13/2015	Tetrachloroethene	23	µg/l
8/13/2015	Trichloroethene	4	µg/l

SBD-2			
8/13/2015	1,1-Dichloroethene	2.2	µg/l
8/13/2015	cis 1,2-Dichloroethene	31	µg/l
8/13/2015	Tetrachloroethene	86	µg/l
8/13/2015	Trichloroethene	24	µg/l

Pond A			
8/12/2015	Barium	52	µg/l

WT030			
8/13/2015	Barium	52	µg/l
8/13/2015	Cadmium	28	µg/l
8/13/2015	Chromium	12	µg/l

WT027			
8/12/2015	Arsenic	17	µg/l
8/12/2015	Barium	150	µg/l
8/12/2015	Chromium	55	µg/l
8/12/2015	Lead	39	µg/l
8/12/2015	Mercury	0.13	µg/l
8/12/2015	1,1-Dichloroethane	1.2	µg/l
9/23/2015	Barium	42	µg/l

Pond A Sec 1 FD			
7/14/2015	Lead	2.3	µg/l
8/10/2015	No Detections		
9/17/2015	Cadmium	0.41	µg/l

Pond A Per FD			
7/14/2015	Cadmium	0.13	µg/l
8/10/2015	No Detections		
9/17/2015	Cadmium	0.13	µg/l

MH#5 Sec 1 FD			
7/14/2015	1,1-Dichloroethane	2.2	µg/l
8/10/2015	1,1-Dichloroethane	1.9	µg/l
9/17/2015	1,1-Dichloroethane	1.3	µg/l
9/17/2015	1,4-Dioxane	18	µg/l

WT036			
8/12/2015	Tetrachloroethene	22	µg/l

WT008			
8/12/2015	Barium	75	µg/l
8/12/2015	Mercury	0.71	µg/l
8/12/2015	1,1-Dichloroethene	11	µg/l
8/12/2015	cis 1,2-Dichloroethene	49	µg/l
8/12/2015	Tetrachloroethene	800	µg/l

WT037			
8/13/2015	cis 1,2-Dichloroethene	17	µg/l
8/13/2015	Tetrachloroethene	350	µg/l

PDB005			
8/13/2015	Tetrachloroethene	10	µg/l

WT038			
8/12/2015	Tetrachloroethene	23	µg/l

OCS002			
8/12/2015	cis 1,2-Dichloroethene	1.3	µg/l
8/12/2015	Tetrachloroethene	48	µg/l
8/12/2015	Trichloroethene	7.3	µg/l

WT026			
8/12/2015	Barium	55	µg/l

OCS008R			
8/12/2015	cis 1,2-Dichloroethene	3.9	µg/l

WT032			
8/13/2015	Barium	41	µg/l

HISTORIC SITE FEATURE LEGEND

ITEM NUMBER	ITEM DESCRIPTION
1	PERSONNEL DECONTAMINATION
2	DRUM SOLIDIFICATION BUILDING
3	ABSORBENT STORAGE
4	CLAY ORE STORAGE SHED
5	ABSORBENT DRYING PLANT
6	SITE MAINTENANCE SHOP
7	SOLIDIFICATION TANKS
8	SITE VEHICLE MAINTENANCE SHOP
9	DRUM STORAGE BUILDING
10	STOCKROOM BUILDING
11	LABORATORY
12	ADMINISTRATION BUILDING
13	SECURITY GUARD SHACK
14	WASTE OIL TANK FARM
15	OVERNIGHT WASTE TRANSPORTATION PARKING LOT
16	SOLIDIFICATION LABORATORY AND STORAGE
I	SPILLAGE IN AREA OF MONITORING WELL WT-4
ii (a-h)	REMOVED UNDERGROUND STORAGE TANKS
iii	SURFACE RUNOFF BEHIND DRUM STORAGE BUILDING
iv	LABORATORY SAMPLE STORAGE AREA
v	SEPTIC TANKS
vi	UNUSABLE WASTE OIL PIT
vii	OIL AND WATER MIXTURE USED FOR DUST SUPPRESSANT
viii (1)	WASTE AND FUEL MIXTURE LEAK
viii (2)	ROTARY KILN SCRAP AND BURIED DEBRIS NEXT TO THE ORE SHED

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LEGEND

- EXISTING CONTOURS
- TREE LINE
- RCRA FACILITY BOUNDARY
- PERIMETER FRENCH DRAIN (DASHED = PERFORATED PIPE)
- LANDFILL CELLS WITH PRIMARY AND SECONDARY LEACHATE COLLECTION
- LANDFILL CELLS WITH PRIMARY LEACHATE COLLECTION ONLY
- WT040 — WATER TABLE MONITORING WELL
- OCS004 — OPALINE CLAYSTONE MONITORING WELL
- SG-2 — STAFF GAUGE
- MH5 — MANHOLE
- PDB005 — PASSIVE DIFFUSION BAG
- ND — VOC's NOT DETECTED ABOVE THEIR PRACTICAL QUANTITATION LIMITS
- NS — NOT SAMPLED

REFERENCES

1. AERIAL PHOTOGRAPHY PROVIDED BY GEODATA CORP., DATED OCTOBER 10, 2006.
2. POND OUTFALLS A AND B WERE OBTAINED FROM DRAWING TITLED "SITE MAP SHOWING GROUNDWATER VOLATILE ORGANIC COMPOUND CONCENTRATIONS," CREATED BY GEL ENGINEERING, DECEMBER 2011.

0 150' 300' 450'

PREPARED FOR:

PINEWOOD SITE
PINEWOOD
SOUTH CAROLINA

PREPARED BY:

SMITH+ GARDNER
ENGINEERS
14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

SEAL

SEAL

REV.	DATE	DESCRIPTION

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PROJECT TITLE:

THIRD QUARTER 2015 WATER TABLE MONITORING REPORT

DRAWING TITLE:

WATER TABLE DETECTED CONSTITUENTS MAP WITH HISTORICAL SWMUS

DESIGNED: BJW	PROJECT NO: PINEWOOD 12-8
DRAWN: BJW	SCALE: AS SHOWN
APPROVED: CKA	DATE: SEPTEMBER 2015
FILENAME: PINE-D0169	
SHEET NUMBER:	DRAWING NUMBER: FIG. 3

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Figure 4

WT008 Time vs. Concentration Chart - Tetrachloroethene

By: BW

Date: 9/18/2015

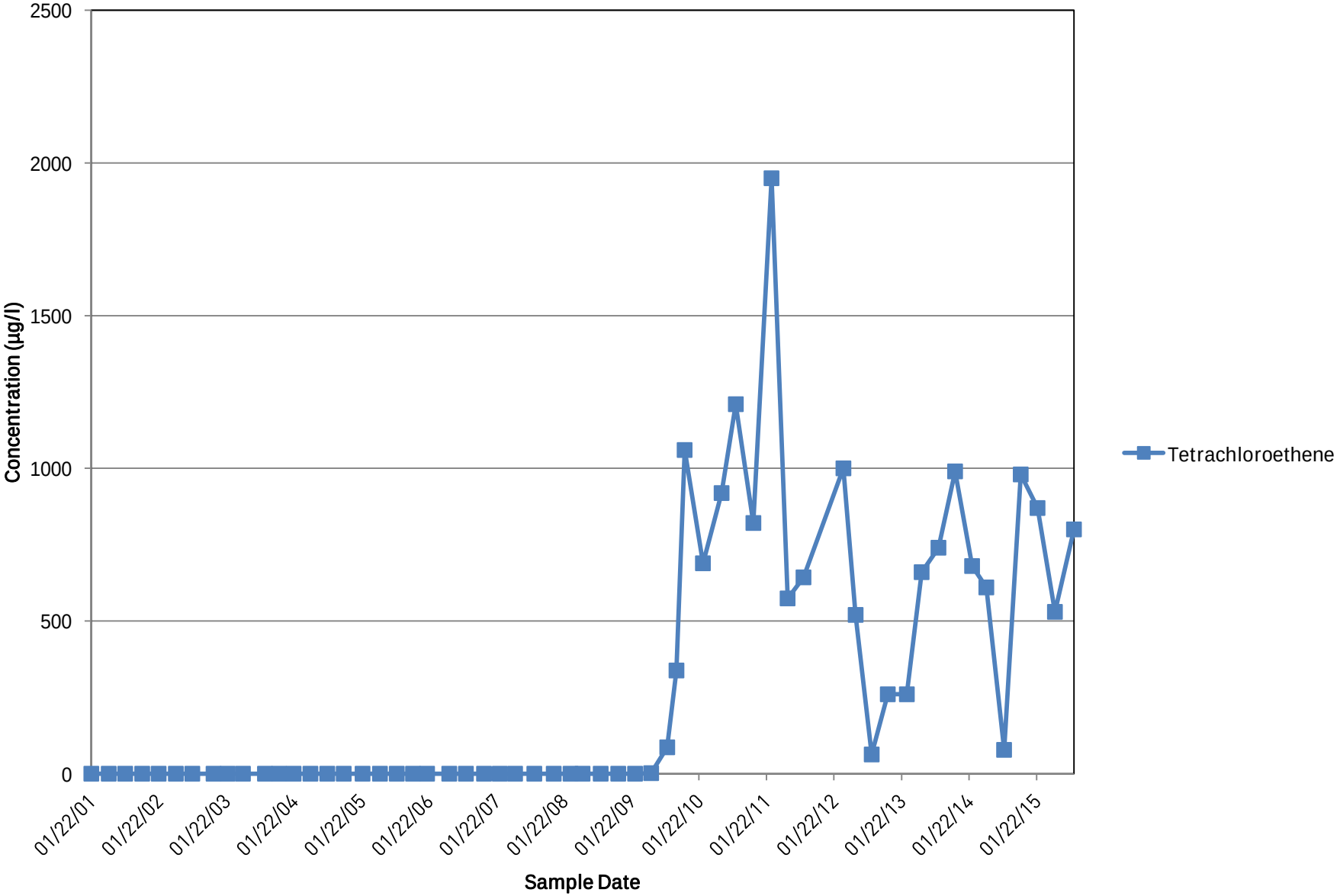

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Figure 5

Sand Blanket Drain #1

Time vs. Concentration Chart - Tetrachloroethene and Trichloroethene

By: BW

Date: 9/18/2015

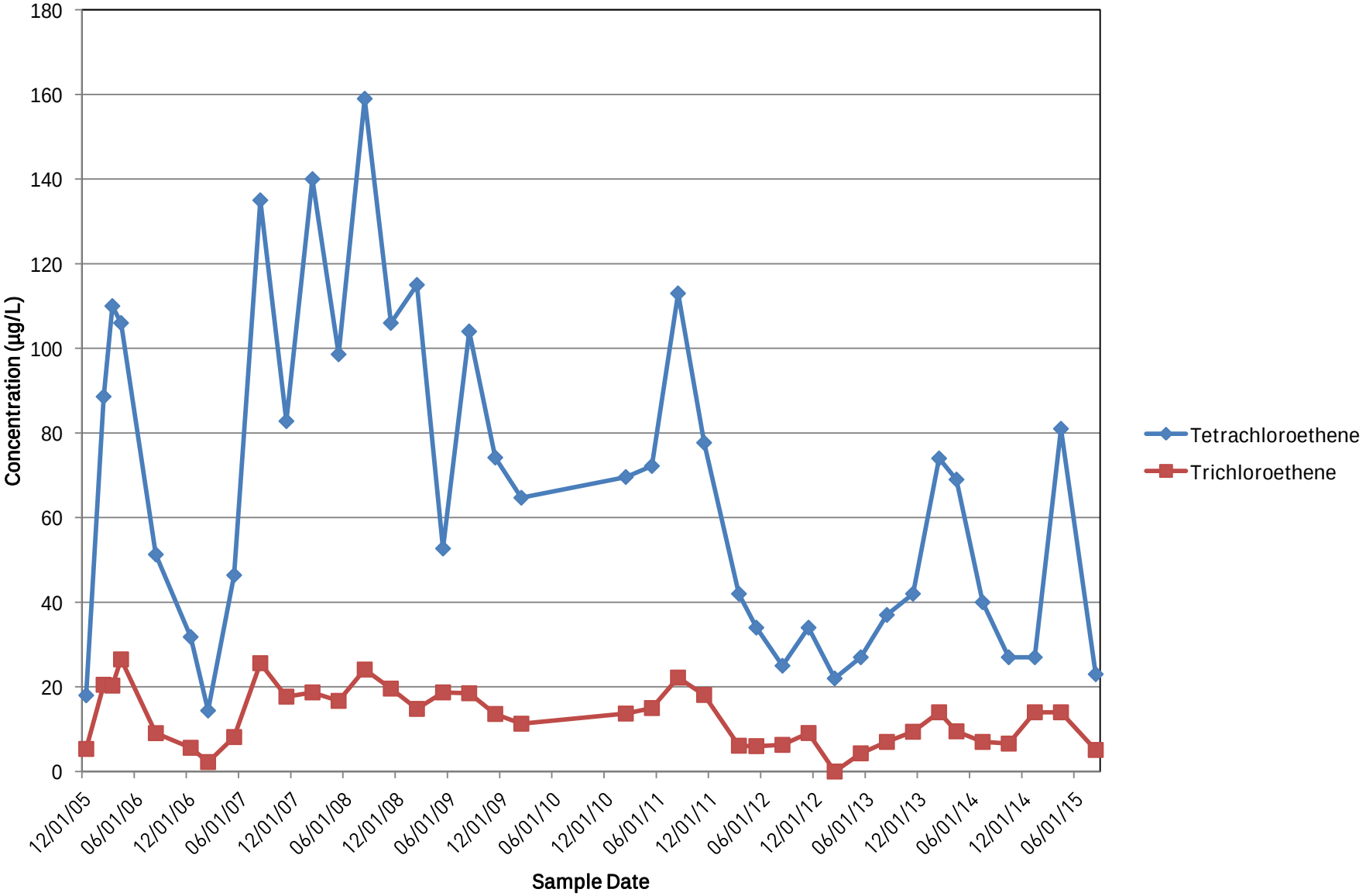

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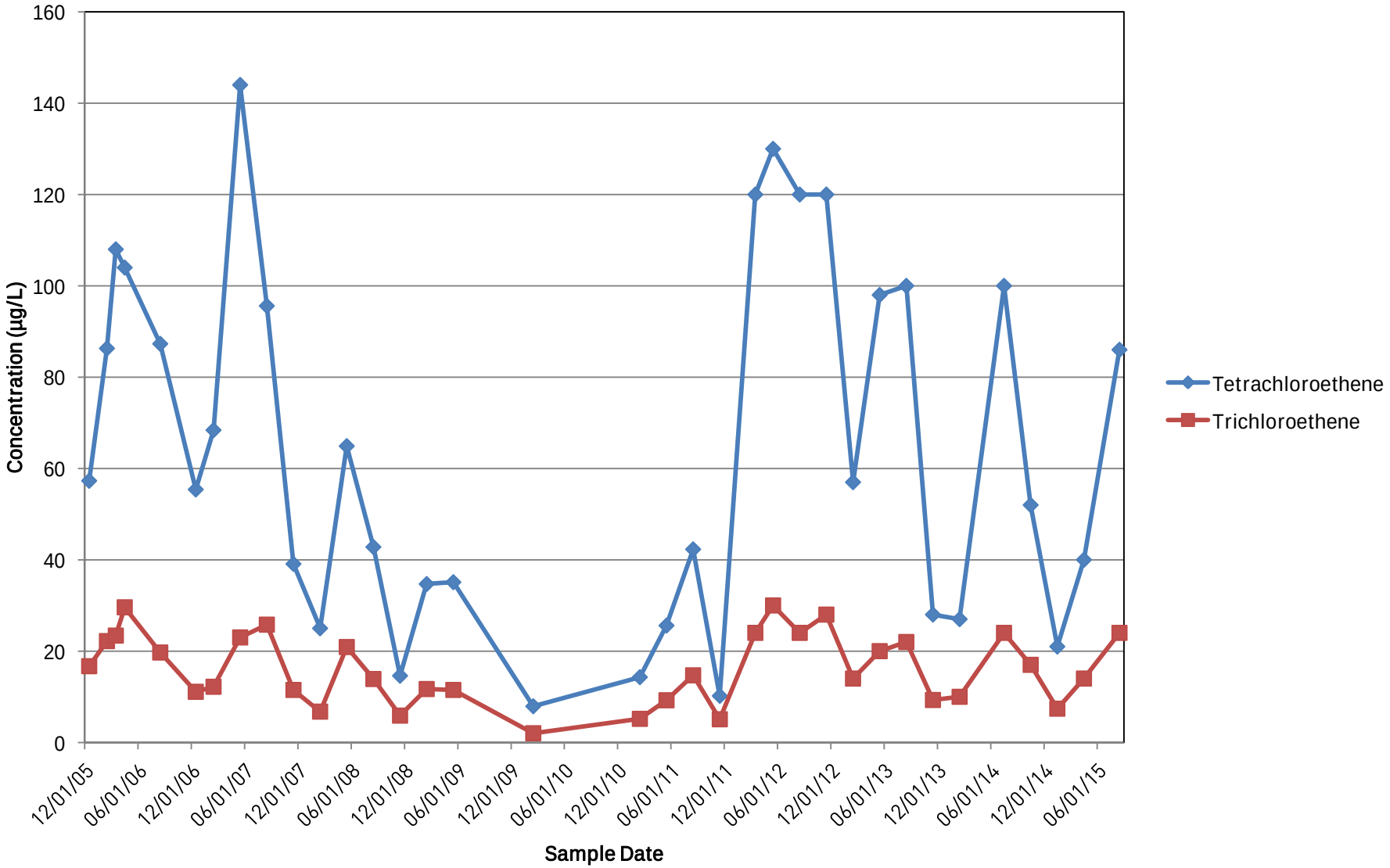
Figure 6
Sand Blanket Drain #2
Time vs. Concentration Chart - Tetrachloroethene and Trichloroethene

By: BW
Date: 9/18/2015



Appendix I

Site History

Third-Quarter 2015 Water Table Monitoring Program Report
Pinewood Site
SCD 070 375 985

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Pinewood Site History

The Pinewood Site Custodial Trust (PSCT)[1] was formed at the end of 2003. The PSCT is responsible for the closure and post-closure care of the former commercial hazardous waste storage, treatment, and landfill facility located on the Pinewood Site (Site). Kestrel Horizons, LLC currently serves as Trustee for the PSCT to ensure that trust funds are used responsibly in caring for and monitoring the Site over the next century.

The PSCT includes the approximately 534 acre site containing the landfill units and surrounding property located in Sumter County, South Carolina, as well as a site in Claredon County, South Carolina (located approximately seven miles from the landfill) that provided soil for the Site closure activities.

The Pinewood facility ceased operations in 2000 and entered bankruptcy. Closure activities transpired at the site until the end of 2003. A 102-year post-closure period for the Site was initiated in 2003 once the closure activities had been completed.

Assessments and corrective actions targeting soil and groundwater quality related to Solid Waste Management Units (SWMUs) at the Site were regulated by an EPA 3008(h) Consent Order that terminated in January 2008. The SWMUs were related to claystone mining activities that occurred at the Site between 1972 and 1978, prior to its development as a landfill. The former SWMUs have affected shallow groundwater quality within the Water Table zone and localized sand lenses in the upper portion of the Opaline Claystone unit.

Monitoring Network

Groundwater monitoring has been performed at this site since 1981. The monitoring network across the site consists of over 230 wells to monitor groundwater quality in multiple stratigraphic units underlying the Site.

WT008 – Area Groundwater

A plume containing chlorinated volatile organic compounds (VOCs), primarily tetrachloroethene (PCE) and trichloroethene (TCE), is present between Landfill Sections I and III, near monitoring well WT008. The plume is located within the Water Table zone and in localized sand lenses in the upper portion of the Opaline Claystone unit. A multi-phase Water Table zone investigation[2,3,4] conducted in the vicinity of WT008 concluded that the source area lies between Section III of the landfill and WT008, near the former Maintenance Shop. Assessment activities in the WT008 area are currently ongoing.

---

[1] Detailed Site History: http://www.pinewoodtrust.org/

[2] Phase I Report for Groundwater Assessment Near Well WT-8, Pinewood Site, SCD 070 375 985, Pinewood, South Carolina, prepared by Richardson Smith Gardner and Associates, Inc., dated January 2011.

[3] Phase II Report for Groundwater Assessment Near Well WT-8, Pinewood Site, SCD 070 375 985, Pinewood, South Carolina, prepared by Richardson Smith Gardner & Associates, Inc., dated October 2011.

[4] Phase III Report of Assessment Near Well WT-8, Pinewood Site, SCD 070 375 985, Pinewood, South Carolina, prepared by Smith Gardner, Inc., dated March 14, 2013.

Sand Blanket Drains and the Primary Stormwater Sedimentation Basin

The Primary Stormwater Sedimentation Basin (PSSB) is located between Landfill Sections I, II, and III. The PSSB was constructed in 2004-2005 by excavating soils affected by historical SWMUs related to mining operations conducted on the Site prior to its development as a landfill. Sand Blanket Drains (SBDs) SBD #1 and SBD #2 were constructed in the walls of the PSSB to create a cone of depression in the Water Table zone between Landfill Sections I and III. The SBDs dewater portions of the Water Table zone and localized sand lenses in the upper portion of the Opaline Claystone unit. SBD#1 was constructed along the northwestern and northern sides of the PSSB. SBD#2 was constructed along the southeastern and southern side of the PSSB. The break between SBD#1 and SBD#2 is located near the eastern tip of the PSSB. This groundwater remediation system was approved as the final groundwater remedy by SCDHEC in the "Final Decision and Response to Comments" dated May 21, 2007.

VOCs present in the Water Table aquifer in the vicinity of WT008 are either captured by the SBDs installed in the walls of the PSSB to the west or discharge to the surface water in the East Meadow low area to the south-southeast. The groundwater captured by the SBDs is pumped to aeration basins, where it is treated and tested for VOCs prior to discharge. During storm events or periods of sustained wet weather, surface water from the East Meadow low area flows to the PSSB (during dry weather, no surface water flow occurs). The surface water from the PSSB flows to Pond A, which is also sampled and analyzed for VOCs. To date, VOCs have not been detected in Pond A, indicating that VOCs originating from the historical SMWUs and/or former Maintenance Shop in the WT008 area are being controlled on-site.

Flow

Combined flows from the SBDs typically vary from 5 to 10 gallons per minute. The SBD pumps are operated by timers set to a 45-minute delay between run times to allow groundwater to recover in the SBD collection sumps. Captured groundwater is transferred via a permanent piping system to one of two lined storage basins for treatment prior to National Pollutant Discharge Elimination System (NPDES) permitted[5,6] discharge.

Section I French Drain

The Section I French Drain (FD) was installed along the Section I perimeter to facilitate construction of the landfill. It was designed to lower the water table to reduce the volume of groundwater infiltrating the construction area. Based on design drawings, the Section I FD is open to the water table on both sides. During construction, an additional clay liner was installed along portions of Section I adjacent to the Section I FD. Based on these construction techniques, samples collected from the Section I FD system are representative of groundwater quality upgradient of the Section I landfill.

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[5] NPDES permit issued by DHEC June 22, 2005, for the Pinewood Site Custodial Trust, discharge into unnamed tributary to Lake Marion.

[6] Kestrel Horizons, LLC/Pinewood Site Custodial Trust, NPDES Permit SC0042170, Sumter County, prepared by South Carolina Department of Health and Environmental Control to Mr. David M. Comen with Kestrel Horizons, dated July 19, 2010.

The monitoring frequency for the Section I FD outfall and the Section I FD manholes (numbered 1 through 5) was increased to monthly in November 2009. The increase in sampling frequency was instituted in response to VOC detections in perched storm water from the Section I and Section II landfill covers and the presence of 1,1-Dichloroethane in Section I FD Manhole #5.

A source investigation[7] of these detections is ongoing[8]. AECOM has installed a series of permanent soil gas monitoring locations on and around the Section I cover to monitor the effects of soil vapors emanating from Section I into the shallow groundwater.

Perimeter French Drains

Perimeter FDs were installed parallel to the Site perimeter to facilitate landfill construction. The perimeter FDs are located north, east and southeast of the landfill (see **Figure 1**). They were designed to lower the Water Table aquifer to reduce the volume of groundwater infiltrating the construction area. The Perimeter FDs are open to the Water Table on the upgradient (exterior) side and sealed with a compacted clay liner on the downgradient (interior) side. Based on these construction techniques, samples collected from the perimeter FD systems are representative of groundwater quality upgradient of the facility. Samples are collected from the FDs as they discharge into Ponds A and B.

[7] 1,1-Dichloroethane Assessment Workplan, October 15, 2007.

[8] Additional data provided to the SCDHEC for review June 17, 2009 and during a November 2, 2009 meeting.

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Appendix II

Water Table Program
Sampling Parameters

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Water Table Monitoring Program
Quarterly Sampling Analytical Parameters

By: MG
Date: 12/26/2012

Constituent	Method Detection Limit (µg/l)	Practical Quantitation Limit (µg/l)	Test Method	Maximum Contaminant Level (µg/l)
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	0.057	1	SW846 8260B	Not Established
1,1,1-Trichloroethane	0.029	1	SW846 8260B	200
1,1,2,2-Tetrachloroethane	0.013	1	SW846 8260B	Not Established
1,1,2-Trichloroethane	0.031	1	SW846 8260B	5
1,1-Dichloroethane	0.054	1	SW846 8260B	Not Established
1,1-Dichloroethene	0.16	1	SW846 8260B	7
1,2,3-Trichloropropane	0.33	1	SW846 8260B	Not Established
1,2,4-Trichlorobenzene	0.17	1	SW846 8260B	70
1,2-Dibromo-3-chloropropane (DBCP)	0.069	1	SW846 8260B	0.2
1,2-Dibromoethane (EDB)	0.061	1	SW846 8260B	Not Established
1,2-Dichlorobenzene	0.17	1	SW846 8260B	600
1,2-Dichloroethane	0.15	1	SW846 8260B	5
1,2-Dichloropropane	0.081	1	SW846 8260B	5
1,3-Dichlorobenzene	0.17	1	SW846 8260B	Not Established
1,4-Dichlorobenzene	0.17	1	SW846 8260B	75
1,4-Dioxane	1.7	50	SW846 8260B	Not Established
2-Butanone (MEK)	2	10	SW846 8260B	Not Established
2-Chloro-1,3-Butadiene (Chloroprene)	0.15	5	SW846 8260B	Not Established
2-Chloroethylvinylether	0.17	100	SW846 8260B	Not Established
2-Hexanone	0.27	10	SW846 8260B	Not Established
3-Chloropropene (Allyl chloride)	0.088	5	SW846 8260B	Not Established
4-Methyl-2-pentanone	0.31	10	SW846 8260B	Not Established
Acetone	3.3	20	SW846 8260B	Not Established
Acetonitrile	5.1	25	SW846 8260B	Not Established
Acrolein	13	5	SW846 8260B	Not Established
Acrylonitrile	1.2	5	SW846 8260B	Not Established
Benzene	0.027	1	SW846 8260B	5
Bromodichloromethane	0.17	1	SW846 8260B	80
Bromoform	0.01	1	SW846 8260B	80
Bromomethane (Methyl bromide)	0.2	1	SW846 8260B	Not Established
Carbon disulfide	0.097	5	SW846 8260B	Not Established
Carbon tetrachloride	0.085	1	SW846 8260B	5
Chlorobenzene	0.17	1	SW846 8260B	100
Chloroethane	0.17	1	SW846 8260B	Not Established
Chloroform	0.17	1	SW846 8260B	80
Chloromethane (Methyl chloride)	0.17	1	SW846 8260B	Not Established
cis-1,2-Dichloroethene	0.087	1	SW846 8260B	70
cis-1,3-Dichloropropene	0.09	1	SW846 8260B	Not Established
Dibromochloromethane	0.17	1	SW846 8260B	80
Dibromomethane (Methylene bromide)	0.094	1	SW846 8260B	Not Established
Dichlorodifluoromethane	0.071	1	SW846 8260B	Not Established
Ethylbenzene	0.17	1	SW846 8260B	700
Isobutyl alcohol	4.5	50	SW846 8260B	Not Established
Methacrylonitrile	0.31	5	SW846 8260B	Not Established
Methyl iodide (Iodomethane)	1.2	5	SW846 8260B	Not Established
Methylene chloride	0.33	5	SW846 8260B	5
Propionitrile (Ethyl cyanide)	2.1	20	SW846 8260B	Not Established
Styrene	0.015	1	SW846 8260B	100
Tetrachloroethene	0.014	1	SW846 8260B	5
Toluene	0.017	1	SW846 8260B	1000
trans-1,2-Dichloroethene	0.079	1	SW846 8260B	100
trans-1,3-Dichloropropene	0.18	1	SW846 8260B	Not Established

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Water Table Monitoring Program
Quarterly Sampling Analytical Parameters

By: MG
Date: 12/26/2012

Constituent	Method Detection Limit (µg/l)	Practical Quantitation Limit (µg/l)	Test Method	Maximum Contaminant Level (µg/l)
Volatile Organic Compounds				
trans-1,4-Dichloro-2-butene	0.83	5	SW846 8260B	Not Established
Trichloroethene	0.024	1	SW846 8260B	5
Trichlorofluoromethane	0.051	1	SW846 8260B	Not Established
Vinyl acetate	0.52	5	SW846 8260B	Not Established
Vinyl chloride	0.065	1	SW846 8260B	2
Xylenes (total)	0.17	1	SW846 8260B	10,000
RCRA Metals				
Arsenic	4	10	SW846 3005A/6010C	10
Arsenic	0.26	5	MDMES 200.2/200.8	10
Barium	7.5	100	SW846 3005A/6010C	2000
Cadmium	0.6	5	SW846 3005A/6010C	5
Cadmium	0.059	0.1	MDMES 200.2/200.8	5
Chromium	2.1	20	SW846 3005A/6010C	100
Lead	1.9	15	SW846 3005A/6010C	15
Lead	0.047	2	MDMES 200.2/200.8	15
Nickel	10	50	SW846 3005A/6010C	Not Established
Silver	0.011	5	MDMES 200.2/200.8	Not Established
Zinc	4.5	20	SW846 3005A/6010C	Not Established
Mercury	0.053	0.2	SW846 7470A/7470A	2
Field Parameters				
Conductivity	Not Applicable	Not Applicable	EPA 120.1	Not Established
pH	Not Applicable	Not Applicable	EPA 150.1	Not Established
Turbidity	Not Applicable	Not Applicable	EPA 180.1	Not Established
Temperature - Field	Not Applicable	Not Applicable	SM SM 2550B	Not Established

Appendix III

Laboratory and Field Data

Third-Quarter 2015 Water Table Monitoring Program Report
Pinewood Site
SCD 070375 985

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Report of Analysis

Smith Gardner, Inc.
14 North Boylan Avenue
Raleigh, NC 27603
Attention: Kevin Anderson

Project Name: **Pinewood LF Water Table Program**

Lot Number: **QG14077**
Date Completed: **07/23/2015**
Date Revised: **08/21/2015**

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Smith Gardner, Inc.
Lot Number: QG14077

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Inorganic Metals
Sample -008 was diluted 25x due to matrix interference. The reporting limits have been raised accordingly.

Revision 08/21/15
All samples were revised to report 1,4-dioxane in the volatile list.

Sample Summary
Smith Gardner, Inc.
Lot Number: QG14077

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Field Blank	Aqueous	07/14/2015 0920	07/14/2015
002	Trip Blank	Aqueous	07/14/2015 0920	07/14/2015
003	Sec 1 MH1	Aqueous	07/14/2015 0920	07/14/2015
004	Sec 1 MH2	Aqueous	07/14/2015 0930	07/14/2015
005	Sec 1 MH3	Aqueous	07/14/2015 0935	07/14/2015
006	Sec 1 MH5	Aqueous	07/14/2015 0945	07/14/2015
007	Sec 1 MH4	Aqueous	07/14/2015 0955	07/14/2015
008	Pond A Sec 1 FD	Aqueous	07/14/2015 1010	07/14/2015
009	Pond A Per FD	Aqueous	07/14/2015 1005	07/14/2015
010	001	Aqueous	07/14/2015 1020	07/14/2015
011	002	Aqueous	07/14/2015 1030	07/14/2015
012	Pond B Per FD	Aqueous	07/14/2015 1035	07/14/2015

(12 samples)

Executive Summary
Smith Gardner, Inc.
Lot Number: QG14077

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	Sec 1 MH5	Aqueous	1,1-Dichloroethane	8260B	2.2		ug/L	15
008	Pond A Sec 1 FD	Aqueous	Lead	200.8	2.3		ug/L	21
009	Pond A Per FD	Aqueous	Cadmium	200.8	0.13		ug/L	24
012	Pond B Per FD	Aqueous	Cadmium	200.8	0.39		ug/L	31

(4 detections)

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-001**
Description: **Field Blank**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0920**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 2317	ALL		82961

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-001**
Description: **Field Blank**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0920**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 2317	ALL		82961

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-002**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0920**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0209	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-002**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0920**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0209	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		86	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-003**
Description: **Sec 1 MH1**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0920**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0234	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-003**
Description: **Sec 1 MH1**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0920**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0234	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		82	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		84	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-004**
Description: **Sec 1 MH2**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0930**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0258	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-004**
Description: **Sec 1 MH2**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0930**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0258	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		85	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		86	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-005**
Description: **Sec 1 MH3**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0935**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0323	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-005**
Description: **Sec 1 MH3**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0935**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0323	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		86	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-006**
Description: **Sec 1 MH5**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0945**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0347	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**2.2**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-006**
Description: **Sec 1 MH5**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0945**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0347	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		84	70-130

PQL = Practical quantitation limit
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Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-007**
Description: **Sec 1 MH4**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0955**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0412	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-007**
Description: **Sec 1 MH4**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 0955**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0412	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		77	70-130
Bromofluorobenzene		86	70-130
Toluene-d8		83	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-008**
Description: **Pond A Sec 1 FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1010**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0437	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-008**
Description: **Pond A Sec 1 FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1010**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0437	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		84	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-008**
Description: **Pond A Sec 1 FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1010**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	07/17/2015 0256	BNW	07/16/2015 0903	79775
3	200.2	200.8	25	07/21/2015 0253	CDF	07/16/2015 0903	79775

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		130	ug/L	3
Cadmium	7440-43-9	200.8	ND		2.5	ug/L	3
Lead	**7439-92-1**	**200.8**	**2.3**		**2.0**	**ug/L**	**1**
Silver	7440-22-4	200.8	ND		130	ug/L	3

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-009**
Description: **Pond A Per FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1005**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0501	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-009**
Description: **Pond A Per FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1005**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0501	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		85	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-009**
Description: **Pond A Per FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1005**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	07/17/2015 0301	BNW	07/16/2015 0903	79775

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		5.0	ug/L	1
Cadmium	**7440-43-9**	**200.8**	**0.13**		**0.10**	**ug/L**	**1**
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		5.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-010**
Description: **001**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1020**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0526	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-010**
Description: **001**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1020**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0526	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		85	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		84	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-011**
Description: **002**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1030**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0551	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-011**
Description: **002**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1030**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0551	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		83	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-012**
Description: **Pond B Per FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1035**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0616	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-012**
Description: **Pond B Per FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1035**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2015 0616	ALL		82959

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		84	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **QG14077-012**
Description: **Pond B Per FD**
Matrix: **Aqueous**
Date Sampled: **07/14/2015 1035**
Date Received: **07/14/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	07/17/2015 0306	BNW	07/16/2015 0903	79775

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		5.0	ug/L	1
Cadmium	**7440-43-9**	**200.8**	**0.39**		**0.10**	**ug/L**	**1**
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		5.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
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N = Recovery is out of criteria
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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82959-001
Batch: 82959
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/17/2015 0040
Acetonitrile	ND		1	25	ug/L	07/17/2015 0040
Acrolein	ND		1	5.0	ug/L	07/17/2015 0040
Acrylonitrile	ND		1	5.0	ug/L	07/17/2015 0040
Benzene	ND		1	1.0	ug/L	07/17/2015 0040
Bromodichloromethane	ND		1	1.0	ug/L	07/17/2015 0040
Bromoform	ND		1	1.0	ug/L	07/17/2015 0040
Bromomethane (Methyl bromide)	ND		1	1.0	ug/L	07/17/2015 0040
2-Butanone (MEK)	ND		1	10	ug/L	07/17/2015 0040
Carbon disulfide	ND		1	5.0	ug/L	07/17/2015 0040
Carbon tetrachloride	ND		1	1.0	ug/L	07/17/2015 0040
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	07/17/2015 0040
Chlorobenzene	ND		1	1.0	ug/L	07/17/2015 0040
Chloroethane	ND		1	1.0	ug/L	07/17/2015 0040
Chloroform	ND		1	1.0	ug/L	07/17/2015 0040
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/17/2015 0040
3-Chloropropene (Allyl chloride)	ND		1	5.0	ug/L	07/17/2015 0040
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/17/2015 0040
Dibromochloromethane	ND		1	1.0	ug/L	07/17/2015 0040
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/17/2015 0040
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/17/2015 0040
trans-1,4-Dichloro-2-butene	ND		1	5.0	ug/L	07/17/2015 0040
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/17/2015 0040
1,3-Dichlorobenzene	ND		1	1.0	ug/L	07/17/2015 0040
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/17/2015 0040
Dichlorodifluoromethane	ND		1	1.0	ug/L	07/17/2015 0040
1,2-Dichloroethane	ND		1	1.0	ug/L	07/17/2015 0040
1,1-Dichloroethane	ND		1	1.0	ug/L	07/17/2015 0040
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/17/2015 0040
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/17/2015 0040
1,1-Dichloroethene	ND		1	1.0	ug/L	07/17/2015 0040
1,2-Dichloropropane	ND		1	1.0	ug/L	07/17/2015 0040
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/17/2015 0040
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/17/2015 0040
1,4-Dioxane	ND		1	50	ug/L	07/17/2015 0040
Ethylbenzene	ND		1	1.0	ug/L	07/17/2015 0040
2-Hexanone	ND		1	10	ug/L	07/17/2015 0040
Isobutyl alcohol	ND		1	50	ug/L	07/17/2015 0040
Methacrylonitrile	ND		1	5.0	ug/L	07/17/2015 0040
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/17/2015 0040
4-Methyl-2-pentanone	ND		1	10	ug/L	07/17/2015 0040
Methylene chloride	ND		1	5.0	ug/L	07/17/2015 0040
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	07/17/2015 0040
Styrene	ND		1	1.0	ug/L	07/17/2015 0040

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82959-001
Batch: 82959
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/17/2015 0040
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/17/2015 0040
Tetrachloroethene	ND		1	1.0	ug/L	07/17/2015 0040
Toluene	ND		1	1.0	ug/L	07/17/2015 0040
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	07/17/2015 0040
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/17/2015 0040
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/17/2015 0040
Trichloroethene	ND		1	1.0	ug/L	07/17/2015 0040
Trichlorofluoromethane	ND		1	1.0	ug/L	07/17/2015 0040
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/17/2015 0040
Vinyl acetate	ND		1	5.0	ug/L	07/17/2015 0040
Vinyl chloride	ND		1	1.0	ug/L	07/17/2015 0040
Xylenes (total)	ND		1	1.0	ug/L	07/17/2015 0040

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		80	70-130
Toluene-d8		86	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82959-002
Batch: 82959
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	80		1	80	60-140	07/16/2015 2351
Acetonitrile	500	540		1	108	60-140	07/16/2015 2351
Acrolein	500	480		1	96	14-175	07/16/2015 2351
Acrylonitrile	100	95		1	95	60-140	07/16/2015 2351
Benzene	50	50		1	100	70-130	07/16/2015 2351
Bromodichloromethane	50	52		1	104	70-130	07/16/2015 2351
Bromoform	50	49		1	98	70-130	07/16/2015 2351
Bromomethane (Methyl bromide)	50	49		1	99	60-140	07/16/2015 2351
2-Butanone (MEK)	100	94		1	94	60-140	07/16/2015 2351
Carbon disulfide	50	55		1	110	60-140	07/16/2015 2351
Carbon tetrachloride	50	50		1	101	70-130	07/16/2015 2351
2-Chloro-1,3-Butadiene (Chloroprene)	50	55		1	111	70-130	07/16/2015 2351
Chlorobenzene	50	50		1	101	70-130	07/16/2015 2351
Chloroethane	50	49		1	98	42-163	07/16/2015 2351
Chloroform	50	47		1	95	70-130	07/16/2015 2351
Chloromethane (Methyl chloride)	50	46		1	93	20-158	07/16/2015 2351
3-Chloropropene (Allyl chloride)	50	52		1	104	70-130	07/16/2015 2351
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	104	70-130	07/16/2015 2351
Dibromochloromethane	50	48		1	96	70-130	07/16/2015 2351
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/16/2015 2351
Dibromomethane (Methylene bromide)	50	50		1	100	70-130	07/16/2015 2351
trans-1,4-Dichloro-2-butene	50	61		1	122	34-142	07/16/2015 2351
1,4-Dichlorobenzene	50	49		1	97	70-130	07/16/2015 2351
1,3-Dichlorobenzene	50	49		1	99	70-130	07/16/2015 2351
1,2-Dichlorobenzene	50	49		1	98	70-130	07/16/2015 2351
Dichlorodifluoromethane	50	49		1	97	60-140	07/16/2015 2351
1,2-Dichloroethane	50	50		1	99	70-130	07/16/2015 2351
1,1-Dichloroethane	50	50		1	100	70-130	07/16/2015 2351
trans-1,2-Dichloroethene	50	51		1	103	70-130	07/16/2015 2351
cis-1,2-Dichloroethene	50	49		1	99	70-130	07/16/2015 2351
1,1-Dichloroethene	50	50		1	100	70-130	07/16/2015 2351
1,2-Dichloropropane	50	50		1	99	70-130	07/16/2015 2351
trans-1,3-Dichloropropene	50	49		1	97	70-130	07/16/2015 2351
cis-1,3-Dichloropropene	50	50		1	101	70-130	07/16/2015 2351
1,4-Dioxane	500	450		1	90	43-173	07/16/2015 2351
Ethylbenzene	50	51		1	103	70-130	07/16/2015 2351
2-Hexanone	100	99		1	99	60-140	07/16/2015 2351
Isobutyl alcohol	500	490		1	98	70-130	07/16/2015 2351
Methacrylonitrile	50	51		1	101	70-130	07/16/2015 2351
Methyl iodide (Iodomethane)	50	49		1	98	70-130	07/16/2015 2351
4-Methyl-2-pentanone	100	100		1	103	60-140	07/16/2015 2351
Methylene chloride	50	45		1	91	70-130	07/16/2015 2351
Propionitrile (Ethyl cyanide)	500	500		1	100	70-130	07/16/2015 2351
Styrene	50	52		1	104	70-130	07/16/2015 2351

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82959-002
Batch: 82959
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	07/16/2015 2351
1,1,1,2-Tetrachloroethane	50	51		1	101	70-130	07/16/2015 2351
Tetrachloroethene	50	51		1	101	70-130	07/16/2015 2351
Toluene	50	52		1	104	70-130	07/16/2015 2351
1,2,4-Trichlorobenzene	50	48		1	96	70-130	07/16/2015 2351
1,1,2-Trichloroethane	50	49		1	99	70-130	07/16/2015 2351
1,1,1-Trichloroethane	50	52		1	105	70-130	07/16/2015 2351
Trichloroethene	50	52		1	105	70-130	07/16/2015 2351
Trichlorofluoromethane	50	54		1	107	60-140	07/16/2015 2351
1,2,3-Trichloropropane	50	48		1	96	70-130	07/16/2015 2351
Vinyl acetate	50	49		1	97	60-140	07/16/2015 2351
Vinyl chloride	50	53		1	106	60-140	07/16/2015 2351
Xylenes (total)	100	100		1	104	70-130	07/16/2015 2351

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		79	70-130
Toluene-d8		88	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82961-001
Batch: 82961
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/17/2015 2207
Acetonitrile	ND		1	25	ug/L	07/17/2015 2207
Acrolein	ND		1	5.0	ug/L	07/17/2015 2207
Acrylonitrile	ND		1	5.0	ug/L	07/17/2015 2207
Benzene	ND		1	1.0	ug/L	07/17/2015 2207
Bromodichloromethane	ND		1	1.0	ug/L	07/17/2015 2207
Bromoform	ND		1	1.0	ug/L	07/17/2015 2207
Bromomethane (Methyl bromide)	ND		1	1.0	ug/L	07/17/2015 2207
2-Butanone (MEK)	ND		1	10	ug/L	07/17/2015 2207
Carbon disulfide	ND		1	5.0	ug/L	07/17/2015 2207
Carbon tetrachloride	ND		1	1.0	ug/L	07/17/2015 2207
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	07/17/2015 2207
Chlorobenzene	ND		1	1.0	ug/L	07/17/2015 2207
Chloroethane	ND		1	1.0	ug/L	07/17/2015 2207
Chloroform	ND		1	1.0	ug/L	07/17/2015 2207
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/17/2015 2207
3-Chloropropene (Allyl chloride)	ND		1	5.0	ug/L	07/17/2015 2207
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/17/2015 2207
Dibromochloromethane	ND		1	1.0	ug/L	07/17/2015 2207
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/17/2015 2207
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/17/2015 2207
trans-1,4-Dichloro-2-butene	ND		1	5.0	ug/L	07/17/2015 2207
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/17/2015 2207
1,3-Dichlorobenzene	ND		1	1.0	ug/L	07/17/2015 2207
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/17/2015 2207
Dichlorodifluoromethane	ND		1	1.0	ug/L	07/17/2015 2207
1,2-Dichloroethane	ND		1	1.0	ug/L	07/17/2015 2207
1,1-Dichloroethane	ND		1	1.0	ug/L	07/17/2015 2207
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/17/2015 2207
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/17/2015 2207
1,1-Dichloroethene	ND		1	1.0	ug/L	07/17/2015 2207
1,2-Dichloropropane	ND		1	1.0	ug/L	07/17/2015 2207
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/17/2015 2207
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/17/2015 2207
1,4-Dioxane	ND		1	50	ug/L	07/17/2015 2207
Ethylbenzene	ND		1	1.0	ug/L	07/17/2015 2207
2-Hexanone	ND		1	10	ug/L	07/17/2015 2207
Isobutyl alcohol	ND		1	50	ug/L	07/17/2015 2207
Methacrylonitrile	ND		1	5.0	ug/L	07/17/2015 2207
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/17/2015 2207
4-Methyl-2-pentanone	ND		1	10	ug/L	07/17/2015 2207
Methylene chloride	ND		1	5.0	ug/L	07/17/2015 2207
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	07/17/2015 2207
Styrene	ND		1	1.0	ug/L	07/17/2015 2207

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82961-001
Batch: 82961
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/17/2015 2207
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/17/2015 2207
Tetrachloroethene	ND		1	1.0	ug/L	07/17/2015 2207
Toluene	ND		1	1.0	ug/L	07/17/2015 2207
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	07/17/2015 2207
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/17/2015 2207
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/17/2015 2207
Trichloroethene	ND		1	1.0	ug/L	07/17/2015 2207
Trichlorofluoromethane	ND		1	1.0	ug/L	07/17/2015 2207
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/17/2015 2207
Vinyl acetate	ND		1	5.0	ug/L	07/17/2015 2207
Vinyl chloride	ND		1	1.0	ug/L	07/17/2015 2207
Xylenes (total)	ND		1	1.0	ug/L	07/17/2015 2207

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82961-002
Batch: 82961
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	81		1	81	60-140	07/17/2015 2119
Acetonitrile	500	450		1	90	60-140	07/17/2015 2119
Acrolein	500	490		1	98	14-175	07/17/2015 2119
Acrylonitrile	100	96		1	96	60-140	07/17/2015 2119
Benzene	50	53		1	106	70-130	07/17/2015 2119
Bromodichloromethane	50	51		1	102	70-130	07/17/2015 2119
Bromoform	50	50		1	99	70-130	07/17/2015 2119
Bromomethane (Methyl bromide)	50	52		1	104	60-140	07/17/2015 2119
2-Butanone (MEK)	100	93		1	93	60-140	07/17/2015 2119
Carbon disulfide	50	57		1	115	60-140	07/17/2015 2119
Carbon tetrachloride	50	52		1	103	70-130	07/17/2015 2119
2-Chloro-1,3-Butadiene (Chloroprene)	50	53		1	107	70-130	07/17/2015 2119
Chlorobenzene	50	53		1	105	70-130	07/17/2015 2119
Chloroethane	50	50		1	100	42-163	07/17/2015 2119
Chloroform	50	49		1	98	70-130	07/17/2015 2119
Chloromethane (Methyl chloride)	50	49		1	98	20-158	07/17/2015 2119
3-Chloropropene (Allyl chloride)	50	59		1	119	70-130	07/17/2015 2119
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	100	70-130	07/17/2015 2119
Dibromochloromethane	50	50		1	100	70-130	07/17/2015 2119
1,2-Dibromoethane (EDB)	50	53		1	105	70-130	07/17/2015 2119
Dibromomethane (Methylene bromide)	50	51		1	102	70-130	07/17/2015 2119
trans-1,4-Dichloro-2-butene	50	48		1	95	34-142	07/17/2015 2119
1,4-Dichlorobenzene	50	52		1	103	70-130	07/17/2015 2119
1,3-Dichlorobenzene	50	52		1	105	70-130	07/17/2015 2119
1,2-Dichlorobenzene	50	53		1	106	70-130	07/17/2015 2119
Dichlorodifluoromethane	50	47		1	93	60-140	07/17/2015 2119
1,2-Dichloroethane	50	50		1	100	70-130	07/17/2015 2119
1,1-Dichloroethane	50	51		1	103	70-130	07/17/2015 2119
trans-1,2-Dichloroethene	50	55		1	109	70-130	07/17/2015 2119
cis-1,2-Dichloroethene	50	54		1	108	70-130	07/17/2015 2119
1,1-Dichloroethene	50	57		1	114	70-130	07/17/2015 2119
1,2-Dichloropropane	50	50		1	101	70-130	07/17/2015 2119
trans-1,3-Dichloropropene	50	52		1	103	70-130	07/17/2015 2119
cis-1,3-Dichloropropene	50	52		1	104	70-130	07/17/2015 2119
1,4-Dioxane	500	490		1	98	43-173	07/17/2015 2119
Ethylbenzene	50	54		1	108	70-130	07/17/2015 2119
2-Hexanone	100	91		1	91	60-140	07/17/2015 2119
Isobutyl alcohol	500	390		1	78	70-130	07/17/2015 2119
Methacrylonitrile	50	45		1	91	70-130	07/17/2015 2119
Methyl iodide (Iodomethane)	50	56		1	111	70-130	07/17/2015 2119
4-Methyl-2-pentanone	100	94		1	94	60-140	07/17/2015 2119
Methylene chloride	50	51		1	102	70-130	07/17/2015 2119
Propionitrile (Ethyl cyanide)	500	460		1	91	70-130	07/17/2015 2119
Styrene	50	54		1	108	70-130	07/17/2015 2119

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82961-002
Batch: 82961
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	07/17/2015 2119
1,1,1,2-Tetrachloroethane	50	56		1	113	70-130	07/17/2015 2119
Tetrachloroethene	50	50		1	100	70-130	07/17/2015 2119
Toluene	50	53		1	105	70-130	07/17/2015 2119
1,2,4-Trichlorobenzene	50	53		1	106	70-130	07/17/2015 2119
1,1,2-Trichloroethane	50	50		1	101	70-130	07/17/2015 2119
1,1,1-Trichloroethane	50	53		1	106	70-130	07/17/2015 2119
Trichloroethene	50	54		1	109	70-130	07/17/2015 2119
Trichlorofluoromethane	50	49		1	97	60-140	07/17/2015 2119
1,2,3-Trichloropropane	50	48		1	96	70-130	07/17/2015 2119
Vinyl acetate	50	56		1	112	60-140	07/17/2015 2119
Vinyl chloride	50	53		1	105	60-140	07/17/2015 2119
Xylenes (total)	100	110		1	109	70-130	07/17/2015 2119

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-MS - MB

Sample ID: QQ79775-001
Batch: 79775
Analytical Method: 200.8

Matrix: Aqueous
Prep Method: 200.2
Prep Date: 07/16/2015 903

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	5.0	ug/L	07/17/2015 0039
Cadmium	ND		1	0.10	ug/L	07/17/2015 0039
Lead	ND		1	2.0	ug/L	07/17/2015 0039

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-MS - LCS

Sample ID: QQ79775-002
Batch: 79775
Analytical Method: 200.8

Matrix: Aqueous
Prep Method: 200.2
Prep Date: 07/16/2015 903

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	100	98		1	98	85-115	07/17/2015 0044
Cadmium	100	99		1	99	85-115	07/17/2015 0044
Lead	100	98		1	98	85-115	07/17/2015 0044
Silver	100	110		1	106	85-115	07/17/2015 0044

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY **Chain of Custody Record**

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 50479

Client	S + G
Address	614 OH Rd
City	Columbia
State	SC
Zip Code	29205
Project Name	Pinewood
Report to Contact	R - Anderson
Sampler's Signature	x Charles Riley
Printed Name	Charles Riley
Telephone No. / E-mail	
Quote No.	
Analysis (Attach list if more space is needed)	
Page	1 of 2
Project No.	
P.O. No.	

QG14077

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	NaOH/ZnAc	Applicable VOCs 1,2,Dec	metals	Remarks / Cooler I.D.
Field Blank	7-14-15	9:20	G	X			3			1			X		
Trip Blank	7-14-15	9:20	G	X						1			X		
Sec 1 mlt 1	7-14-15	9:20	G	X			3			1			X		
sec 1 mlt 2	7-14-15	9:30	G	X			3			1			X		
sec 1 mlt 3	7-14-15	9:35	G	X			3			1			X		
Sec 1 mlt 5	7-14-15	9:45	G	X			3			1			X		
Sec 1 mlt 4	7-14-15	9:55	G	X			3			1			X		
Pond A Sec 1 FD	7-14-15	10:10	G	X			3		1				X	X	
Pond A Per FD	7-14-15	10:05	G	X			3		1				X	X	
001	7-14-15	10:20	G	X			3			1			X		

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Charles Riley	7/14/15	1108	1. Received by: [illegible]	7/14/15	1108
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: [illegible]	7/14/15	1535	4. Laboratory received by: [illegible]	7/14/15	1535

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No ice Pack
Receipt Temp. 1.8 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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Chain of Custody Record

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 50480

Client: S+G	Report to Contact: K - Anderson	Telephone No. / E-mail:	Quote No.:
Address: 614 oH Rd	Sampler's Signature: X Charles Riley	Analysis (Attach list if more space is needed):	Page 2 of 3
City: Columbia; State: SC; Zip Code: 29205	Printed Name: Charles Riley		QG14077
Project Name: Pinewood			
Project No.:	P.O. No.:		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Composite	Matrix: Aqueous	Solid	Non Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	App ix IV Metals	Remarks / Cooler I.D.
002 Pond B PO FD	7-14-15	1030	G	X			3			1			X	
Pond B	7-14-15	1035	G	Y			3		1	1			Y	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Charles Riley	7/14/15	1108	1. Received by:	7/14/15	1108
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by	7/14/15	1530	4. Laboratory received by	7/14/15	1535

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 1.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

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Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Page 1 of 1
Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: SAC Cooler Inspected by/date: MSM/07/15 Lot #: QC14077

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
1.8/1.8 °C ___/___/___ °C ___/___/___ °C ___/___/___ °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: ___ IR Gun Correction Factor: 0.0 °C

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: ___. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
MSM 7/14/15 Yes ☑	No ☑	15/14	24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) ___ were received incorrectly preserved and were adjusted accordingly in sample receiving with ___ (H_2SO_4,HNO_3,HCl,NaOH) using SR # ___.

Sample(s) ___ were received with bubbles >6 mm in diameter.

Sample(s) ___ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by ___ Date: ___

Sample(s) ___ were not received at a pH of <2 and were adjusted accordingly using SR#

Sample labels applied by: MSM Verified by: ___ Date: 7/14/15

Comments:

Report of Analysis

Smith Gardner, Inc.
14 North Boylan Avenue
Raleigh, NC 27603
Attention: Kevin Anderson

Project Name: Pinewood LF Water Table Program

Lot Number: QH10039
Date Completed: 08/20/2015

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Smith Gardner, Inc.
Lot Number: QH10039

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Inorganic Metals

Samples -008 and -009 were diluted 10x and 100x, respectively, due to matrix interference which caused internal standards to recover outside of the acceptance limits. The reporting limits have been raised accordingly.

Sample Summary
Smith Gardner, Inc.
Lot Number: QH10039

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Sec 1 FD MH3	Aqueous	08/10/2015 1040	08/10/2015
002	Sec 1 FD MH2	Aqueous	08/10/2015 1055	08/10/2015
003	Sec 1 FD MH1	Aqueous	08/10/2015 1105	08/10/2015
004	Sec 1 FD MH5	Aqueous	08/10/2015 1115	08/10/2015
005	Sec 1 FD MH4	Aqueous	08/10/2015 1130	08/10/2015
006	001	Aqueous	08/10/2015 1335	08/10/2015
007	002	Aqueous	08/10/2015 1345	08/10/2015
008	Pond A Peri FD	Aqueous	08/10/2015 1315	08/10/2015
009	Pond A Sec 1 FD	Aqueous	08/10/2015 1325	08/10/2015
010	Pond B Peri FD	Aqueous	08/10/2015 1400	08/10/2015
011	Field Blank	Aqueous	08/10/2015 1340	08/10/2015
012	Trip Blank	Aqueous	08/10/2015	08/10/2015

(12 samples)

Executive Summary

Smith Gardner, Inc.

Lot Number: QH10039

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	Sec 1 FD MH5	Aqueous	1,1-Dichloroethane	8260B	1.9		ug/L	11
010	Pond B Peri FD	Aqueous	Cadmium	200.8	0.37		ug/L	27

(2 detections)

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-001
Description: Sec 1 FD MH3
Matrix: Aqueous
Date Sampled: 08/10/2015 1040
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1309	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-001
Description: Sec 1 FD MH3
Matrix: Aqueous
Date Sampled: 08/10/2015 1040
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1309	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-002
Description: Sec 1 FD MH2
Matrix: Aqueous
Date Sampled: 08/10/2015 1055
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1332	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-002
Description: Sec 1 FD MH2
Matrix: Aqueous
Date Sampled: 08/10/2015 1055
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1332	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-003
Description: Sec 1 FD MH1
Matrix: Aqueous
Date Sampled: 08/10/2015 1105
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1356	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-003
Description: Sec 1 FD MH1
Matrix: Aqueous
Date Sampled: 08/10/2015 1105
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1356	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-004
Description: Sec 1 FD MH5
Matrix: Aqueous
Date Sampled: 08/10/2015 1115
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1419	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	1.9		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-004
Description: Sec 1 FD MH5
Matrix: Aqueous
Date Sampled: 08/10/2015 1115
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1419	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-005
Description: Sec 1 FD MH4
Matrix: Aqueous
Date Sampled: 08/10/2015 1130
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1443	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-005
Description: Sec 1 FD MH4
Matrix: Aqueous
Date Sampled: 08/10/2015 1130
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1443	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-006
Description: 001
Matrix: Aqueous
Date Sampled: 08/10/2015 1335
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1506	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-006
Description: 001
Matrix: Aqueous
Date Sampled: 08/10/2015 1335
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1506	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-007
Description: 002
Matrix: Aqueous
Date Sampled: 08/10/2015 1345
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1529	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-007
Description: 002
Matrix: Aqueous
Date Sampled: 08/10/2015 1345
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1529	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-008
Description: Pond A Peri FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1315
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1552	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-008
Description: Pond A Peri FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1315
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1552	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-008
Description: Pond A Peri FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1315
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	08/13/2015 2016	CDF	08/12/2015 1214	82121
2	200.2	200.8	10	08/14/2015 1918	CDF	08/12/2015 1214	82121

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		50	ug/L	2
Cadmium	7440-43-9	200.8	ND		1.0	ug/L	2
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		50	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-009
Description: Pond A Sec 1 FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1325
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1615	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
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H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-009
Description: Pond A Sec 1 FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1325
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1615	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-009
Description: Pond A Sec 1 FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1325
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	200.2	200.8	100	08/14/2015 1930	CDF	08/12/2015 1214	82121

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		500	ug/L	2
Cadmium	7440-43-9	200.8	ND		10	ug/L	2
Lead	7439-92-1	200.8	ND		200	ug/L	2
Silver	7440-22-4	200.8	ND		500	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-010
Description: Pond B Peri FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1400
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1639	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-010
Description: Pond B Peri FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1400
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1639	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the PQL
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-010
Description: Pond B Peri FD
Matrix: Aqueous
Date Sampled: 08/10/2015 1400
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	08/13/2015 2039	CDF	08/12/2015 1214	82121
2	200.2	200.8	1	08/14/2015 1936	CDF	08/12/2015 1214	82121

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		5.0	ug/L	1
Cadmium	7440-43-9	200.8	0.37		0.10	ug/L	1
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		5.0	ug/L	2

PQL = Practical quantitation limit
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-011
Description: Field Blank
Matrix: Aqueous
Date Sampled: 08/10/2015 1340
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1222	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-011
Description: Field Blank
Matrix: Aqueous
Date Sampled: 08/10/2015 1340
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1222	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
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Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-012
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/10/2015
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1245	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acetonitrile	75-05-8	8260B	ND		25	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH10039-012
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/10/2015
Date Received: 08/10/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2015 1245	ALL		82957

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
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N = Recovery is out of criteria
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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82957-001
Batch: 82957
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	08/15/2015 1159
Acetonitrile	ND		1	25	ug/L	08/15/2015 1159
Acrolein	ND		1	5.0	ug/L	08/15/2015 1159
Acrylonitrile	ND		1	5.0	ug/L	08/15/2015 1159
Benzene	ND		1	1.0	ug/L	08/15/2015 1159
Bromodichloromethane	ND		1	1.0	ug/L	08/15/2015 1159
Bromoform	ND		1	1.0	ug/L	08/15/2015 1159
Bromomethane (Methyl bromide)	ND		1	1.0	ug/L	08/15/2015 1159
2-Butanone (MEK)	ND		1	10	ug/L	08/15/2015 1159
Carbon disulfide	ND		1	5.0	ug/L	08/15/2015 1159
Carbon tetrachloride	ND		1	1.0	ug/L	08/15/2015 1159
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	08/15/2015 1159
Chlorobenzene	ND		1	1.0	ug/L	08/15/2015 1159
Chloroethane	ND		1	1.0	ug/L	08/15/2015 1159
Chloroform	ND		1	1.0	ug/L	08/15/2015 1159
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/15/2015 1159
3-Chloropropene (Allyl chloride)	ND		1	5.0	ug/L	08/15/2015 1159
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	08/15/2015 1159
Dibromochloromethane	ND		1	1.0	ug/L	08/15/2015 1159
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	08/15/2015 1159
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	08/15/2015 1159
trans-1,4-Dichloro-2-butene	ND		1	5.0	ug/L	08/15/2015 1159
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/15/2015 1159
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/15/2015 1159
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/15/2015 1159
Dichlorodifluoromethane	ND		1	1.0	ug/L	08/15/2015 1159
1,2-Dichloroethane	ND		1	1.0	ug/L	08/15/2015 1159
1,1-Dichloroethane	ND		1	1.0	ug/L	08/15/2015 1159
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/15/2015 1159
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/15/2015 1159
1,1-Dichloroethene	ND		1	1.0	ug/L	08/15/2015 1159
1,2-Dichloropropane	ND		1	1.0	ug/L	08/15/2015 1159
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/15/2015 1159
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/15/2015 1159
1,4-Dioxane	ND		1	50	ug/L	08/15/2015 1159
Ethylbenzene	ND		1	1.0	ug/L	08/15/2015 1159
2-Hexanone	ND		1	10	ug/L	08/15/2015 1159
Isobutyl alcohol	ND		1	50	ug/L	08/15/2015 1159
Methacrylonitrile	ND		1	5.0	ug/L	08/15/2015 1159
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	08/15/2015 1159
4-Methyl-2-pentanone	ND		1	10	ug/L	08/15/2015 1159
Methylene chloride	ND		1	5.0	ug/L	08/15/2015 1159
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	08/15/2015 1159
Styrene	ND		1	1.0	ug/L	08/15/2015 1159

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82957-001
Batch: 82957
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/15/2015 1159
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	08/15/2015 1159
Tetrachloroethene	ND		1	1.0	ug/L	08/15/2015 1159
Toluene	ND		1	1.0	ug/L	08/15/2015 1159
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	08/15/2015 1159
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/15/2015 1159
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/15/2015 1159
Trichloroethene	ND		1	1.0	ug/L	08/15/2015 1159
Trichlorofluoromethane	ND		1	1.0	ug/L	08/15/2015 1159
1,2,3-Trichloropropane	ND		1	1.0	ug/L	08/15/2015 1159
Vinyl acetate	ND		1	5.0	ug/L	08/15/2015 1159
Vinyl chloride	ND		1	1.0	ug/L	08/15/2015 1159
Xylenes (total)	ND		1	1.0	ug/L	08/15/2015 1159

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82957-002
Batch: 82957
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	60-140	08/15/2015 1104
Acetonitrile	500	340		1	68	60-140	08/15/2015 1104
Acrolein	500	510		1	102	14-175	08/15/2015 1104
Acrylonitrile	100	100		1	100	60-140	08/15/2015 1104
Benzene	50	49		1	97	70-130	08/15/2015 1104
Bromodichloromethane	50	49		1	97	70-130	08/15/2015 1104
Bromoform	50	51		1	102	70-130	08/15/2015 1104
Bromomethane (Methyl bromide)	50	50		1	99	60-140	08/15/2015 1104
2-Butanone (MEK)	100	100		1	100	60-140	08/15/2015 1104
Carbon disulfide	50	49		1	97	60-140	08/15/2015 1104
Carbon tetrachloride	50	49		1	98	70-130	08/15/2015 1104
2-Chloro-1,3-Butadiene (Chloroprene)	50	50		1	99	70-130	08/15/2015 1104
Chlorobenzene	50	47		1	93	70-130	08/15/2015 1104
Chloroethane	50	50		1	101	42-163	08/15/2015 1104
Chloroform	50	43		1	86	70-130	08/15/2015 1104
Chloromethane (Methyl chloride)	50	47		1	93	20-158	08/15/2015 1104
3-Chloropropene (Allyl chloride)	50	53		1	105	70-130	08/15/2015 1104
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	08/15/2015 1104
Dibromochloromethane	50	50		1	100	70-130	08/15/2015 1104
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	08/15/2015 1104
Dibromomethane (Methylene bromide)	50	49		1	98	70-130	08/15/2015 1104
trans-1,4-Dichloro-2-butene	50	52		1	103	34-142	08/15/2015 1104
1,4-Dichlorobenzene	50	46		1	92	70-130	08/15/2015 1104
1,3-Dichlorobenzene	50	48		1	96	70-130	08/15/2015 1104
1,2-Dichlorobenzene	50	46		1	93	70-130	08/15/2015 1104
Dichlorodifluoromethane	50	50		1	100	60-140	08/15/2015 1104
1,2-Dichloroethane	50	49		1	98	70-130	08/15/2015 1104
1,1-Dichloroethane	50	47		1	94	70-130	08/15/2015 1104
trans-1,2-Dichloroethene	50	49		1	99	70-130	08/15/2015 1104
cis-1,2-Dichloroethene	50	49		1	97	70-130	08/15/2015 1104
1,1-Dichloroethene	50	49		1	97	70-130	08/15/2015 1104
1,2-Dichloropropane	50	46		1	93	70-130	08/15/2015 1104
trans-1,3-Dichloropropene	50	50		1	100	70-130	08/15/2015 1104
cis-1,3-Dichloropropene	50	52		1	104	70-130	08/15/2015 1104
1,4-Dioxane	500	540		1	109	43-173	08/15/2015 1104
Ethylbenzene	50	47		1	94	70-130	08/15/2015 1104
2-Hexanone	100	100		1	101	60-140	08/15/2015 1104
Isobutyl alcohol	500	550		1	110	70-130	08/15/2015 1104
Methacrylonitrile	50	51		1	102	70-130	08/15/2015 1104
Methyl iodide (Iodomethane)	50	51		1	101	70-130	08/15/2015 1104
4-Methyl-2-pentanone	100	100		1	102	60-140	08/15/2015 1104
Methylene chloride	50	47		1	95	70-130	08/15/2015 1104
Propionitrile (Ethyl cyanide)	500	500		1	101	70-130	08/15/2015 1104
Styrene	50	50		1	99	70-130	08/15/2015 1104

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82957-002
Batch: 82957
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1,2,2-Tetrachloroethane	50	50		1	99	70-130	08/15/2015 1104
1,1,1,2-Tetrachloroethane	50	49		1	98	70-130	08/15/2015 1104
Tetrachloroethene	50	46		1	93	70-130	08/15/2015 1104
Toluene	50	48		1	96	70-130	08/15/2015 1104
1,2,4-Trichlorobenzene	50	46		1	91	70-130	08/15/2015 1104
1,1,2-Trichloroethane	50	49		1	98	70-130	08/15/2015 1104
1,1,1-Trichloroethane	50	48		1	97	70-130	08/15/2015 1104
Trichloroethene	50	46		1	92	70-130	08/15/2015 1104
Trichlorofluoromethane	50	48		1	96	60-140	08/15/2015 1104
1,2,3-Trichloropropane	50	46		1	91	70-130	08/15/2015 1104
Vinyl acetate	50	51		1	103	60-140	08/15/2015 1104
Vinyl chloride	50	47		1	94	60-140	08/15/2015 1104
Xylenes (total)	100	97		1	97	70-130	08/15/2015 1104

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-MS - MB

Sample ID: QQ82121-001
Batch: 82121
Analytical Method: 200.8

Matrix: Aqueous
Prep Method: 200.2
Prep Date: 08/12/2015 1214

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	5.0	ug/L	08/13/2015 1821
Cadmium	ND		1	0.10	ug/L	08/13/2015 1821
Lead	ND		1	2.0	ug/L	08/13/2015 1821
Silver	ND		1	5.0	ug/L	08/14/2015 1901

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-MS - LCS

Sample ID: QQ82121-002
Batch: 82121
Analytical Method: 200.8

Matrix: Aqueous
Prep Method: 200.2
Prep Date: 08/12/2015 1214

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	100	100		1	101	85-115	08/13/2015 1827
Cadmium	100	100		1	100	85-115	08/13/2015 1827
Lead	100	100		1	103	85-115	08/13/2015 1827
Silver	100	110		1	112	85-115	08/14/2015 1907

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 50747

Client: S+G	Report to Contact: K. Anderson	Telephone No. / E-mail: kevin@smithgardner	Quote No.
Address: 614 OH Rd	Sampler's Signature: X Brit Ransom	Analysis (Attach list if more space is needed)	Page 1 of 2
City: Cola; State: SC; Zip Code: 29205	Printed Name: Brit Ransom		QH10039
Project Name: Pinewood			
Project No.: W TP; P.O. No.			

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2015	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	Hexane	NaOH	HCl	NaOH	ZnAc/NaOH	App IX VOC + Cis 1,2	Metals As, Cd, Pb, Ag	Remarks / Cooler I.D.
Sec 1 FD MH 3	8/10	1040	G	A			3G		1P	4G			✓		
Sec 1 FD MH 2	8/10	1055											✓		
Sec 1 FD MH 1	8/10	1105											✓		
Sec 1 FD MH 5	8/10	1115											✓		~~FB 1342~~
Sec 1 FD MH 4	8/10	1130											✓		
001	8/10	1335											✓		
002	8/10	1345											✓		
Pond A Peri FD	8/10	1315											✓	✓	
Pond A Sec 1 FD	8/10	1325											✓	✓	
Pond B Peri FD	8/10	1400											✓	✓	Pond B Peri FD

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Brit Ransom	8/10/15	1450	1. Received by:	8/10/15	1450
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by	8/10/15	1600	4. Laboratory received by: Kelly	8/10/15	1600

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack Receipt Temp. 1-3 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 50746

Client: S + G	Report to Contact: Kevin Anderson	Telephone No. / E-mail: kevin@smithgardnin	Quote No.
Address: 614 off Rd	Sampler's Signature: X [signature]	Analysis (Attach list if more space is needed):	Page 2 of 2
City: Cola; State: SC; Zip Code: 29205	Printed Name: Britt Ranson		QH10039
Project Name: Pinewood			
Project No.: WTP; P.O. No.:			

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2015	Time	G=Grab C=Composite	Aqueous	Solid	Non-Aqueous	Unpres	H2SO4	HNO3	HCl	NaOH	STOC Kit		App 14 VOC + CIS 1,2	Remarks / Cooler I.D.
Field Blank	8/10	1340		1			3G			1G				✓	
Trip Blank				1			2G							✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☐ Standard ☐ Rush (Specify)	☐ Return to Client ☐ Disposal by Lab	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by [signature]	8/10/15	1450	1. Received by [signature]	8/10/15	1450
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by [signature]	8/10/15	1600	4. Laboratory Received by [signature]	8/10/15	1600

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack Receipt Temp. 1.3 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: S+G Cooler Inspected by/date: CWP / 8-10-15 Lot #: QH10039

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 11.3 / 11.3 °C / / °C / / °C / / °C Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____ were received with bubbles >6 mm in diameter.			
Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____ Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____			
Sample labels applied by: CWP Verified by: _____ Date: 8-10-15			

Comments:

Report of Analysis

Smith Gardner, Inc.
14 North Boylan Avenue
Raleigh, NC 27603
Attention: Kevin Anderson

Project Name: Pinewood LF Water Table Program

Lot Number: QH13087
Date Completed: 08/27/2015

Kelly M. Nance
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Smith Gardner, Inc.
Lot Number: QH13087

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
Smith Gardner, Inc.
Lot Number: QH13087

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	OCS001	Aqueous	08/12/2015 1215	08/13/2015
002	WT036	Aqueous	08/12/2015 1210	08/13/2015
003	OCS002	Aqueous	08/12/2015 1310	08/13/2015
004	WT038	Aqueous	08/12/2015 1345	08/13/2015
005	OCS003B	Aqueous	08/12/2015 1355	08/13/2015
006	WT037	Aqueous	08/13/2015 0935	08/13/2015
007	WT026	Aqueous	08/12/2015 1325	08/13/2015
008	WT027	Aqueous	08/12/2015 1335	08/13/2015
009	WT032	Aqueous	08/13/2015 0945	08/13/2015
010	WT030	Aqueous	08/13/2015 1000	08/13/2015
011	OCS006A	Aqueous	08/11/2015 1200	08/13/2015
012	OCS006B	Aqueous	08/11/2015 1205	08/13/2015
013	OCS004	Aqueous	08/11/2015 1255	08/13/2015
014	OCS003A	Aqueous	08/11/2015 1420	08/13/2015
015	POND A	Aqueous	08/12/2015 0915	08/13/2015
016	OCS008R	Aqueous	08/12/2015 1010	08/13/2015
017	OCS005	Aqueous	08/12/2015 1050	08/13/2015
018	WT008	Aqueous	08/12/2015 1130	08/13/2015
019	TRIP BLANK	Aqueous	08/11/2015	08/13/2015
020	FIELD BLANK	Aqueous	08/11/2015 1445	08/13/2015
021	FIELD BLANK	Aqueous	08/13/2015 1010	08/13/2015
022	SBD001	Aqueous	08/13/2015 1250	08/13/2015
023	SBD002	Aqueous	08/13/2015 1255	08/13/2015
024	PDB006	Aqueous	08/13/2015 1305	08/13/2015
025	PDB005	Aqueous	08/13/2015 1320	08/13/2015
026	PDB004	Aqueous	08/13/2015 1332	08/13/2015

(26 samples)

Executive Summary
Smith Gardner, Inc.
Lot Number: QH13087

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	WT036	Aqueous	Tetrachloroethene	8260B	22		ug/L	8
003	OCS002	Aqueous	cis-1,2-Dichloroethene	8260B	1.3		ug/L	10
003	OCS002	Aqueous	Tetrachloroethene	8260B	48		ug/L	10
003	OCS002	Aqueous	Trichloroethene	8260B	7.3		ug/L	10
004	WT038	Aqueous	Tetrachloroethene	8260B	23		ug/L	12
006	WT037	Aqueous	cis-1,2-Dichloroethene	8260B	17		ug/L	16
006	WT037	Aqueous	Tetrachloroethene	8260B	350		ug/L	16
007	WT026	Aqueous	Barium	6010C	0.055		mg/L	19
008	WT027	Aqueous	1,1-Dichloroethane	8260B	1.2		ug/L	21
008	WT027	Aqueous	Arsenic	6010C	0.017		mg/L	22
008	WT027	Aqueous	Barium	6010C	0.15		mg/L	22
008	WT027	Aqueous	Chromium	6010C	0.055		mg/L	22
008	WT027	Aqueous	Lead	6010C	0.039		mg/L	22
008	WT027	Aqueous	Mercury	7470A	0.00013		mg/L	22
009	WT032	Aqueous	Barium	6010C	0.041		mg/L	25
010	WT030	Aqueous	Barium	6010C	0.052		mg/L	28
010	WT030	Aqueous	Cadmium	6010C	0.028		mg/L	28
010	WT030	Aqueous	Chromium	6010C	0.012		mg/L	28
015	POND A	Aqueous	Barium	6010C	0.052		mg/L	39
016	OCS008R	Aqueous	cis-1,2-Dichloroethene	8260B	3.9		ug/L	41
018	WT008	Aqueous	1,1-Dichloroethene	8260B	11		ug/L	45
018	WT008	Aqueous	cis-1,2-Dichloroethene	8260B	49		ug/L	45
018	WT008	Aqueous	Tetrachloroethene	8260B	800		ug/L	45
018	WT008	Aqueous	Barium	6010C	0.075		mg/L	46
018	WT008	Aqueous	Mercury	7470A	0.00071		mg/L	46
021	FIELD BLANK	Aqueous	Chloroform	8260B	1.4		ug/L	49
022	SBD001	Aqueous	cis-1,2-Dichloroethene	8260B	7.9		ug/L	50
022	SBD001	Aqueous	Tetrachloroethene	8260B	23		ug/L	50
022	SBD001	Aqueous	Trichloroethene	8260B	4.0		ug/L	50
023	SBD002	Aqueous	1,1-Dichloroethene	8260B	2.2		ug/L	51
023	SBD002	Aqueous	cis-1,2-Dichloroethene	8260B	31		ug/L	51
023	SBD002	Aqueous	Tetrachloroethene	8260B	86		ug/L	51
023	SBD002	Aqueous	Trichloroethene	8260B	24		ug/L	51
025	PDB005	Aqueous	Tetrachloroethene	8260B	10		ug/L	53

(34 detections)

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-001
Description: OCS001
Matrix: Aqueous
Date Sampled: 08/12/2015 1215
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1210	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1210	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1210	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1210	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.06			su	1
Specific Conductance - Field		120.1	137		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	22.8			° C	1
Turbidity - Field		180.1	23		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-001
Description: OCS001
Matrix: Aqueous
Date Sampled: 08/12/2015 1215
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1846	PAP		82588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-002
Description: WT036
Matrix: Aqueous
Date Sampled: 08/12/2015 1210
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1205	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1205	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1205	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1205	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	4.89			su	1
Specific Conductance - Field		120.1	121		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	22.3			° C	1
Turbidity - Field		180.1	99		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-002
Description: WT036
Matrix: Aqueous
Date Sampled: 08/12/2015 1210
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1908	PAP		82588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	22		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-003
Description: OCS002
Matrix: Aqueous
Date Sampled: 08/12/2015 1310
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1310	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1310	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1310	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1310	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.19			su	1
Specific Conductance - Field		120.1	200		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	22.4			° C	1
Turbidity - Field		180.1	2.0		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-003
Description: OCS002
Matrix: Aqueous
Date Sampled: 08/12/2015 1310
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 2147	PAP		82588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.3		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	48		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	7.3		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-004
Description: WT038
Matrix: Aqueous
Date Sampled: 08/12/2015 1345
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1345	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1345	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1345	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1345	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.82			su	1
Specific Conductance - Field		120.1	249		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	31.4			° C	1
Turbidity - Field		180.1	45		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-004
Description: WT038
Matrix: Aqueous
Date Sampled: 08/12/2015 1345
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 2209	PAP		82588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	23		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		77	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		89	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-005
Description: OCS003B
Matrix: Aqueous
Date Sampled: 08/12/2015 1355
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1333	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1333	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1333	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1333	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.14			su	1
Specific Conductance - Field		120.1	73.4		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	25.6			° C	1
Turbidity - Field		180.1	6.0		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-005
Description: OCS003B
Matrix: Aqueous
Date Sampled: 08/12/2015 1355
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 2232	PAP		82588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-006
Description: WT037
Matrix: Aqueous
Date Sampled: 08/13/2015 0935
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/13/2015 0931	BTF		
1		(Specific Con) 120.1	1	08/13/2015 0931	BTF		
1		(Temperature) SM 2550B-2010	1	08/13/2015 0931	BTF		
1		(Turbidity -) 180.1	1	08/13/2015 0931	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.48			su	1
Specific Conductance - Field		120.1	258		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	23.5			° C	1
Turbidity - Field		180.1	27		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-006
Description: WT037
Matrix: Aqueous
Date Sampled: 08/13/2015 0935
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/18/2015 1256	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		100	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		10	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		10	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	17		5.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	350		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-007
Description: WT026
Matrix: Aqueous
Date Sampled: 08/12/2015 1325
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1325	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1325	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1325	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1325	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.26			su	1
Specific Conductance - Field		120.1	218		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	24.2			° C	1
Turbidity - Field		180.1	17		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-007
Description: WT026
Matrix: Aqueous
Date Sampled: 08/12/2015 1325
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1319	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-007
Description: WT026
Matrix: Aqueous
Date Sampled: 08/12/2015 1325
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/18/2015 1204	COH	08/17/2015 1647	82568
1	3005A	6010C	1	08/15/2015 1451	ECS	08/14/2015 1507	82427

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	0.055		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-008
Description: WT027
Matrix: Aqueous
Date Sampled: 08/12/2015 1335
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1335	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1335	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1335	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1335	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.32			su	1
Specific Conductance - Field		120.1	385		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	25.3			° C	1
Turbidity - Field		180.1	160		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-008
Description: WT027
Matrix: Aqueous
Date Sampled: 08/12/2015 1335
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1342	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	1.2		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-008
Description: WT027
Matrix: Aqueous
Date Sampled: 08/12/2015 1335
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/18/2015 1206	COH	08/17/2015 1647	82568
1	3005A	6010C	1	08/15/2015 1508	ECS	08/14/2015 1507	82427

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	0.017		0.010	mg/L	1
Barium	7440-39-3	6010C	0.15		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	0.055		0.0050	mg/L	1
Lead	7439-92-1	6010C	0.039		0.010	mg/L	1
Mercury	7439-97-6	7470A	0.00013		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-009
Description: WT032
Matrix: Aqueous
Date Sampled: 08/13/2015 0945
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/13/2015 0945	BTF		
1		(Specific Con) 120.1	1	08/13/2015 0945	BTF		
1		(Temperature) SM 2550B-2010	1	08/13/2015 0945	BTF		
1		(Turbidity -) 180.1	1	08/13/2015 0945	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.5			su	1
Specific Conductance - Field		120.1	277		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	25.6			° C	1
Turbidity - Field		180.1	19		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-009
Description: WT032
Matrix: Aqueous
Date Sampled: 08/13/2015 0945
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1405	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-009
Description: WT032
Matrix: Aqueous
Date Sampled: 08/13/2015 0945
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/18/2015 1212	COH	08/17/2015 1647	82568
1	3005A	6010C	1	08/15/2015 1512	ECS	08/14/2015 1507	82427

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	0.041		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-010
Description: WT030
Matrix: Aqueous
Date Sampled: 08/13/2015 1000
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/13/2015 1000	BTF		
1		(Specific Con) 120.1	1	08/13/2015 1000	BTF		
1		(Temperature) SM 2550B-2010	1	08/13/2015 1000	BTF		
1		(Turbidity -) 180.1	1	08/13/2015 1000	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.63			su	1
Specific Conductance - Field		120.1	791		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	24.2			° C	1
Turbidity - Field		180.1	84		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-010
Description: WT030
Matrix: Aqueous
Date Sampled: 08/13/2015 1000
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1427	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-010
Description: WT030
Matrix: Aqueous
Date Sampled: 08/13/2015 1000
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/18/2015 1214	COH	08/17/2015 1647	82568
1	3005A	6010C	1	08/15/2015 1516	ECS	08/14/2015 1507	82427

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	0.052		0.025	mg/L	1
Cadmium	7440-43-9	6010C	0.028		0.0020	mg/L	1
Chromium	7440-47-3	6010C	0.012		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-011
Description: OCS006A
Matrix: Aqueous
Date Sampled: 08/11/2015 1200
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/11/2015 1130	BTF		
1		(Specific Con) 120.1	1	08/11/2015 1130	BTF		
1		(Temperature) SM 2550B-2010	1	08/11/2015 1130	BTF		
1		(Turbidity -) 180.1	1	08/11/2015 1130	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.69			su	1
Specific Conductance - Field		120.1	127		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	20.2			° C	1
Turbidity - Field		180.1	45		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-011
Description: OCS006A
Matrix: Aqueous
Date Sampled: 08/11/2015 1200
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1428	DCS		82526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-012
Description: OCS006B
Matrix: Aqueous
Date Sampled: 08/11/2015 1205
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/11/2015 1144	BTF		
1		(Specific Con) 120.1	1	08/11/2015 1144	BTF		
1		(Temperature) SM 2550B-2010	1	08/11/2015 1144	BTF		
1		(Turbidity -) 180.1	1	08/11/2015 1144	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.45			su	1
Specific Conductance - Field		120.1	90.0		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	20.9			° C	1
Turbidity - Field		180.1	280		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-012
Description: OCS006B
Matrix: Aqueous
Date Sampled: 08/11/2015 1205
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1451	DCS		82526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-013
Description: OCS004
Matrix: Aqueous
Date Sampled: 08/11/2015 1255
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/11/2015 1250	BTF		
1		(Specific Con) 120.1	1	08/11/2015 1250	BTF		
1		(Temperature) SM 2550B-2010	1	08/11/2015 1250	BTF		
1		(Turbidity -) 180.1	1	08/11/2015 1250	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.06			su	1
Specific Conductance - Field		120.1	83.9		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	21.6			° C	1
Turbidity - Field		180.1	23		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-013
Description: OCS004
Matrix: Aqueous
Date Sampled: 08/11/2015 1255
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1514	DCS		82526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-014
Description: OCS003A
Matrix: Aqueous
Date Sampled: 08/11/2015 1420
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/11/2015 1420	BTF		
1		(Specific Con) 120.1	1	08/11/2015 1420	BTF		
1		(Temperature) SM 2550B-2010	1	08/11/2015 1420	BTF		
1		(Turbidity -) 180.1	1	08/11/2015 1420	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.89			su	1
Specific Conductance - Field		120.1	77.0		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	21.3			° C	1
Turbidity - Field		180.1	8.9		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-014
Description: OCS003A
Matrix: Aqueous
Date Sampled: 08/11/2015 1420
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1537	DCS		82526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-015
Description: POND A
Matrix: Aqueous
Date Sampled: 08/12/2015 0915
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 0915	BTF		
1		(Specific Con) 120.1	1	08/12/2015 0915	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 0915	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 0915	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.76			su	1
Specific Conductance - Field		120.1	289		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	26.9			° C	1
Turbidity - Field		180.1	23		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-015
Description: POND A
Matrix: Aqueous
Date Sampled: 08/12/2015 0915
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1450	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-015
Description: POND A
Matrix: Aqueous
Date Sampled: 08/12/2015 0915
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/18/2015 1216	COH	08/17/2015 1647	82568
1	3005A	6010C	1	08/15/2015 1520	ECS	08/14/2015 1507	82427

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	0.052		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-016
Description: OCS008R
Matrix: Aqueous
Date Sampled: 08/12/2015 1010
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1010	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1010	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1010	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1010	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.64			su	1
Specific Conductance - Field		120.1	450		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	21.0			° C	1
Turbidity - Field		180.1	65		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-016
Description: OCS008R
Matrix: Aqueous
Date Sampled: 08/12/2015 1010
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1513	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	3.9		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-017
Description: OCS005
Matrix: Aqueous
Date Sampled: 08/12/2015 1050
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1050	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1050	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1050	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1050	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	6.72			su	1
Specific Conductance - Field		120.1	142		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	21.6			° C	1
Turbidity - Field		180.1	24		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-017
Description: OCS005
Matrix: Aqueous
Date Sampled: 08/12/2015 1050
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1535	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-018
Description: WT008
Matrix: Aqueous
Date Sampled: 08/12/2015 1130
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(pH - Field) SM 4500-H B-2011	1	08/12/2015 1125	BTF		
1		(Specific Con) 120.1	1	08/12/2015 1125	BTF		
1		(Temperature) SM 2550B-2010	1	08/12/2015 1125	BTF		
1		(Turbidity -) 180.1	1	08/12/2015 1125	BTF		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
pH - Field		SM 4500-H B	5.03			su	1
Specific Conductance - Field		120.1	111		1.00	umhos/cm	1
Temperature - Field		SM 2550B-20	22.9			° C	1
Turbidity - Field		180.1	16		1.0	NTU	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-018
Description: WT008
Matrix: Aqueous
Date Sampled: 08/12/2015 1130
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	08/18/2015 1558	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		200	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		200	ug/L	1
Benzene	71-43-2	8260B	ND		10	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		10	ug/L	1
Bromoform	75-25-2	8260B	ND		10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		20	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		10	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		10	ug/L	1
Chloroethane	75-00-3	8260B	ND		20	ug/L	1
Chloroform	67-66-3	8260B	ND		10	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		10	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		10	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		10	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		10	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		10	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		10	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	11		10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	49		10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		10	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		10	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		10	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		10	ug/L	1
Tetrachloroethene	127-18-4	8260B	800		10	ug/L	1
Toluene	108-88-3	8260B	ND		10	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		10	ug/L	1
Trichloroethene	79-01-6	8260B	ND		10	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		10	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-018
Description: WT008
Matrix: Aqueous
Date Sampled: 08/12/2015 1130
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/18/2015 1218	COH	08/17/2015 1647	82568
1	3005A	6010C	1	08/15/2015 1525	ECS	08/14/2015 1507	82427

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	0.075		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	0.00071		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-019
Description: TRIP BLANK
Matrix: Aqueous
Date Sampled: 08/11/2015
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1058	DCS		82526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-020
Description: FIELD BLANK
Matrix: Aqueous
Date Sampled: 08/11/2015 1445
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/17/2015 1122	DCS		82526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-021
Description: FIELD BLANK
Matrix: Aqueous
Date Sampled: 08/13/2015 1010
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1621	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	1.4		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-022
Description: SBD001
Matrix: Aqueous
Date Sampled: 08/13/2015 1250
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1644	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	7.9		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	23		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	4.0		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-023
Description: SBD002
Matrix: Aqueous
Date Sampled: 08/13/2015 1255
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1706	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	2.2		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	31		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	86		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	24		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-024
Description: PDB006
Matrix: Aqueous
Date Sampled: 08/13/2015 1305
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1729	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-025
Description: PDB005
Matrix: Aqueous
Date Sampled: 08/13/2015 1320
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1752	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	10		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QH13087-026
Description: PDB004
Matrix: Aqueous
Date Sampled: 08/13/2015 1332
Date Received: 08/13/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/18/2015 1814	PAP		82632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acrolein	107-02-8	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82526-001
Batch: 82526
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acrolein	ND		1	20	ug/L	08/17/2015 1003
Acrylonitrile	ND		1	20	ug/L	08/17/2015 1003
Benzene	ND		1	1.0	ug/L	08/17/2015 1003
Bromodichloromethane	ND		1	1.0	ug/L	08/17/2015 1003
Bromoform	ND		1	1.0	ug/L	08/17/2015 1003
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	08/17/2015 1003
Carbon tetrachloride	ND		1	1.0	ug/L	08/17/2015 1003
Chlorobenzene	ND		1	1.0	ug/L	08/17/2015 1003
Chloroethane	ND		1	2.0	ug/L	08/17/2015 1003
Chloroform	ND		1	1.0	ug/L	08/17/2015 1003
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/17/2015 1003
Dibromochloromethane	ND		1	1.0	ug/L	08/17/2015 1003
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/17/2015 1003
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/17/2015 1003
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/17/2015 1003
Dichlorodifluoromethane	ND		1	2.0	ug/L	08/17/2015 1003
1,2-Dichloroethane	ND		1	1.0	ug/L	08/17/2015 1003
1,1-Dichloroethane	ND		1	1.0	ug/L	08/17/2015 1003
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/17/2015 1003
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/17/2015 1003
1,1-Dichloroethene	ND		1	1.0	ug/L	08/17/2015 1003
1,2-Dichloropropane	ND		1	1.0	ug/L	08/17/2015 1003
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/17/2015 1003
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/17/2015 1003
Ethylbenzene	ND		1	1.0	ug/L	08/17/2015 1003
Methylene chloride	ND		1	1.0	ug/L	08/17/2015 1003
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/17/2015 1003
Tetrachloroethene	ND		1	1.0	ug/L	08/17/2015 1003
Toluene	ND		1	1.0	ug/L	08/17/2015 1003
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/17/2015 1003
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/17/2015 1003
Trichloroethene	ND		1	1.0	ug/L	08/17/2015 1003
Trichlorofluoromethane	ND		1	1.0	ug/L	08/17/2015 1003
Vinyl chloride	ND		1	1.0	ug/L	08/17/2015 1003

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82526-002
Batch: 82526
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acrolein	500	560		1	112	60-140	08/17/2015 0908
Acrylonitrile	100	110		1	109	70-130	08/17/2015 0908
Benzene	50	53		1	107	70-130	08/17/2015 0908
Bromodichloromethane	50	55		1	109	70-130	08/17/2015 0908
Bromoform	50	59		1	118	70-130	08/17/2015 0908
Bromomethane (Methyl bromide)	50	55		1	111	60-140	08/17/2015 0908
Carbon tetrachloride	50	54		1	109	70-130	08/17/2015 0908
Chlorobenzene	50	53		1	107	70-130	08/17/2015 0908
Chloroethane	50	58		1	116	42-163	08/17/2015 0908
Chloroform	50	47		1	95	70-130	08/17/2015 0908
Chloromethane (Methyl chloride)	50	53		1	107	60-140	08/17/2015 0908
Dibromochloromethane	50	57		1	114	70-130	08/17/2015 0908
1,4-Dichlorobenzene	50	53		1	105	70-130	08/17/2015 0908
1,3-Dichlorobenzene	50	55		1	110	70-130	08/17/2015 0908
1,2-Dichlorobenzene	50	53		1	106	70-130	08/17/2015 0908
Dichlorodifluoromethane	50	56		1	112	60-140	08/17/2015 0908
1,2-Dichloroethane	50	54		1	107	70-130	08/17/2015 0908
1,1-Dichloroethane	50	53		1	105	70-130	08/17/2015 0908
trans-1,2-Dichloroethene	50	54		1	107	70-130	08/17/2015 0908
cis-1,2-Dichloroethene	50	53		1	106	70-130	08/17/2015 0908
1,1-Dichloroethene	50	52		1	105	70-130	08/17/2015 0908
1,2-Dichloropropane	50	52		1	104	70-130	08/17/2015 0908
trans-1,3-Dichloropropene	50	59		1	117	70-130	08/17/2015 0908
cis-1,3-Dichloropropene	50	58		1	116	70-130	08/17/2015 0908
Ethylbenzene	50	54		1	108	70-130	08/17/2015 0908
Methylene chloride	50	53		1	105	70-130	08/17/2015 0908
1,1,2,2-Tetrachloroethane	50	54		1	108	60-140	08/17/2015 0908
Tetrachloroethene	50	53		1	106	70-130	08/17/2015 0908
Toluene	50	54		1	109	70-130	08/17/2015 0908
1,1,2-Trichloroethane	50	55		1	109	70-130	08/17/2015 0908
1,1,1-Trichloroethane	50	54		1	108	70-130	08/17/2015 0908
Trichloroethene	50	52		1	105	70-130	08/17/2015 0908
Trichlorofluoromethane	50	55		1	111	70-130	08/17/2015 0908
Vinyl chloride	50	54		1	107	70-130	08/17/2015 0908

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82588-001
Batch: 82588
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acrolein	ND		1	20	ug/L	08/17/2015 1807
Acrylonitrile	ND		1	20	ug/L	08/17/2015 1807
Benzene	ND		1	1.0	ug/L	08/17/2015 1807
Bromodichloromethane	ND		1	1.0	ug/L	08/17/2015 1807
Bromoform	ND		1	1.0	ug/L	08/17/2015 1807
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	08/17/2015 1807
Carbon tetrachloride	ND		1	1.0	ug/L	08/17/2015 1807
Chlorobenzene	ND		1	1.0	ug/L	08/17/2015 1807
Chloroethane	ND		1	2.0	ug/L	08/17/2015 1807
Chloroform	ND		1	1.0	ug/L	08/17/2015 1807
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/17/2015 1807
Dibromochloromethane	ND		1	1.0	ug/L	08/17/2015 1807
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/17/2015 1807
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/17/2015 1807
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/17/2015 1807
Dichlorodifluoromethane	ND		1	2.0	ug/L	08/17/2015 1807
1,2-Dichloroethane	ND		1	1.0	ug/L	08/17/2015 1807
1,1-Dichloroethane	ND		1	1.0	ug/L	08/17/2015 1807
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/17/2015 1807
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/17/2015 1807
1,1-Dichloroethene	ND		1	1.0	ug/L	08/17/2015 1807
1,2-Dichloropropane	ND		1	1.0	ug/L	08/17/2015 1807
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/17/2015 1807
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/17/2015 1807
Ethylbenzene	ND		1	1.0	ug/L	08/17/2015 1807
Methylene chloride	ND		1	1.0	ug/L	08/17/2015 1807
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/17/2015 1807
Tetrachloroethene	ND		1	1.0	ug/L	08/17/2015 1807
Toluene	ND		1	1.0	ug/L	08/17/2015 1807
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/17/2015 1807
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/17/2015 1807
Trichloroethene	ND		1	1.0	ug/L	08/17/2015 1807
Trichlorofluoromethane	ND		1	1.0	ug/L	08/17/2015 1807
Vinyl chloride	ND		1	1.0	ug/L	08/17/2015 1807

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		78	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82588-002
Batch: 82588
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acrolein	500	480		1	96	60-140	08/17/2015 1641
Acrylonitrile	100	100		1	100	70-130	08/17/2015 1641
Benzene	50	49		1	98	70-130	08/17/2015 1641
Bromodichloromethane	50	49		1	98	70-130	08/17/2015 1641
Bromoform	50	51		1	101	70-130	08/17/2015 1641
Bromomethane (Methyl bromide)	50	50		1	99	60-140	08/17/2015 1641
Carbon tetrachloride	50	50		1	100	70-130	08/17/2015 1641
Chlorobenzene	50	50		1	99	70-130	08/17/2015 1641
Chloroethane	50	49		1	98	42-163	08/17/2015 1641
Chloroform	50	45		1	90	70-130	08/17/2015 1641
Chloromethane (Methyl chloride)	50	47		1	94	60-140	08/17/2015 1641
Dibromochloromethane	50	50		1	100	70-130	08/17/2015 1641
1,4-Dichlorobenzene	50	48		1	96	70-130	08/17/2015 1641
1,3-Dichlorobenzene	50	48		1	95	70-130	08/17/2015 1641
1,2-Dichlorobenzene	50	49		1	97	70-130	08/17/2015 1641
Dichlorodifluoromethane	50	50		1	101	60-140	08/17/2015 1641
1,2-Dichloroethane	50	48		1	96	70-130	08/17/2015 1641
1,1-Dichloroethane	50	47		1	95	70-130	08/17/2015 1641
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/17/2015 1641
cis-1,2-Dichloroethene	50	48		1	95	70-130	08/17/2015 1641
1,1-Dichloroethene	50	49		1	98	70-130	08/17/2015 1641
1,2-Dichloropropane	50	48		1	95	70-130	08/17/2015 1641
trans-1,3-Dichloropropene	50	49		1	98	70-130	08/17/2015 1641
cis-1,3-Dichloropropene	50	48		1	96	70-130	08/17/2015 1641
Ethylbenzene	50	50		1	99	70-130	08/17/2015 1641
Methylene chloride	50	46		1	91	70-130	08/17/2015 1641
1,1,2,2-Tetrachloroethane	50	47		1	94	60-140	08/17/2015 1641
Tetrachloroethene	50	49		1	98	70-130	08/17/2015 1641
Toluene	50	49		1	98	70-130	08/17/2015 1641
1,1,2-Trichloroethane	50	49		1	98	70-130	08/17/2015 1641
1,1,1-Trichloroethane	50	49		1	98	70-130	08/17/2015 1641
Trichloroethene	50	50		1	100	70-130	08/17/2015 1641
Trichlorofluoromethane	50	50		1	99	70-130	08/17/2015 1641
Vinyl chloride	50	48		1	95	70-130	08/17/2015 1641

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		80	70-130
Toluene-d8		89	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: QH13087-001DU
Batch: 82588
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acrolein	ND	ND		1	0.00	20	08/17/2015 2254
Acrylonitrile	ND	ND		1	0.00	20	08/17/2015 2254
Benzene	ND	ND		1	0.00	20	08/17/2015 2254
Bromodichloromethane	ND	ND		1	0.00	20	08/17/2015 2254
Bromoform	ND	ND		1	0.00	20	08/17/2015 2254
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	08/17/2015 2254
Carbon tetrachloride	ND	ND		1	0.00	20	08/17/2015 2254
Chlorobenzene	ND	ND		1	0.00	20	08/17/2015 2254
Chloroethane	ND	ND		1	0.00	20	08/17/2015 2254
Chloroform	ND	ND		1	0.00	20	08/17/2015 2254
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	08/17/2015 2254
Dibromochloromethane	ND	ND		1	0.00	20	08/17/2015 2254
1,2-Dichlorobenzene	ND	ND		1	0.00	20	08/17/2015 2254
1,3-Dichlorobenzene	ND	ND		1	0.00	20	08/17/2015 2254
1,4-Dichlorobenzene	ND	ND		1	0.00	20	08/17/2015 2254
Dichlorodifluoromethane	ND	ND		1	0.00	20	08/17/2015 2254
1,1-Dichloroethane	ND	ND		1	0.00	20	08/17/2015 2254
1,2-Dichloroethane	ND	ND		1	0.00	20	08/17/2015 2254
1,1-Dichloroethene	ND	ND		1	0.00	20	08/17/2015 2254
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	08/17/2015 2254
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	08/17/2015 2254
1,2-Dichloropropane	ND	ND		1	0.00	20	08/17/2015 2254
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	08/17/2015 2254
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	08/17/2015 2254
Ethylbenzene	ND	ND		1	0.00	20	08/17/2015 2254
Methylene chloride	ND	ND		1	0.00	20	08/17/2015 2254
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	08/17/2015 2254
Tetrachloroethene	ND	ND		1	0.00	20	08/17/2015 2254
Toluene	ND	ND		1	0.00	20	08/17/2015 2254
1,1,1-Trichloroethane	ND	ND		1	0.00	20	08/17/2015 2254
1,1,2-Trichloroethane	ND	ND		1	0.00	20	08/17/2015 2254
Trichloroethene	ND	ND		1	0.00	20	08/17/2015 2254
Trichlorofluoromethane	ND	ND		1	0.00	20	08/17/2015 2254
Vinyl chloride	ND	ND		1	0.00	20	08/17/2015 2254

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		75	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		88	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: QH13087-002MS
Batch: 82588
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acrolein	ND	500	500		1	100	26-134	08/17/2015 2317
Acrylonitrile	ND	100	96		1	96	70-122	08/17/2015 2317
Benzene	ND	50	49		1	99	72-127	08/17/2015 2317
Bromodichloromethane	ND	50	49		1	97	71-143	08/17/2015 2317
Bromoform	ND	50	48		1	96	65-131	08/17/2015 2317
Bromomethane (Methyl bromide)	ND	50	52		1	104	36-168	08/17/2015 2317
Carbon tetrachloride	ND	50	53		1	107	37-166	08/17/2015 2317
Chlorobenzene	ND	50	49		1	97	78-129	08/17/2015 2317
Chloroethane	ND	50	52		1	104	60-140	08/17/2015 2317
Chloroform	ND	50	47		1	93	63-123	08/17/2015 2317
Chloromethane (Methyl chloride)	ND	50	52		1	104	20-158	08/17/2015 2317
Dibromochloromethane	ND	50	48		1	96	74-134	08/17/2015 2317
1,2-Dichlorobenzene	ND	50	49		1	98	70-130	08/17/2015 2317
1,3-Dichlorobenzene	ND	50	48		1	97	70-130	08/17/2015 2317
1,4-Dichlorobenzene	ND	50	47		1	95	70-130	08/17/2015 2317
Dichlorodifluoromethane	ND	50	56		1	112	10-158	08/17/2015 2317
1,1-Dichloroethane	ND	50	50		1	99	69-132	08/17/2015 2317
1,2-Dichloroethane	ND	50	48		1	97	59-143	08/17/2015 2317
1,1-Dichloroethene	ND	50	53		1	107	50-132	08/17/2015 2317
cis-1,2-Dichloroethene	ND	50	50		1	99	70-130	08/17/2015 2317
trans-1,2-Dichloroethene	ND	50	50		1	101	67-141	08/17/2015 2317
1,2-Dichloropropane	ND	50	47		1	95	71-126	08/17/2015 2317
cis-1,3-Dichloropropene	ND	50	47		1	94	69-130	08/17/2015 2317
trans-1,3-Dichloropropene	ND	50	46		1	92	73-131	08/17/2015 2317
Ethylbenzene	ND	50	50		1	100	79-132	08/17/2015 2317
Methylene chloride	ND	50	47		1	95	69-129	08/17/2015 2317
1,1,2,2-Tetrachloroethane	ND	50	47		1	93	60-155	08/17/2015 2317
Tetrachloroethene	22	50	71		1	98	70-130	08/17/2015 2317
Toluene	ND	50	49		1	98	75-125	08/17/2015 2317
1,1,1-Trichloroethane	ND	50	53		1	107	77-132	08/17/2015 2317
1,1,2-Trichloroethane	ND	50	47		1	93	77-132	08/17/2015 2317
Trichloroethene	ND	50	50		1	100	73-124	08/17/2015 2317
Trichlorofluoromethane	ND	50	54		1	108	41-173	08/17/2015 2317
Vinyl chloride	ND	50	53		1	105	29-159	08/17/2015 2317

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		79	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ82632-001
Batch: 82632
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acrolein	ND		1	20	ug/L	08/18/2015 1001
Acrylonitrile	ND		1	20	ug/L	08/18/2015 1001
Benzene	ND		1	1.0	ug/L	08/18/2015 1001
Bromodichloromethane	ND		1	1.0	ug/L	08/18/2015 1001
Bromoform	ND		1	1.0	ug/L	08/18/2015 1001
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	08/18/2015 1001
Carbon tetrachloride	ND		1	1.0	ug/L	08/18/2015 1001
Chlorobenzene	ND		1	1.0	ug/L	08/18/2015 1001
Chloroethane	ND		1	2.0	ug/L	08/18/2015 1001
Chloroform	ND		1	1.0	ug/L	08/18/2015 1001
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/18/2015 1001
Dibromochloromethane	ND		1	1.0	ug/L	08/18/2015 1001
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/18/2015 1001
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/18/2015 1001
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/18/2015 1001
Dichlorodifluoromethane	ND		1	2.0	ug/L	08/18/2015 1001
1,2-Dichloroethane	ND		1	1.0	ug/L	08/18/2015 1001
1,1-Dichloroethane	ND		1	1.0	ug/L	08/18/2015 1001
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/18/2015 1001
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/18/2015 1001
1,1-Dichloroethene	ND		1	1.0	ug/L	08/18/2015 1001
1,2-Dichloropropane	ND		1	1.0	ug/L	08/18/2015 1001
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/18/2015 1001
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/18/2015 1001
Ethylbenzene	ND		1	1.0	ug/L	08/18/2015 1001
Methylene chloride	ND		1	1.0	ug/L	08/18/2015 1001
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/18/2015 1001
Tetrachloroethene	ND		1	1.0	ug/L	08/18/2015 1001
Toluene	ND		1	1.0	ug/L	08/18/2015 1001
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/18/2015 1001
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/18/2015 1001
Trichloroethene	ND		1	1.0	ug/L	08/18/2015 1001
Trichlorofluoromethane	ND		1	1.0	ug/L	08/18/2015 1001
Vinyl chloride	ND		1	1.0	ug/L	08/18/2015 1001

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		80	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ82632-002
Batch: 82632
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acrolein	500	490		1	98	60-140	08/18/2015 0835
Acrylonitrile	100	99		1	99	70-130	08/18/2015 0835
Benzene	50	47		1	95	70-130	08/18/2015 0835
Bromodichloromethane	50	47		1	94	70-130	08/18/2015 0835
Bromoform	50	47		1	95	70-130	08/18/2015 0835
Bromomethane (Methyl bromide)	50	52		1	105	60-140	08/18/2015 0835
Carbon tetrachloride	50	51		1	102	70-130	08/18/2015 0835
Chlorobenzene	50	48		1	96	70-130	08/18/2015 0835
Chloroethane	50	52		1	105	42-163	08/18/2015 0835
Chloroform	50	45		1	91	70-130	08/18/2015 0835
Chloromethane (Methyl chloride)	50	50		1	101	60-140	08/18/2015 0835
Dibromochloromethane	50	48		1	95	70-130	08/18/2015 0835
1,4-Dichlorobenzene	50	47		1	94	70-130	08/18/2015 0835
1,3-Dichlorobenzene	50	48		1	96	70-130	08/18/2015 0835
1,2-Dichlorobenzene	50	48		1	96	70-130	08/18/2015 0835
Dichlorodifluoromethane	50	52		1	105	60-140	08/18/2015 0835
1,2-Dichloroethane	50	48		1	95	70-130	08/18/2015 0835
1,1-Dichloroethane	50	48		1	97	70-130	08/18/2015 0835
trans-1,2-Dichloroethene	50	49		1	99	70-130	08/18/2015 0835
cis-1,2-Dichloroethene	50	48		1	97	70-130	08/18/2015 0835
1,1-Dichloroethene	50	50		1	100	70-130	08/18/2015 0835
1,2-Dichloropropane	50	46		1	92	70-130	08/18/2015 0835
trans-1,3-Dichloropropene	50	47		1	94	70-130	08/18/2015 0835
cis-1,3-Dichloropropene	50	46		1	93	70-130	08/18/2015 0835
Ethylbenzene	50	49		1	98	70-130	08/18/2015 0835
Methylene chloride	50	47		1	94	70-130	08/18/2015 0835
1,1,2,2-Tetrachloroethane	50	46		1	92	60-140	08/18/2015 0835
Tetrachloroethene	50	47		1	95	70-130	08/18/2015 0835
Toluene	50	47		1	94	70-130	08/18/2015 0835
1,1,2-Trichloroethane	50	47		1	94	70-130	08/18/2015 0835
1,1,1-Trichloroethane	50	50		1	100	70-130	08/18/2015 0835
Trichloroethene	50	47		1	95	70-130	08/18/2015 0835
Trichlorofluoromethane	50	53		1	107	70-130	08/18/2015 0835
Vinyl chloride	50	51		1	102	70-130	08/18/2015 0835

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		82	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: QQ82427-001
Batch: 82427
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 08/14/2015 1507

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	0.010	mg/L	08/15/2015 1334
Barium	ND		1	0.025	mg/L	08/15/2015 1334
Cadmium	ND		1	0.0020	mg/L	08/15/2015 1334
Chromium	ND		1	0.0050	mg/L	08/15/2015 1334
Lead	ND		1	0.010	mg/L	08/15/2015 1334
Selenium	ND		1	0.010	mg/L	08/15/2015 1334
Silver	ND		1	0.0050	mg/L	08/15/2015 1334

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: QQ82427-002
Batch: 82427
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 08/14/2015 1507

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.41		1	102	80-120	08/15/2015 1338
Barium	2.0	2.1		1	105	80-120	08/15/2015 1338
Cadmium	0.40	0.40		1	101	80-120	08/15/2015 1338
Chromium	2.0	2.1		1	105	80-120	08/15/2015 1338
Lead	0.40	0.42		1	105	80-120	08/15/2015 1338
Selenium	0.40	0.42		1	105	80-120	08/15/2015 1338
Silver	0.40	0.43		1	107	80-120	08/15/2015 1338

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: QH13087-007MS
Batch: 82427
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 08/14/2015 1507

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	ND	0.40	0.41		1	101	75-125	08/15/2015 1455
Barium	0.055	2.0	2.1		1	104	75-125	08/15/2015 1455
Cadmium	ND	0.40	0.40		1	100	75-125	08/15/2015 1455
Chromium	ND	2.0	2.1		1	103	75-125	08/15/2015 1455
Lead	ND	0.40	0.41		1	103	75-125	08/15/2015 1455
Selenium	ND	0.40	0.41		1	102	75-125	08/15/2015 1455
Silver	ND	0.40	0.43		1	107	75-125	08/15/2015 1455

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MSD

Sample ID: QH13087-007MD
Batch: 82427
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 08/14/2015 1507

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	ND	0.40	0.40		1	100	1.6	75-125	20	08/15/2015 1459
Barium	0.055	2.0	2.1		1	103	1.5	75-125	20	08/15/2015 1459
Cadmium	ND	0.40	0.39		1	98	1.4	75-125	20	08/15/2015 1459
Chromium	ND	2.0	2.0		1	102	1.3	75-125	20	08/15/2015 1459
Lead	ND	0.40	0.41		1	102	0.85	75-125	20	08/15/2015 1459
Selenium	ND	0.40	0.41		1	102	0.55	75-125	20	08/15/2015 1459
Silver	ND	0.40	0.42		1	105	1.3	75-125	20	08/15/2015 1459

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: QQ82568-001
Batch: 82568
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/17/2015 1647

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	08/18/2015 1129

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: QQ82568-002
Batch: 82568
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/17/2015 1647

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0021		1	103	80-120	08/18/2015 1131

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 45365

Client	S+ G
Address	614 off Rd
City	Cola
State	SC
Zip Code	29205
Project Name	Pinewood
Project No.	WTP
P.O. No.	
Report to Contact	Kevin Anderson
Sampler's Signature	X [signature]
Printed Name	Brit Ranson
Telephone No. / Email	Kevin@smithgardner
Quote No.	
Analysis (Attach list if more space is needed)	
Page	1 of 3

QH13087

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2015	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Wipe/Aqueous	No of Containers by Preservative Type: Unpres.	NaOH	HNO3	HCl	NaOH	Zn(Ac)2		VOCs	Metals								Remarks / Lower I.D.
OCS001	8/12	1215	G	X			36			16				/	X								No metals
WT036	8/12	1210	G	X			36			16				/	X								No metals
OCS002	8/12	1310	G	X			36			16				X									
WT038	8/12	1345	G	X			36			16				X									
OCS003B	8/12	1355	G	X			36			16				X									
WT037	8/12	935	G	X			36			16				X									
WT026	8/12	1325	G	X			36		HP	16				X	X								
WT027	8/12	1335	G	X			36		HP	16				X	X								
WT032	8/13	945	G	X			36		HP	16				X	X								
WT030	8/13	1000	G	X			36		HP	16				X	X								

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab — RNA 8-13-15

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify) — RNA 8-13-15

	Date	Time		Date	Time
1. Relinquished by [signature]	8/13/15	~~1325~~ 1525	1. Received by [signature]	8-13-15	~~1325~~ 1525
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by [signature]	8-13-15	1647	4. Laboratory received by [signature]	8/13/15	1647

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack
Receipt Temp. 4.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 45364

Client	S+ G
Address	614 6th Rd
City	Cola
State	SC
Zip Code	29205
Project Name	Pinewood
Project No.	Water Table
P.O. No.	
Report to Contact	Kevin Anderson
Sampler's Signature	x Brit Ranson
Printed Name	Brit Ranson
Telephone No. / E-mail	
Quote No.	
Analysis (Attach list if more space is needed)	
Page	2 of 3

QH13087

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2015	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs	Metals	Remarks / Cooler I.D.
OCS 006A	8/11	1200	G	✓			36			16			✓	✓	
OCS 006B	8/11	1205	G	✓			36			16			✓		VOC = priority
OCS 004	8/11	1255	G	✓			36			16			✓		pollutants +
OCS 003A	8/11	1420	G	✓			36			16			✓		cis 1,2
Pond A	8/12	915	G	✓			36			16			✓		
OCS 008R	8/12	1010	G	✓			36			16			✓		& RCRA
OCS 005	8/12	1050	G	✓			36			16			✓		
WT 06 8	8/12	1130	G	✓			36		1P	16			✓	✓	
RR ~~OCS 005~~ Trip Blank				✓			26						✓		
Field blank	8/11	1445		✓			36			16			✓		

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab — RHA 8-13-15

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify) RHA 8-13-15

	Date	Time		Date	Time
1. Relinquished by: Brit Ranson	8/13/15	~~1325~~ 1525	1. Received by: Rachel Auburn	8-13-15	~~1326~~ 1525
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: Rachel Auburn	8-13-15	1647	4. Laboratory received by: Tracy Dowling	8/13/15	1647

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 4.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 45363

Client	S:G
Address	614 Off Rd
City	Cola
State	SC
Zip Code	29205
Project Name	Pineywood - Water Table
Report to Contact	Kevin Anderson
Sampler's Signature	X
Printed Name	Brian T. Fedorick
Telephone No. / E-mail	Kevin@smithgardeninc.com
Quote No.	
Page	3 of 3
Project No.	
P.O. No.	

QH13087

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2015	Time	Grab G / Composite C	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	S2O3 Kit		Analysis (Attach list if more space is needed): VOC's	Remarks / Cooler I.D.
Field Blank	8/13	1010	G	✓			3G			3 16				X	VOC = Priority Pollutant + Cis 1,2 DCE
SBD001	~~1250~~ 8/13 BR	1250	G	✓			3G			16				X	
SBD 002	8/13	1255	G	✓			3G			16				X	
PDB 006	8/13	1305	G	✓			3G			16				X	
PDB 005	8/13	1320	G	✓			3G			16				X	
PDB 004	8/13	1332	G	✓			3G			16				X	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab — RNA 8-13-15

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Brian Fedorick	8/13/15	~~1325~~ 1525	1. Received by: Rachel Andrews	8-13-15	1525
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: Rachel Andrews	8-13-15	1649	4. Laboratory received by: Tracy Dowling	8/13/15	1647

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY: Received on ice (Circle) (Yes) No ice Pack — Receipt Temp. 4.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Page 1 of 1
Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: Smith Gardner Cooler Inspected by/date: KJ / 8/13/15 Lot #: QH13087

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
/ 4.2 / 4.2 °C / / °C / / °C / / °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☐	No ☑		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☑	No ☐	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☑	No ☑ KJ 8/13/15	15127	24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) 024, 025, 026 were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____
Sample(s)_____ were not received at a pH of <2 and were adjusted accordingly using SR#

Sample labels applied by: KJ Verified by: _____ Date: 8/13/15

Comments:

Samples 024, 025, 026 had 1 empty NP vial + a half empty NP vial.

Samples 001 – 018 had 4 HCl vials + 3 NP vials. COC says 1 HCl vial + 3 NP vials.

2"

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS-001 Sample Time 1215

Field Personnel BR, AT Sample Date 8/12

Weather Conditions clear Air Temperature (°F) 95

Total Depth (ft.) 58.98 (from well log)

Depth to Static Water Surface (ft.) 31.91 LWL= 27.88

Calculated Well Volume (1 casing volume) (gal.) 4.5

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 22.7

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) —

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH 8/12 Date

Purge Start Time	1140	Purge Stop Time	1210
Purge Date	8/12	Total Gallons Purged	13.5
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	4.5	9.0	13.5		
Time	-	1140	1150	1159	1210		
Temperature	°C	22	22.9	21.3	22.8		
pH	Std. units	6.26	6.14	5.48	6.06		
Conductivity	µmhos/cm	115.7	132.8	138.0	136.5		
Turbidity	NTUs	—	—	—	22.6		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☐ No ☑

Rinsate Blank Yes ☐ No ☑

Metals verified (<2 pH) Yes ☐ No ☑ (10% of samples verified per SAP)

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☑

Field Blank Yes ☐ No ☑

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-036

Sample Time 1210

Field Personnel BF, AT

Sample Date 8/12/10

Weather Conditions Clear

Air Temperature (°F) 95

Total Depth (ft.) 27.89 (from well log)

CLC = 8.34

Depth to Static Water Surface (ft.) 19.55

Calculated Well Volume (1 casing volume) (gal.) 1.4

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 6.8

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) —

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/12 Date

Purge Start Time 1150

Purge Stop Time 1205

Purge Date 8/12

Total Gallons Purged 4.2

Purge Method Bailer

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	Gal.	—	1.4	2.8	C Sam		
Time	-	1150	1157	1200	1205		
Temperature	°C	23.1	22.9	22.6	22.3		
pH	Std. units	5.08	5.06	4.90	4.89		
Conductivity	µmhos/cm	66.2	91.4	115.3	121.3		
Turbidity	NTUs	—	—	—	99		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☐ No ☑

Rinsate Blank Yes ☐ No ☑

Metals verified (<2 pH) Yes ☐ No ☑

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☑

Field Blank Yes ☐ No ☑

(10% of samples verified per SAP)

2"

PINEWOOD SITE GROUNDWATER SAMPLING LOG

'ell / Sample ID OCS-002 Sample Time 1310

eld Personnel BF, AT Sample Date 8/12

'eather Conditions Sunny Air Temperature (°F) 95

otal Depth (ft.) 54.22 (from well log)

epth to Static Water Surface (ft.) 34.05 LWC 20.17

alculated Well Volume (1 casing volume) (gal.) 3.3

alculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 16.4

Measured Flow Rate (gal/min) —

'alculated Pumping Time (length of time in minutes) —

ctual Pumping Time (length of time in minutes) —

'heck-back Time —

ecovery Time (if needed) —

H Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

H Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/12 Date

'urge Start Time	1242	Purge Stop Time	1310
'urge Date	8/12	Total Gallons Purged	9.9
'urge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
olume Purged	gal.	—	3.3	6.6	C Sample		
ime	-	1242	1256	1258	1310		
emperature	°C	23.7	23.4	23.2	22.4		
H	Std. units	6.48	6.21	6.19	6.19		
onductivity	µmhos/cm	146.4	195.6	201.6	200.4		
urbidity	NTUs	—	—	—	1.99		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑ (10% of samples verified per SAP)		

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-038

Sample Time 1745

Field Personnel OF, BG-1A7

Sample Date 8/12

Weather Conditions Sun

Air Temperature (°F) 95

Total Depth (ft.) 22.60 (from well log)

Depth to Static Water Surface (ft.) 15.29

LVL = 7.71

Calculated Well Volume (1 casing volume) (gal.) 1.2

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 6

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) —

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/1000 pH —

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/1000 pH 8/12 Date

Purge Start Time 1400

Purge Stop Time 1410

Purge Date 8/11/5

Total Gallons Purged 2.4 (D.4)

Purge Method Bailer

	Well Volume Units	Initial	1	2	3	4	5
				DMQ			
Volume Purged	Gal.	—	1.2	2.4	esynk		
Time	-	1400	1403	1408	1345		
Temperature	°C	23.4	22.1		31.4		
pH	Std. units	6.05	6.14		6.82		
Conductivity	µmhos/cm	253.0	240.0		249.1		
Turbidity	NTUs	—	—	—	45.1		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☐ No ☑	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑ (10% of samples verified per SAP)		

24

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS-003B Sample Time 1355

Field Personnel pF, AT Sample Date 8/12

Weather Conditions Sunny Air Temperature (°F) 95

Total Depth (ft.) 31.98 (from well log)

Depth to Static Water Surface (ft.) 12.38 Lvl = 19.6

Calculated Well Volume (1 casing volume) (gal.) 3.2

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 16

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) 24

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/12 Date

Purge Start Time	1333	Purge Stop Time	1345
Purge Date	8/11	Total Gallons Purged	6.4 (Avg)
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	3.2	6.4		@ Sample	
Time	-	1333	1339	1346		1355	
Temperature	°C	26.8	21.9	23.3		25.6	
pH	Std. units	6.26	5.72	5.86		6.14	
Conductivity	µmhos/cm	64.6	62.5	52.6		73.4	
Turbidity	NTUs	✓	—	—		6.03	

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☐ No ☑	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☐ (10% of samples verified per SAP)		

2

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-037 Sample Time 0935

Field Personnel BP, AT, RB Sample Date 8/13

Weather Conditions Sunny Air Temperature (°F) 90

Total Depth (ft.) 22.75 (from well log) LLi = 8.86

Depth to Static Water Surface (ft.) 13.89

Calculated Well Volume (1 casing volume) (gal.) 1.4

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) —

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) — LLi =

Actual Pumping Time (length of time in minutes) —

Check-back Time

Recovery Time (if needed)

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH 8/12 Date

Purge Start Time	1230	Purge Stop Time	1232
Purge Date	8/12	Total Gallons Purged	Dry 1.4
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	Gal.	—		Cs.k			
Time	-	1230		0931			
Temperature	°C	23.6		23.5			
pH	Std. units	5.24		5.48			
Conductivity	µmhos/cm	282.8		258.0			
Turbidity	NTUs	—		27.4			

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☐	(10% of samples verified per SAP)	

Blank Groundwater Sampling Log1

4"

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-026 Sample Time 1325

Field Personnel BF Sample Date 8/12

Weather Conditions clear Air Temperature (°F) 95

Total Depth (ft.) 18.80 (from well log)

Depth to Static Water Surface (ft.) 13.58 LWL = 5.22

Calculated Well Volume (1 casing volume) (gal.) 3.4

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 17

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) 24

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/12 Date

Purge Start Time	1305	Purge Stop Time	1315
Purge Date	8/11/14	Total Gallons Purged	3.4 (2.4)
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—		eSample			
Time	-	1305		1325			
Temperature	°C	26.2		24.2			
pH	Std. units	5.97		6.26			
Conductivity	µmhos/cm	280.2		218.4			
Turbidity	NTUs	—		16.5			

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☑ No ☐

Rinsate Blank Yes ☐ No ☑

Metals verified (<2 pH) Yes ☑ No ☐ (10% of samples verified per SAP)

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☑

Field Blank Yes ☐ No ☑

4"

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-027 Sample Time 1335

Field Personnel BF Sample Date 8/12

Weather Conditions Clear Air Temperature (°F) 95

Total Depth (ft.) 15.84 (from well log)

Depth to Static Water Surface (ft.) 14.04

Calculated Well Volume (1 casing volume) (gal.) 1.2 LWC = 1.85

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 6.0

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time

Recovery Time (if needed) 24

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH 8/12 Date

Purge Start Time	1432	Purge Stop Time	1434
Purge Date	8/11/12	Total Gallons Purged	1.0 Gals
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—		estimate			
Time	-	1432		1335			
Temperature	°C	25.1		25.3			
pH	Std. units	6.24		6.32			
Conductivity	µmhos/cm	392.9		384.7			
Turbidity	NTUs	—		158			

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☑ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☐	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☑ No ☐	(10% of samples verified per SAP)	

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT- 032

Sample Time 0945

Field Personnel AF

Sample Date 8/13

Weather Conditions Sunny

Air Temperature (°F) 90

Total Depth (ft.) 26.24 (from well log)

LWC = 3.49

Depth to Static Water Surface (ft.) 22.75

Calculated Well Volume (1 casing volume) (gal.) 2.3

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 11.3

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) —

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0 low pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0 low pH 8/13 Date

Purge Start Time 0935

Purge Stop Time 0940

Purge Date 8/12

Total Gallons Purged 2.3 (dry)

Purge Method Bailer

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—		e sample			
Time	-	0935		0945			
Temperature	°C	22.4		25.6			
pH	Std. units	5.10		5.50			
Conductivity	µmhos/cm	895		276.7			
Turbidity	NTUs	—		18.6			

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☐ No ☑

Rinsate Blank Yes ☑ No ☐

Metals verified (<2 pH)

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☑

Field Blank Yes ☐ No ☑

(10% of samples verified per SAP)

44

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-~~038~~ 030

Sample Time 1000

Field Personnel BF

Sample Date 8/13

Weather Conditions clear

Air Temperature (°F) 90

Total Depth (ft.) 13.53 (from well log)

Depth to Static Water Surface (ft.) 12.48

LWC = 1.05

Calculated Well Volume (1 casing volume) (gal.) 0.7

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 3.4

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) 24

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/100 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/100 pH 8/13 Date

Purge Start Time 0905

Purge Stop Time 0910

Purge Date 8/12/15

Total Gallons Purged Dry @ 0.7

Purge Method Bailer

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	0.7	@ Sun			
Time	-	0905		1000			
Temperature	°C	21.8		24.2			
pH	Std. units	5.64		5.63			
Conductivity	µmhos/cm	722		741			
Turbidity	NTUs	—		84.4			

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☐ No ☑

Rinsate Blank Yes ☐ No ☑

Metals verified (<2 pH) Yes ☑ No ☐

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☑ No ☐

Field Blank Yes ☑ No ☐ (10% of samples verified per SAP)

10/10

24

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS- 006A

Sample Time 1200

Field Personnel BR

Sample Date 8/11/11

Weather Conditions Clear

Air Temperature (°F) 90

Total Depth (ft.) 40.83 (from well log)

LWC = 22.30

Depth to Static Water Surface (ft.) 18.53

Calculated Well Volume (1 casing volume) (gal.) ~~3.63~~

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 18.1

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time

Recovery Time (if needed) N/A

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/11/11 Date

Purge Start Time	1110	Purge Stop Time	1130
Purge Date	8/11/11	Total Gallons Purged	10.8
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	3.6	7.2	10.8		
Time	-	1110	1118	1125	1130		
Temperature	°C	26.3	22.2	21.7	20.2		
pH	Std. units	5.79	5.82	5.84	5.89		
Conductivity	µmhos/cm	89.8	117.0	128.2	127.3		
Turbidity	NTUs	—	—	—	44.7		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑	(10% of samples verified per SAP)	

2"

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID GCS-006B

Sample Time 1205

Field Personnel BR

Sample Date 8.11.15

Weather Conditions

Air Temperature (°F) 96

Total Depth (ft.) 32.03 (from well log)

Depth to Static Water Surface (ft.) 13.03

CWC: 19

Calculated Well Volume (1 casing volume) (gal.) 3.1

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 15.5

Measured Flow Rate (gal/min)

Calculated Pumping Time (length of time in minutes)

Actual Pumping Time (length of time in minutes)

Check-back Time

Recovery Time (if needed)

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH 8/11/15 Date

Purge Start Time 1120

Purge Stop Time 1144

Purge Date 8.11.15

Total Gallons Purged 9.

Purge Method bailer

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	3.1	6.2	9.3		
Time	-	1120	1128	1137	1144		
Temperature	°C	22.4	19.7	20.5	20.9		
pH	Std. units	5.48	5.17	5.49	5.45		
Conductivity	µmhos/cm	109.4	97.5	93.0	90.0		
Turbidity	NTUs	—	—	—	280		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☐ No ☑

Rinsate Blank Yes ☐ No ☑

Metals verified (<2 pH) Yes ☐ No ☑ (10% of samples verified per SAP)

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☑

Field Blank Yes ☐ No ☐

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS - 004 Sample Time 1255

Field Personnel BF Sample Date 8/11/15

Weather Conditions Sunny Air Temperature (°F) 95

Total Depth (ft.) 37.65 (from well log)

Depth to Static Water Surface (ft.) 20.14

LWC = 17.51

Calculated Well Volume (1 casing volume) (gal.) 2.9

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 14.5

Measured Flow Rate (gal/min) N/A

Calculated Pumping Time (length of time in minutes) NA

Actual Pumping Time (length of time in minutes) NA

Check-back Time NA

Recovery Time (if needed) NA

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/11/15 Date

Purge Start Time	1235	Purge Stop Time	1250
Purge Date	8/11/15	Total Gallons Purged	8.7
Purge Method	W.W		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	2.9	5.8	8.7		
Time	-	1235	1238	1243	1250		
Temperature	°C	29.6	23.2	22.4	21.6		
pH	Std. units	6.02	6.09	6.05	6.06		
Conductivity	µmhos/cm	101.8	86.5	83.3	83.9		
Turbidity	NTUs	—	—	—	22.9		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑ (10% of samples verified per SAP)		

24

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS-003A

Sample Time 1420

Field Personnel BF, AT

Sample Date 8/11/15

Weather Conditions clear

Air Temperature (°F) _____

Total Depth (ft.) 55.33 (from well log)

Depth to Static Water Surface (ft.) 20.23

LWC= 35.10

Calculated Well Volume (1 casing volume) (gal.) 5.7

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 17.2

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) _____

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/11/15 Date

Purge Start Time	1337	Purge Stop Time	1420
Purge Date	8/11/15	Total Gallons Purged	19.1
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	5.7	11.4	19.1		
Time	-	1337	1347	1403	1420		
Temperature	°C	24.8	23.3	23.4	21.3		
pH	Std. units	6.68	5.86	5.98	5.89		
Conductivity	µmhos/cm	66.6	[illegible]	77.5	77.0		
Turbidity	NTUs	—	— 66.8	—	8.93		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑	(10% of samples verified per SAP)	

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID: POND A

Sample Time: 0915

Field Personnel: BF

Sample Date: 8/12/11

Weather Conditions: Sunny

Air Temperature (°F): 90

Total Depth (ft.): — (from well log)

Depth to Static Water Surface (ft.): —

Calculated Well Volume (1 casing volume) (gal.): —

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.): —

Measured Flow Rate (gal/min): —

Calculated Pumping Time (length of time in minutes): —

Actual Pumping Time (length of time in minutes): —

Check-back Time: —

Recovery Time (if needed): —

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/12/11 Date

Purge Start Time: 0915

Purge Stop Time: —

Purge Date: 8/12

Total Gallons Purged: —

Purge Method: Grab

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	Gal.	—					
Time	-	0915					
Temperature	°C	26.9					
pH	Std. units	6.76					
Conductivity	µmhos/cm	289.4					
Turbidity	NTUs	23.4					

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☑ No ☐

VOC Yes ☑ No ☐

Metals (HNO_3) Yes ☑ No ☐

Rinsate Blank Yes ☐ No ☑

Metals verified (<2 pH) Yes ☑ No ☐

Sulfide (Zn acetate and NaOH) Yes ☐ No ☑

Cyanide (NaOH) Yes ☐ No ☑

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☑

Field Blank Yes ☐ No ☑

(10% of samples verified per SAP)

2'

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS-008 (R) Sample Time 1010

Field Personnel BF Sample Date 8/12

Weather Conditions Sunny Air Temperature (°F) 90

Total Depth (ft.) 58.10 (from well log)

Depth to Static Water Surface (ft.) 48.83 CWC = 9.27

Calculated Well Volume (1 casing volume) (gal.) ~~4~~ 1.5

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 7.6

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) _____

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/1000 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/1000 pH 8/12/11 Date

Purge Start Time	0955	Purge Stop Time	1010
Purge Date	8/12	Total Gallons Purged	4.5
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	1.5	3.0	4.5		
Time	-	0955	1006	1005	1010		
Temperature	°C	21.8	20.4	20.8	21.0		
pH	Std. units	6.27	6.41	6.57	6.64		
Conductivity	µmhos/cm	473.8	453.1	452.1	450.4		
Turbidity	NTUs	—	—	—	64.8		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☐ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☐
VOC	Yes ☐ No ☐	Cyanide (NaOH)	Yes ☐ No ☐
Metals (HNO_3)	Yes ☐ No ☐	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☐
Rinsate Blank	Yes ☐ No ☐	Field Blank	Yes ☐ No ☐
Metals verified (<2 pH)	Yes ☐ No ☐	(10% of samples verified per SAP)	

2

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS-005 Sample Time 1050

Field Personnel BG Sample Date 8/12/

Weather Conditions Clear Air Temperature (°F) 70

Total Depth (ft.) 53.01 (from well log)

Depth to Static Water Surface (ft.) 38.69 LWC = 14.32

Calculated Well Volume (1 casing volume) (gal.) 2.3

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 7.0

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed)

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0/10.0 pH 8/12/15 Date

Purge Start Time	1025	Purge Stop Time	1050
Purge Date	8/12	Total Gallons Purged	6.9
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.	—	2.3	4.6	C Sample		
Time	-	1025	1034	1039	1050		
Temperature	°C	22.5	22.4	21.6	21.6		
pH	Std. units	6.58	6.56	6.60	6.72		
Conductivity	µmhos/cm	165	156.2	153	141.7		
Turbidity	NTUs	—	—	—	23.6		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☐ No ☑	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☐ No ☑	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑ (10% of samples verified per SAP)		

24

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID WT-008 Sample Time 1130

Field Personnel BF Sample Date 8/12

Weather Conditions Sunny Air Temperature (°F) 95

Total Depth (ft.) 25.00 (from well log)

Depth to Static Water Surface (ft.) 17.24 LUC = 7.76

Calculated Well Volume (1 casing volume) (gal.) 1.2

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) 5.9

Measured Flow Rate (gal/min) —

Calculated Pumping Time (length of time in minutes) —

Actual Pumping Time (length of time in minutes) —

Check-back Time —

Recovery Time (if needed) _____

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading 7.0 / 10.0 pH 8/12 Date

Purge Start Time	1115	Purge Stop Time	1125
Purge Date	8/12/10	Total Gallons Purged	3.6
Purge Method	Bailer		

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	Gal.	—	1.2	2.4	3.6		
Time	-	1115	1119	1122	1125		
Temperature	°C	23	22.9	22.6	22.2		
pH	Std. units	5.12	5.06	5.03	5.03		
Conductivity	µmhos/cm	108.2	96.5	116	115.6		
Turbidity	NTUs	—	—	—	16.3		

Additional Notes:

PRESERVATION:

Samples Iced In Field (>45°F)	Yes ☑ No ☐	Sulfide (Zn acetate and NaOH)	Yes ☐ No ☑
VOC	Yes ☑ No ☐	Cyanide (NaOH)	Yes ☐ No ☑
Metals (HNO_3)	Yes ☑ No ☐	Dioxins / Furans (sodium thiosulfate)	Yes ☐ No ☑
Rinsate Blank	Yes ☐ No ☑	Field Blank	Yes ☐ No ☑
Metals verified (<2 pH)	Yes ☐ No ☑ (10% of samples verified per SAP)		

2"

PINEWOOD SITE GROUNDWATER SAMPLING LOG

Well / Sample ID OCS-011

Sample Time _____

Field Personnel _____

Sample Date _____

Weather Conditions _____

Air Temperature (°F) _____

Total Depth (ft.) 16.85 (from well log)

Depth to Static Water Surface (ft.) 16.69

Calculated Well Volume (1 casing volume) (gal.) _____

Calculated Maximum Volume of Water to be Purged (5 casing volumes) (gal.) _____

Measured Flow Rate (gal/min) _____

Calculated Pumping Time (length of time in minutes) _____

Actual Pumping Time (length of time in minutes) _____

Check-back Time _____

Recovery Time (if needed) _____

pH Calibration During Purging (4, 7, 10) (circle two) Actual Reading _____ pH

pH Calibration During Sampling (4, 7, 10) (circle two) Actual Reading _____ pH _____ Date

Purge Start Time

Purge Date

Purge Method

Purge Stop Time

Total Gallons Purged

	Well Volume Units	Initial	1	2	3	4	5
Volume Purged	gal.						
Time	-						
Temperature	°C						
pH	Std. units						
Conductivity	µmhos/cm						
Turbidity	NTUs						

Additional Notes:

* DRY, no Sample

PRESERVATION:

Samples Iced In Field (>45°F) Yes ☐ No ☐

VOC Yes ☐ No ☐

Metals (HNO_3) Yes ☐ No ☐

Rinsate Blank Yes ☐ No ☐

Metals verified (<2 pH) Yes ☐ No ☐

Sulfide (Zn acetate and NaOH) Yes ☐ No ☐

Cyanide (NaOH) Yes ☐ No ☐

Dioxins / Furans (sodium thiosulfate) Yes ☐ No ☐

Field Blank Yes ☐ No ☐

(10% of samples verified per SAP)

Blank Groundwater Sampling Log1

Report of Analysis

Smith Gardner, Inc.
14 North Boylan Avenue
Raleigh, NC 27603
Attention: Kevin Anderson

Project Name: Pinewood LF Water Table Program

Lot Number: QI23032
Date Completed: 09/28/2015

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Smith Gardner, Inc.
Lot Number: QI23032

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

Smith Gardner, Inc.

Lot Number: QI23032

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	WT027	Aqueous	09/23/2015 0840	09/23/2015

(1 sample)

Executive Summary

Smith Gardner, Inc.

Lot Number: QI23032

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	WT027	Aqueous	Barium	6010C	0.042		mg/L	5

(1 detection)

RCRA Metals

Client: Smith Gardner, Inc.
Laboratory ID: QI23032-001
Description: WT027
Matrix: Aqueous
Date Sampled: 09/23/2015 0840
Date Received: 09/23/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/24/2015 1733	COH	09/24/2015 1358	85694
1	3005A	6010C	1	09/25/2015 0151	RKT	09/24/2015 1734	85723
2	3005A	6010C	1	09/25/2015 1810	ECS	09/24/2015 1734	85723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	2
Barium	7440-39-3	6010C	0.042		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

RCRA Metals - MB

Sample ID: QQ85723-001
Batch: 85723
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 09/24/2015 1734

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	0.010	mg/L	09/25/2015 1745
Barium	ND		1	0.025	mg/L	09/25/2015 0000
Cadmium	ND		1	0.0020	mg/L	09/25/2015 0000
Chromium	ND		1	0.0050	mg/L	09/25/2015 0000
Lead	ND		1	0.010	mg/L	09/25/2015 0000
Selenium	ND		1	0.010	mg/L	09/25/2015 1745
Silver	ND		1	0.0050	mg/L	09/25/2015 0000

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: QQ85723-002
Batch: 85723
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 09/24/2015 1734

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.41		1	102	80-120	09/25/2015 1749
Barium	2.0	2.0		1	102	80-120	09/25/2015 0004
Cadmium	0.40	0.40		1	99	80-120	09/25/2015 0004
Chromium	2.0	2.0		1	102	80-120	09/25/2015 0004
Lead	0.40	0.41		1	102	80-120	09/25/2015 0004
Selenium	0.40	0.42		1	104	80-120	09/25/2015 1749
Silver	0.40	0.41		1	101	80-120	09/25/2015 0004

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: QQ85694-001
Batch: 85694
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/24/2015 1358

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	09/24/2015 1705

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: QQ85694-002
Batch: 85694
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/24/2015 1358

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0021		1	106	80-120	09/24/2015 1707

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

SHEALY ENVIRONMENTAL SERVICES, INC.

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 48087

Client	S + G
Address	604 off Rd
City / State / Zip Code	Cola / SC / 29205
Project Name	Pinewood
Project No.	~~[illegible]~~ Water Table
P.O. No.	
Report to Contact	K. Anderson
Sampler's Signature	X Brett Ranson
Printed Name	Brett Ranson
Telephone No. / E-mail	kevin@smithgardeninc.com
Quote No.	
Page	1 of 1
Analysis (Attach list if more space is needed)	

QI23032

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2015	Time	Sediment Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	SOS PT	Metals	Remarks / Cooler I.D.
WT 027	9/23	840	G	✓					IP				✓	water Table program

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Brett Ranson	9/23/15	1323	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Lacey Dowdney	9/23/15	1323

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 8 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Page 1 of 1
Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: S+G Cooler Inspected by/date: KWP / 9-23-15 Lot #: QL23032

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
1.8 / 1.8 °C ___ / ___ / ___ °C ___ / ___ / ___ °C ___ / ___ / ___ °C
Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID:____ IR Gun Correction Factor: 0 °C
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR#

Sample labels applied by: KWP Verified by: _____ Date: 9-23-15

Comments:

Report of Analysis

Smith Gardner, Inc.
14 North Boylan Avenue
Raleigh, NC 27603
Attention: Kevin Anderson

Project Name: Pinewood LF Water Table Program

Lot Number: QI17075
Date Completed: 09/28/2015

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Smith Gardner, Inc.
Lot Number: QI17075

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

GC/MS Volatiles

The LCS associated with batch 85830 had propionitrile recovered above the acceptance limits. This demonstrates a high bias on analytical results. There were no detections for this compound in the samples associated with this batch; therefore, data quality is not impacted.

Sample Summary
Smith Gardner, Inc.
Lot Number: QI17075

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Field Blank	Aqueous	09/17/2015 0800	09/17/2015
002	Sec 1 FD MH1	Aqueous	09/17/2015 0800	09/17/2015
003	Sec 1 FD MH 2	Aqueous	09/17/2015 0805	09/17/2015
004	Sec 1 FD MH 3	Aqueous	09/17/2015 0810	09/17/2015
005	Sec 1 FD MH 4	Aqueous	09/17/2015 0830	09/17/2015
006	Sec 1 FD MH 5	Aqueous	09/17/2015 0820	09/17/2015
007	Pond A Per Sec 1 FD	Aqueous	09/17/2015 0835	09/17/2015
008	Pond A FD Sec 1	Aqueous	09/17/2015 0840	09/17/2015
009	001	Aqueous	09/17/2015 0845	09/17/2015
010	002	Aqueous	09/17/2015 0850	09/17/2015
011	Pond B Per FD	Aqueous	09/17/2015 0900	09/17/2015
012	Trip Blank	Aqueous	09/17/2015	09/17/2015

(12 samples)

Executive Summary

Smith Gardner, Inc.

Lot Number: QI17075

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	Sec 1 FD MH 5	Aqueous	1,4-Dioxane	8260B (SIM	18		ug/L	20
006	Sec 1 FD MH 5	Aqueous	1,1-Dichloroethane	8260B	1.3		ug/L	21
007	Pond A Per Sec 1 FD	Aqueous	Cadmium	200.8	0.13		ug/L	26
008	Pond A FD Sec 1	Aqueous	Cadmium	200.8	0.41		ug/L	30
011	Pond B Per FD	Aqueous	Tetrachloroethene	8260B	0.50		ug/L	39
011	Pond B Per FD	Aqueous	Cadmium	200.8	0.31		ug/L	40

(6 detections)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-001
Description: Field Blank
Matrix: Aqueous
Date Sampled: 09/17/2015 0800
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0055	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-001
Description: Field Blank
Matrix: Aqueous
Date Sampled: 09/17/2015 0800
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1456	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
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H = Out of holding time
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-001
Description: Field Blank
Matrix: Aqueous
Date Sampled: 09/17/2015 0800
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1456	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		124	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-002
Description: Sec 1 FD MH1
Matrix: Aqueous
Date Sampled: 09/17/2015 0800
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0257	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-002
Description: Sec 1 FD MH1
Matrix: Aqueous
Date Sampled: 09/17/2015 0800
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1622	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

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Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-002
Description: Sec 1 FD MH1
Matrix: Aqueous
Date Sampled: 09/17/2015 0800
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1622	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		100	70-130

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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-003
Description: Sec 1 FD MH 2
Matrix: Aqueous
Date Sampled: 09/17/2015 0805
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0322	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
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Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-003
Description: Sec 1 FD MH 2
Matrix: Aqueous
Date Sampled: 09/17/2015 0805
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1643	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-003
Description: Sec 1 FD MH 2
Matrix: Aqueous
Date Sampled: 09/17/2015 0805
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1643	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-004
Description: Sec 1 FD MH 3
Matrix: Aqueous
Date Sampled: 09/17/2015 0810
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0346	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-004
Description: Sec 1 FD MH 3
Matrix: Aqueous
Date Sampled: 09/17/2015 0810
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1704	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-004
Description: Sec 1 FD MH 3
Matrix: Aqueous
Date Sampled: 09/17/2015 0810
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1704	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-005
Description: Sec 1 FD MH 4
Matrix: Aqueous
Date Sampled: 09/17/2015 0830
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0411	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-005
Description: Sec 1 FD MH 4
Matrix: Aqueous
Date Sampled: 09/17/2015 0830
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1726	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-005
Description: Sec 1 FD MH 4
Matrix: Aqueous
Date Sampled: 09/17/2015 0830
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1726	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-006
Description: Sec 1 FD MH 5
Matrix: Aqueous
Date Sampled: 09/17/2015 0820
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0436	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	18		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-006
Description: Sec 1 FD MH 5
Matrix: Aqueous
Date Sampled: 09/17/2015 0820
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1747	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	1.3		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-006
Description: Sec 1 FD MH 5
Matrix: Aqueous
Date Sampled: 09/17/2015 0820
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1747	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-007
Description: Pond A Per Sec 1 FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0835
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0500	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-007
Description: Pond A Per Sec 1 FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0835
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1809	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-007
Description: Pond A Per Sec 1 FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0835
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1809	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-007
Description: Pond A Per Sec 1 FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0835
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	09/19/2015 0134	CDF	09/18/2015 0900	85243

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		5.0	ug/L	1
Cadmium	7440-43-9	200.8	0.13		0.10	ug/L	1
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		5.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-008
Description: Pond A FD Sec 1
Matrix: Aqueous
Date Sampled: 09/17/2015 0840
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0525	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-008
Description: Pond A FD Sec 1
Matrix: Aqueous
Date Sampled: 09/17/2015 0840
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1830	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-008
Description: Pond A FD Sec 1
Matrix: Aqueous
Date Sampled: 09/17/2015 0840
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1830	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-008
Description: Pond A FD Sec 1
Matrix: Aqueous
Date Sampled: 09/17/2015 0840
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	09/19/2015 0149	CDF	09/18/2015 0900	85243

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		5.0	ug/L	1
Cadmium	7440-43-9	200.8	0.41		0.10	ug/L	1
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		5.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-009
Description: 001
Matrix: Aqueous
Date Sampled: 09/17/2015 0845
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0550	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-009
Description: 001
Matrix: Aqueous
Date Sampled: 09/17/2015 0845
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1852	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-009
Description: 001
Matrix: Aqueous
Date Sampled: 09/17/2015 0845
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1852	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-010
Description: 002
Matrix: Aqueous
Date Sampled: 09/17/2015 0850
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0614	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-010
Description: 002
Matrix: Aqueous
Date Sampled: 09/17/2015 0850
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1913	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-010
Description: 002
Matrix: Aqueous
Date Sampled: 09/17/2015 0850
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1913	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-011
Description: Pond B Per FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0900
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0639	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-011
Description: Pond B Per FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0900
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1934	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-011
Description: Pond B Per FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0900
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1934	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	0.50		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-011
Description: Pond B Per FD
Matrix: Aqueous
Date Sampled: 09/17/2015 0900
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	200.2	200.8	1	09/19/2015 0155	CDF	09/18/2015 0900	85243

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	200.8	ND		5.0	ug/L	1
Cadmium	7440-43-9	200.8	0.31		0.10	ug/L	1
Lead	7439-92-1	200.8	ND		2.0	ug/L	1
Silver	7440-22-4	200.8	ND		5.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-012
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 09/17/2015
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/19/2015 0120	JJG		85343

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-012
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 09/17/2015
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1517	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Acetonitrile	75-05-8	8260B	ND		20	ug/L	1
Acrolein	107-02-8	8260B	ND		5.0	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		5.0	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		0.50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isobutyl alcohol	78-83-1	8260B	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260B	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260B	ND		20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Smith Gardner, Inc.
Laboratory ID: QI17075-012
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 09/17/2015
Date Received: 09/17/2015

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/25/2015 1517	SES		85830

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		0.50	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: QQ85343-001
Batch: 85343
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	09/18/2015 2353

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		113	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: QQ85343-002
Batch: 85343
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	59		1	117	70-130	09/18/2015 2328

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - Duplicate

Sample ID: QI17075-009DU
Batch: 85343
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,4-Dioxane	ND	ND		1	0.00	20	09/19/2015 0703

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		114	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MS

Sample ID: QI17075-010MS
Batch: 85343
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	ND	50	59		1	117	43-173	09/19/2015 0728

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		109	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ85830-001
Batch: 85830
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	09/25/2015 1421
Acetonitrile	ND		1	20	ug/L	09/25/2015 1421
Acrolein	ND		1	5.0	ug/L	09/25/2015 1421
Acrylonitrile	ND		1	5.0	ug/L	09/25/2015 1421
Benzene	ND		1	0.50	ug/L	09/25/2015 1421
Bromoform	ND		1	0.50	ug/L	09/25/2015 1421
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	09/25/2015 1421
2-Butanone (MEK)	ND		1	10	ug/L	09/25/2015 1421
Carbon disulfide	ND		1	0.50	ug/L	09/25/2015 1421
Carbon tetrachloride	ND		1	0.50	ug/L	09/25/2015 1421
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	09/25/2015 1421
Chlorobenzene	ND		1	0.50	ug/L	09/25/2015 1421
Chloroethane	ND		1	0.50	ug/L	09/25/2015 1421
Chloroform	ND		1	0.50	ug/L	09/25/2015 1421
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	09/25/2015 1421
3-Chloropropene (Allyl chloride)	ND		1	2.0	ug/L	09/25/2015 1421
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	09/25/2015 1421
Dibromochloromethane	ND		1	0.50	ug/L	09/25/2015 1421
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	09/25/2015 1421
Dibromomethane (Methylene bromide)	ND		1	0.50	ug/L	09/25/2015 1421
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	09/25/2015 1421
1,4-Dichlorobenzene	ND		1	0.50	ug/L	09/25/2015 1421
1,2-Dichlorobenzene	ND		1	0.50	ug/L	09/25/2015 1421
1,3-Dichlorobenzene	ND		1	0.50	ug/L	09/25/2015 1421
Dichlorodifluoromethane	ND		1	0.50	ug/L	09/25/2015 1421
1,2-Dichloroethane	ND		1	0.50	ug/L	09/25/2015 1421
1,1-Dichloroethane	ND		1	0.50	ug/L	09/25/2015 1421
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	09/25/2015 1421
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	09/25/2015 1421
1,1-Dichloroethene	ND		1	0.50	ug/L	09/25/2015 1421
1,2-Dichloropropane	ND		1	0.50	ug/L	09/25/2015 1421
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	09/25/2015 1421
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	09/25/2015 1421
Ethylbenzene	ND		1	0.50	ug/L	09/25/2015 1421
2-Hexanone	ND		1	10	ug/L	09/25/2015 1421
Isobutyl alcohol	ND		1	50	ug/L	09/25/2015 1421
Methacrylonitrile	ND		1	5.0	ug/L	09/25/2015 1421
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	09/25/2015 1421
4-Methyl-2-pentanone	ND		1	10	ug/L	09/25/2015 1421
Methylene chloride	ND		1	0.50	ug/L	09/25/2015 1421
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	09/25/2015 1421
Styrene	ND		1	0.50	ug/L	09/25/2015 1421
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	09/25/2015 1421
1,1,1,2-Tetrachloroethane	ND		1	0.50	ug/L	09/25/2015 1421

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ85830-001
Batch: 85830
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Tetrachloroethene	ND		1	0.50	ug/L	09/25/2015 1421
Toluene	ND		1	0.50	ug/L	09/25/2015 1421
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	09/25/2015 1421
1,1,1-Trichloroethane	ND		1	0.50	ug/L	09/25/2015 1421
1,1,2-Trichloroethane	ND		1	0.50	ug/L	09/25/2015 1421
Trichloroethene	ND		1	0.50	ug/L	09/25/2015 1421
Trichlorofluoromethane	ND		1	0.50	ug/L	09/25/2015 1421
1,2,3-Trichloropropane	ND		1	0.50	ug/L	09/25/2015 1421
Vinyl acetate	ND		1	5.0	ug/L	09/25/2015 1421
Vinyl chloride	ND		1	0.50	ug/L	09/25/2015 1421
Xylenes (total)	ND		1	0.50	ug/L	09/25/2015 1421

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ85830-002
Batch: 85830
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	140	60-140	09/25/2015 1214
Acetonitrile	500	480		1	95	60-140	09/25/2015 1214
Acrolein	500	580		1	116	14-175	09/25/2015 1214
Acrylonitrile	100	130		1	129	60-140	09/25/2015 1214
Benzene	50	57		1	114	70-130	09/25/2015 1214
Bromoform	50	51		1	102	70-130	09/25/2015 1214
Bromomethane (Methyl bromide)	50	56		1	113	60-140	09/25/2015 1214
2-Butanone (MEK)	100	130		1	126	60-140	09/25/2015 1214
Carbon disulfide	50	60		1	119	60-140	09/25/2015 1214
Carbon tetrachloride	50	59		1	118	70-130	09/25/2015 1214
2-Chloro-1,3-Butadiene (Chloroprene)	50	60		1	121	70-130	09/25/2015 1214
Chlorobenzene	50	55		1	110	70-130	09/25/2015 1214
Chloroethane	50	56		1	112	60-140	09/25/2015 1214
Chloroform	50	54		1	108	70-130	09/25/2015 1214
Chloromethane (Methyl chloride)	50	57		1	115	20-158	09/25/2015 1214
3-Chloropropene (Allyl chloride)	50	51		1	103	70-130	09/25/2015 1214
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	103	70-130	09/25/2015 1214
Dibromochloromethane	50	53		1	107	70-130	09/25/2015 1214
1,2-Dibromoethane (EDB)	50	54		1	109	70-130	09/25/2015 1214
Dibromomethane (Methylene bromide)	50	58		1	115	70-130	09/25/2015 1214
trans-1,4-Dichloro-2-butene	50	57		1	114	34-142	09/25/2015 1214
1,4-Dichlorobenzene	50	56		1	112	70-130	09/25/2015 1214
1,2-Dichlorobenzene	50	58		1	117	70-130	09/25/2015 1214
1,3-Dichlorobenzene	50	58		1	117	70-130	09/25/2015 1214
Dichlorodifluoromethane	50	61		1	121	60-140	09/25/2015 1214
1,2-Dichloroethane	50	60		1	120	70-130	09/25/2015 1214
1,1-Dichloroethane	50	60		1	120	70-130	09/25/2015 1214
cis-1,2-Dichloroethene	50	57		1	114	70-130	09/25/2015 1214
trans-1,2-Dichloroethene	50	60		1	119	70-130	09/25/2015 1214
1,1-Dichloroethene	50	60		1	120	70-130	09/25/2015 1214
1,2-Dichloropropane	50	57		1	115	70-130	09/25/2015 1214
trans-1,3-Dichloropropene	50	52		1	104	70-130	09/25/2015 1214
cis-1,3-Dichloropropene	50	57		1	114	70-130	09/25/2015 1214
Ethylbenzene	50	55		1	110	70-130	09/25/2015 1214
2-Hexanone	100	120		1	119	60-140	09/25/2015 1214
Isobutyl alcohol	500	640		1	129	70-130	09/25/2015 1214
Methacrylonitrile	50	61		1	122	70-130	09/25/2015 1214
Methyl iodide (Iodomethane)	50	60		1	120	70-130	09/25/2015 1214
4-Methyl-2-pentanone	100	120		1	121	60-140	09/25/2015 1214
Methylene chloride	50	58		1	117	70-130	09/25/2015 1214
Propionitrile (Ethyl cyanide)	500	680	N	1	135	70-130	09/25/2015 1214
Styrene	50	53		1	106	70-130	09/25/2015 1214
1,1,2,2-Tetrachloroethane	50	57		1	114	70-130	09/25/2015 1214
1,1,1,2-Tetrachloroethane	50	55		1	111	70-130	09/25/2015 1214

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ85830-002
Batch: 85830
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	53		1	107	70-130	09/25/2015 1214
Toluene	50	58		1	116	70-130	09/25/2015 1214
1,2,4-Trichlorobenzene	50	55		1	109	70-130	09/25/2015 1214
1,1,1-Trichloroethane	50	59		1	119	70-130	09/25/2015 1214
1,1,2-Trichloroethane	50	50		1	101	70-130	09/25/2015 1214
Trichloroethene	50	58		1	116	70-130	09/25/2015 1214
Trichlorofluoromethane	50	52		1	103	60-140	09/25/2015 1214
1,2,3-Trichloropropane	50	52		1	105	70-130	09/25/2015 1214
Vinyl acetate	50	46		1	92	60-140	09/25/2015 1214
Vinyl chloride	50	57		1	115	60-140	09/25/2015 1214
Xylenes (total)	100	110		1	109	70-130	09/25/2015 1214

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-MS - MB

Sample ID: QQ85243-001
Batch: 85243
Analytical Method: 200.8

Matrix: Aqueous
Prep Method: 200.2
Prep Date: 09/18/2015 900

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	5.0	ug/L	09/18/2015 2348
Cadmium	ND		1	0.10	ug/L	09/18/2015 2348
Lead	ND		1	2.0	ug/L	09/18/2015 2348
Silver	ND		1	5.0	ug/L	09/18/2015 2348

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-MS - LCS

Sample ID: QQ85243-002
Batch: 85243
Analytical Method: 200.8

Matrix: Aqueous
Prep Method: 200.2
Prep Date: 09/18/2015 900

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	100	99		1	99	85-115	09/18/2015 2353
Cadmium	100	100		1	100	85-115	09/18/2015 2353
Lead	100	100		1	102	85-115	09/18/2015 2353
Silver	100	110		1	108	85-115	09/18/2015 2353

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

SHEALY ENVIRONMENTAL SERVICES, INC.

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 52383

Client: S+G	Report to Contact: Kevin Anderson	Telephone No. / E-mail:	Quote No.
Address: 614 OH Rd	Sampler's Signature: x Charles Riley	Analysis (Attach list if more space is needed):	Page 1 of 1
City: Columbia; State: SC; Zip Code: 29203	Printed Name: Charles Riley		Q117075
Project Name: PSCT			
Project No.: Monthly WTP	P.O. No.:		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Waste Aqueous	Organic	HNO3	HNO3	HCl	NaOH	NaOH/ZnAc	Other	VOC 1,40mltsim	VOC - App IX	Metals							Remarks / Cooler I.D.
Field Blank voc 1,40mltsim	9-17-15	800	G	✓						3				X									
Field Blank -Voc-APP IX	9-17-15	800	G	✓						3					X								
Sec1 FD mH1 voc1,40mltsim	9-17-15	800	G	✓						3				X									
Sec1 FD mH1 Voc - App IX	9-17-15	800	G	✓						3					X								
Sec1 FD mH2 voc1,40mltsim	9-17-15	805	G	✓						3				X									
Sec1 FD mH2 voc - App IX	9-17-15	805	G	✓						3					X								
Sec1 FD mH3 voc1,40mltsim	9-17-15	810	G	✓						3				X									
Sec1 FD mH3 voc - App IX	9-17-15	810	G	✓						3					X								
Sec1 FD mH4 voc1,40mltsim	9-17-15	830	G	✓						3				X									
Sec1 FD mH4 voc - App IX	9-17-15	830	G	✓						3					X								

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	9/17/15	1435	1. Received by: [signature]	9/17/15	1435
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: [signature]	9/17/15	1586	4. Laboratory received by: [signature]	9/17/15	1556

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack Receipt Temp. 2.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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Number 52384

Client	S & G
Address	614 oH Rd
City	Columbia
State	SC
Zip Code	29205
Project Name	PSCT
Project No.	Monky WTP
P.O. No.	
Report to Contact	Kevin Anderson
Sampler's Signature	x Charles Riley
Printed Name	Charles Riley
Telephone No. / E-mail	
Quote No.	
Page	2 of 2
QI17075	

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Air	No of Containers by Preservative Type: Unpres	H2SO4	HNO3	HCl	NaOH	NaS2O3		Analysis (Attach list if more space is needed): VOC, 40 mlt Sm	VOC - App IX	Metals							Remarks / Cooler I.D.
Sec1FDmH 5 VOC, 40mltSm	9-17-15	8:20	G	✓						3				X									
Sec FD mH 5 VOC-App IX	9-17-15	820	G	✓						3					X								
Pond A per sec1 FD	9-17-15	8:35	G	✓					1	3				X		X							
Pond A per sec1 FD	9-17-15	835	G	✓						3					X								
Pond A FD Sec1	9-17-15	840	G	✓					1	3				X		X							
Pond A FD Sec1	9-17-15	840	G	✓						3					X								
001	9-17-15	845	G	✓						3				X									
001	9-17-15	845	G	✓						3					X								
002	9-17-15	8:50	G	✓						3				X									
002	9-17-15	850	G	✓						3					X								

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Charles Riley	9/17/15	1935	1. Received by	9/17/15	1935
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	9/17/15	1936	4. Laboratory received by	9/17/15	1936

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 05-01-2014

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SHEALY **Chain of Custody Record**

Number 35424

Client: S+G	Report to Contact: Kevin Anderson	Sampler (Printed Name): Charles Riley	Quote No.
Address: 614 oH Rd	Telephone No. / Fax No. / Email	Waybill No.	Page 3 of 3
City: Columbia; State: SC; Zip Code: 29205	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 5. Na Thio. 7. NaOH		Number of Containers
Project Name: PSCT			Bottle (See Instructions on back)
			Preservative
Project Number: Monthly WTP; P.O Number			QI17075

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC, 8D-methane	VOC-App IX	10 metals
Pond B per FD	9-17-15	9:00	V	1					X		X
Pond B per FD	9-17-15	9:00	X	1						X	

Turn Around Time Required (Prior lab approval required for expedited TAT)	Sample Disposal	QC Requirements (Specify)	Possible Hazard Identification
☐ Standard ☐ Rush (Please Specify)	☐ Return to Client ☐ Disposal by Lab		☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	9/17/15	1435	1. Received by	9/17/15	1435
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by	9/17/15	1556	4. Laboratory Received by	9/17/15	1556

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack Receipt Temp. 2-5°C Temp. Blank ☑ Y / ☐ N

Shealy Environmental Services, Inc.
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Revision Number: 17

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Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: S+G Cooler Inspected by/date: MSM/091715 Lot #: Q117075

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
12.5/12.5 °C / / °C / / °C / / °C
Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0.0 °C
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☑	No ☑		17. Were there any excess samples not listed on COC?
Yes ☑	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☐	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☐	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☑	No ☑	NA ☐	24. Was the quote number used taken from the container label?

MSM 9/18/15
MSM 9/18/15
MSM 9/18/15

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) 003(1) 4008(2) were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR#

Sample labels applied by: MSM Verified by: _____ Date: 9/17/15

Comments:
trip blank was not listed on COC