National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
White Sands Test Facility
P.O. Box 20
Las Cruces, NM 88004-0020

April 14, 2016

Reply to Attn of: RE-16-060

Mr. John E. Kieling, Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Subject: 600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 3

Enclosed is the 600 Area Perched Groundwater Extraction Pilot Test Interim Status Report for Project Year 3 as required by NMED's July 15, 2015 Approval with Modifications 600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 2. The requirements of NMED's Approval with Modifications are included in the report. This submittal includes an Executive Summary as Enclosure 1, a paper copy of the main body of the report (pages i – 35) as Enclosure 2, and a CD-ROM with the report in PDF as well as an Excel spreadsheet of the data as Enclosure 3.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
If you have any questions or comments concerning this submittal, please contact me at 575–524–5024.

Timothy J. Davis
Chief, Environmental Office

3 Enclosures

cc:
Mr. Gabriel Acevedo
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Executive Summary

The Interim Status Report for 600 Area Perched Groundwater Extraction Pilot Test Project – Year 3 summarizes the results of perched groundwater extraction at the White Sands Test Facility (WSTF) 600 Area Closure (Closure). Perched groundwater has been extracted for three years in accordance with the *600 Area Perched Groundwater Extraction Pilot Test Work Plan*, submitted by NASA on November 13, 2012 and approved by the New Mexico Environment Department on January 16, 2013. The objective of the pilot test is to extract perched groundwater using groundwater monitoring well 600-G-138 and determine the impact of groundwater extraction on the concentrations of hazardous constituents in the soil vapor beneath the Closure. Periodic groundwater and soil vapor sampling was performed prior to, and during, the pilot test period to monitor the impact of perched groundwater extraction.

Between April 2013, when extraction was initiated, and March 2016, NASA extracted 6,624 gallons of contaminated groundwater from monitoring well 600-G-138. Extracted groundwater was transported to, and treated by, the Mid-plume Interception and Treatment System. Field data and chemical analytical results obtained from perched groundwater sampling indicate that contaminated perched groundwater is still present atop the bedrock beneath the Closure, thus the source of soil vapor contaminants remain. Chemical analytical data from groundwater sampling performed at monitoring well 600-G-138 suggest that concentrations of trichloroethene (TCE) in the groundwater may be declining, though the cause of the decline cannot be determined. Chemical analytical data from soil vapor monitoring at adjacent multiport soil vapor monitoring well 600-SGW-5 indicates that concentrations of volatile organic compounds in the soil vapor were not significantly reduced during the pilot test.

The removal of contaminated groundwater from WSTF source areas is a component of NASA's long-term groundwater remediation strategy. Based on this, and the results of the pilot test, NASA recommends continued extraction of perched groundwater from monitoring well 600-G-138. Periodic groundwater and soil vapor monitoring will be continued as specified in the approved Groundwater Monitoring Plan (NMED, 2015a) and 600 Area Perched Groundwater Extraction Pilot Test Work Plan (NMED, 2013a). NASA proposes to continue perched groundwater extraction and related monitoring for another year following submittal of this report. If perched groundwater is still present at that time, another status report will be submitted; otherwise, a final report will be submitted.

UNITED STATES POSTAL SERVICE

ALBUQUERQUE
NM 870
15 APR '16
PM 3 L

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

National Aeronautics and
Space Administration

Mail Code: RE-1L-060
Lyndon B. Johnson Space Center
White Sands Test Facility
Post Office Box 20
Las Cruces, NM 88004-0020

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Gabriel Acevedo
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg 1
Santa Fe, NM 87505

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Martha Suarez ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 4/8

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7011 2970 0004 4020 1790

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

National Aeronautics and
Space Administration

Interim Status Report for 600 Area Perched Groundwater Extraction Pilot Test Project Year 3

April 2016

NM8800019434
NASA Johnson Space Center White Sands Test Facility
12600 NASA Road Las Cruces, New Mexico 88012

NASA Johnson Space Center White Sands Test Facility

Interim Status Report for 600 Area Perched Groundwater Extraction Pilot Test Project Year 3

April 2016

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Timothy J. Davis
Chief, NASA Environmental Office

4/13/16
Date

Executive Summary

The Interim Status Report for 600 Area Perched Groundwater Extraction Pilot Test Project – Year 3 summarizes the results of perched groundwater extraction at the White Sands Test Facility (WSTF) 600 Area Closure (Closure). Perched groundwater has been extracted for three years in accordance with the *600 Area Perched Groundwater Extraction Pilot Test Work Plan*, submitted by NASA on November 13, 2012 and approved by the New Mexico Environment Department on January 16, 2013. The objective of the pilot test is to extract perched groundwater using groundwater monitoring well 600-G-138 and determine the impact of groundwater extraction on the concentrations of hazardous constituents in the soil vapor beneath the Closure. Periodic groundwater and soil vapor sampling was performed prior to, and during, the pilot test period to monitor the impact of perched groundwater extraction.

Between April 2013, when extraction was initiated, and March 2016, NASA extracted 6,624 gallons of contaminated groundwater from monitoring well 600-G-138. Extracted groundwater was transported to, and treated by, the Mid-plume Interception and Treatment System. Field data and chemical analytical results obtained from perched groundwater sampling indicate that contaminated perched groundwater is still present atop the bedrock beneath the Closure, thus the source of soil vapor contaminants remain. Chemical analytical data from groundwater sampling performed at monitoring well 600-G-138 suggest that concentrations of trichloroethene (TCE) in the groundwater may be declining, though the cause of the decline cannot be determined. Chemical analytical data from soil vapor monitoring at adjacent multiport soil vapor monitoring well 600-SGW-5 indicates that concentrations of volatile organic compounds in the soil vapor were not significantly reduced during the pilot test.

The removal of contaminated groundwater from WSTF source areas is a component of NASA's long-term groundwater remediation strategy. Based on this, and the results of the pilot test, NASA recommends continued extraction of perched groundwater from monitoring well 600-G-138. Periodic groundwater and soil vapor monitoring will be continued as specified in the approved Groundwater Monitoring Plan (NMED, 2015a) and 600 Area Perched Groundwater Extraction Pilot Test Work Plan (NMED, 2013a). NASA proposes to continue perched groundwater extraction and related monitoring for another year following submittal of this report. If perched groundwater is still present at that time, another status report will be submitted; otherwise, a final report will be submitted.

Table of Contents

Executive Summary iii
Table of Contents iv
List of Acronyms vi
1.0 Introduction 1
1.1 Objective and Scope 2
1.2 Regulatory Requirements 2
2.0 Scope of Activities 3
2.1 Perched Groundwater Extraction 3
2.2 Groundwater Monitoring 3
2.3 Soil Vapor Monitoring 3
3.0 Pilot Testing Results 4
3.1 Field Results 4
3.1.1 Routine Perched Groundwater Extraction 4
3.1.2 Periodic Groundwater Monitoring 4
3.1.3 Periodic Soil Vapor Monitoring 4
3.2 Chemical Analytical Results 5
3.2.1 Groundwater Monitoring Chemical Analytical Data 5
3.2.2 Soil Vapor Monitoring Chemical Analytical Data 5
3.2.3 Surface Water Chemical Analytical Data 5
4.0 Conclusions and Recommendations 5
5.0 References 6
Figure 1.1 WSTF Location Map 10
Figure 1.2 Map of 600 Area Closure 11
Figure 4.1 Potentiometric Surface Map of 600 Area 12
Table 2.1 Volume of Perched Groundwater Extracted from 600-G-138 in Project Year 1 14
Table 2.2 Volume of Perched Groundwater Extracted from 600-G-138 in Project Year 2 15
Table 2.3 Volume of Perched Groundwater Extracted from 600-G-138 in Project Year 3 16
Table 3.1 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 1 17
Table 3.2 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 2 19
Table 3.3 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 3 20
Table 3.4 Summary of Groundwater Chemical Analytical Results at 600-G-138 in Project Year 1 21
Table 3.5 Summary of Groundwater Chemical Analytical Results at 600-G-138 in Project Year 2 22
Table 3.6 Summary of Groundwater Chemical Analytical Results at 600-G-138 in Project Year 3 23
Table 3.7 Summary of Soil Vapor Chemical Analytical Results at 600-SGW-5 in Project Year 1 24
Table 3.8 Summary of Soil Vapor Chemical Analytical Results at 600-SGW-5 in Project Year 2 25

Table 3.9 Summary of Soil Vapor Chemical Analytical Results at 600-SGW-5 in Project Year 3 26
Appendix A Chemical Analytical Results for Groundwater Sampling at Monitoring Well 600-G-138 .. A-1
Appendix B Chemical Analytical Results for Soil Vapor Sampling at MSVM Well 600-SGW-5 ..... B-1
Appendix C Chemical Analytical Results for Surface Water Sampling at 100 Area Lagoon (North) and 600 Area Lagoon (East) C-1

List of Acronyms

btoc	Below top of casing
COC	Contaminant of Concern
DP	Discharge Plan
EPA	Environmental Protection Agency
ft	Feet
GMP	Groundwater Monitoring Plan
HWMU	Hazardous Waste Management Unit
JSC	Johnson Space Center
MPITS	Mid-plume Interception and Treatment System
MSVM	Multiport soil vapor monitoring well
NASA	National Aeronautics and Space Administration
NDMA	N-Nitrosodimethylamine
NMED	New Mexico Environment Department
PCE	Tetrachloroethene
PGEPTWP	Perched Groundwater Extraction Pilot Test Work Plan
SVE	Soil Vapor Extraction
TCE	Trichloroethene
VOC	Volatile organic compound(s)
WSTF	White Sands Test Facility

1.0 Introduction

The National Aeronautics and Space Administration (NASA) Johnson Space Center (JSC) White Sands Test Facility (WSTF) is located in Dona Ana County, 18 miles northeast of Las Cruces, New Mexico and 65 miles north of El Paso, Texas. Figure 1.1 provides a WSTF location map.

WSTF's primary activities in support of the space program are:

- Development, qualification, refurbishment, and testing of spacecraft propulsion systems, subsystems, and ground support equipment.
- Investigation of flight hardware anomalies.
- Testing of materials and components.
- Performance of hazard and failure analyses.

Hazardous wastes are generated during the course of the testing and evaluation processes at WSTF. Following the completion of construction of WSTF in 1964, many wastes were historically managed in surface impoundments within the WSTF industrial area, which contributed to groundwater contamination. There are five closed Hazardous Waste Management Units (HWMUs) at WSTF, including the 600 Area impoundments. The 600 Area HWMU was closed by NASA in August 1989 and was managed under the WSTF Post-closure Care Permit between the time of closure and November 2009, when management of the HWMUs was incorporated into NASA's Hazardous Waste Permit (Permit; New Mexico Environment Department [NMED], 2009). Figure 1.2 provides an aerial photograph of the 600 Area Closure (Closure) with pertinent features identified.

NASA performed a vadose zone investigation in the vicinity of the Closure in late 2009 and early 2010. During the investigation, perched groundwater was unexpectedly encountered at the top of the poorly fractured andesite bedrock surface near the north and east corners of the Closure (Figure 1.2) in two of the eight soil borings installed. Grab samples of the perched water indicated trichloroethene (TCE) concentrations in excess of groundwater cleanup levels. Nitrate/nitrite and chloride were also detected in the grab samples, indicating that the nearby 600 Area wastewater lagoons could potentially be contributing to the perched groundwater at this location. Specific information was provided in the revised *600 Area Closure Investigation Report*, submitted to NMED on March 30, 2011 (NASA, 2011). NMED approved the report on June 9, 2011 (NMED, 2011a).

In accordance with NMED's approval of the *600 Area Closure Investigation Report*, NASA performed a soil vapor extraction (SVE) pilot test at the Closure in March 2012. In the final NMED-approved report on the SVE pilot test (NASA, 2012a), NASA proposed the development of an abbreviated work plan for extraction of contaminated perched groundwater beneath the Closure. NASA submitted the *600 Area Perched Groundwater Extraction Pilot Test Work Plan (PGEPTWP)* on November 13, 2012 (NASA, 2012b). NMED approved the work plan on January 16, 2013 (NMED, 2013a) and directed NASA to begin extraction by February 22, 2013. NASA was unable to obtain approval from the New Mexico Office of the State Engineer to utilize groundwater monitoring well 600-G-138 as a pollution recovery well in time to meet the NMED deadline. This required NASA to request an extension of time for implementation of the pilot test (NASA, 2013a), in which NASA proposed to initiate extraction of perched groundwater by April 19, 2013. NMED approved this extension request on March 1, 2013 (NMED, 2013b).

NASA initiated extraction of perched groundwater in accordance with the approved work plan on April 19, 2013 and provided the results of groundwater extraction and associated groundwater and soil vapor monitoring in the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report* (NASA,

2014a). In that report, NASA concluded that the presence of contaminated groundwater beneath the Closure continued to contribute to volatile organic compounds (VOCs) in the soil vapor above the perched groundwater, and potentially throughout the 600 Area. NASA recommended continued extraction of perched groundwater and additional groundwater and soil vapor monitoring. NMED approved the report on August 14, 2014 (NMED, 2014) and directed NASA to continue groundwater extraction and submit another project report within 30 days of the end of the second year of the project. NASA continued the extraction of perched groundwater from monitoring well 600-G-138 between April 2014 and March 2015 and presented the results of the second year of the project in the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 2* on April 16, 2015 (NASA, 2015a). NASA again concluded that the extraction of perched groundwater had not reduced the volume of perched groundwater beneath the closure and that the presence of contaminated perched groundwater continued to contribute to the presence of VOCs in the soil vapor above perched groundwater. NMED approved NASA's report on July 15, 2015 with modifications (NMED, 2015b). NMED directed NASA to provide nitrate/nitrite analytical data in subsequent status reports and to develop and submit a potentiometric map of the area. The required information is provided in this report.

NMED also determined that additional investigation into the source of contamination was warranted and required NASA to develop and submit a work plan to evaluate for a potential source of contamination by December 31, 2015 (NMED, 2015b). NASA submitted the *Additional Work Plan Requirements to Evaluate Potential Source of 600 Area Contamination* on November 25, 2015 (NASA, 2015b). This submittal provided a detailed summary of past investigation activities at the 600 Area and plans for vapor intrusion assessment in the 200 and 600 Areas. NMED responded to NASA's information with clarification as to future investigation requirements and directed NASA to perform additional investigative work to evaluate perched groundwater and soil vapor and to determine if additional remediation is necessary at the 600 Area (NMED, 2016). The required work plan is due to NMED by June 30, 2016.

1.1 Objective and Scope

The objective of the perched groundwater extraction pilot test is to extract contaminated perched groundwater using existing monitoring well 600-G-138 and to evaluate the impact of groundwater extraction on concentrations of VOCs in the vadose zone near that groundwater monitoring well. To achieve this objective, NASA installed a non-dedicated purge pump in existing groundwater monitoring well 600-G-138 and collected and managed groundwater and soil vapor samples from 600-G-138 and adjacent multiport soil vapor monitoring (MSVM) well 600-SGW-5 (Figure 1.2), respectively. The scope of the pilot test is limited to extracting groundwater from existing monitoring well 600-G-138, treating the extracted groundwater at the Mid-plume Interception and Treatment System (MPITS), and collecting groundwater samples from 600-G-138 and soil vapor samples from 600-SGW-5.

1.2 Regulatory Requirements

The PGEPTWP was developed as required in NMED's approval of the *600 Area Soil Vapor Extraction Pilot Test Investigation Report* (NMED, 2011c). In that approval, NMED directed NASA to develop and submit an interim status report if perched groundwater was present after one year of groundwater extraction. NMED directed NASA to submit an additional interim status report if perched groundwater remained after the second year of groundwater extraction (NMED, 2014). NMED approved NASA's recommendation to continue perched groundwater extraction and to submit an interim status report if perched groundwater was present after the third year of extraction (NMED, 2015b). As of March 18, 2016, after an additional year of groundwater extraction (three years total), perched groundwater is still present in monitoring well 600-G-138.

The specific groundwater contaminants of concern (COC) for this investigation were identified in the PGEPTWP and consist of TCE, tetrachloroethene (PCE), chloroform, N-Nitrosodimethylamine (NDMA), nitrate/nitrite, and chloride. TCE, PCE, chloroform, and NDMA were identified as COCs for this investigation because treatment standards for these constituents are stipulated in Discharge Plan (DP)-1255 (NMED, 2011b), which provides the requirements for discharging groundwater treated by the MPITS, including groundwater extracted from 600-G-138. Nitrate/nitrite and chloride were identified as COCs because of their presence in grab samples collected from 600-G-138 during the initial 600 Area Investigation. The primary COC for soil vapor was identified as TCE because concentrations of TCE in groundwater beneath the Closure exceed cleanup levels (NASA, 2012b).

2.0 Scope of Activities

2.1 Perched Groundwater Extraction

On April 19, 2013, a non-dedicated purge pump was installed in groundwater monitoring well 600-G-138 for use in perched groundwater extraction. Based on the anticipated rate of perched groundwater recovery, the pump was activated twice per WSTF working day whenever possible between April 2013 and March 2014. Details were provided in the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report* (NASA, 2014a). Daily groundwater extraction continued whenever practicable between April 2014 and March 2016, during which NASA extracted an average of 198 gallons of contaminated groundwater per month from 600-G-138. Table 2.1 provides the perched groundwater volume extracted each month between April 2013 and March 2014 (Project Year 1). Table 2.2 provides the perched groundwater volume extracted each month between April 2014 and March 2015 (Project Year 2). Table 2.3 provides the perched groundwater volume extracted each month between April 2015 and March 2016 (Project Year 3). Extracted groundwater was managed in accordance with 40 CFR 262.34 (2013) prior to shipment to the MPITS, where it was treated and discharged in accordance with DP-1255.

2.2 Groundwater Monitoring

During the pilot test, groundwater samples were collected quarterly from perched groundwater monitoring well 600-G-138 (Figure 1.2) in accordance with the requirements of the WSTF Groundwater Monitoring Plan (GMP) in effect at the time (NASA, 2012c, 2013b, 2014b, 2015c) and current site-specific sampling procedures. Prior to sample collection, the standing water in the well casing was evacuated and the non-dedicated purge pump was removed. The water level was allowed to recover before groundwater samples were collected with a decontaminated Teflon®[1] bailer. Indicator parameters were measured and recorded. Groundwater was then dispensed into laboratory-provided sample containers, which were appropriately labeled and placed in cold storage. Samples were shipped to NASA's contracted off-site analytical laboratories for analysis. Samples were analyzed for VOCs, NDMA, chloride, and nitrate/nitrite.

2.3 Soil Vapor Monitoring

In conjunction with perched groundwater sampling at monitoring well 600-G-138, soil vapor samples were collected from adjacent MSVM well 600-SGW-5 (Figure 1.2). The four monitoring zones of this well were sampled in accordance with site-specific procedures for soil vapor sampling. Each monitoring zone was purged with a non-dedicated surface pump to evacuate stagnant air from the soil vapor sampling implant and stainless steel tubing connecting the implant to the surface sample collection fitting. Soil

[1] Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

vapor samples were then collected in one liter stainless steel SUMMA canisters provided by the analytical laboratory. Samples were labeled and placed in controlled storage prior to shipment to the contracted off-site analytical laboratory. Samples were analyzed for VOCs by Environmental Protection Agency (EPA) Method TO-15.

3.0 Pilot Testing Results

3.1 Field Results

3.1.1 Routine Perched Groundwater Extraction

Contaminated perched groundwater is extracted routinely from groundwater monitoring well 600-G-138 using a non-dedicated purge pump. The pump is typically left deployed in the well to minimize groundwater disturbance and decontamination requirements. When other groundwater monitoring projects require the use of this pump, it is removed from 600-G-138 and thoroughly decontaminated. After use, it is again decontaminated before being lowered back into 600-G-138. In general, perched groundwater is pumped from the well twice each WSTF working day. The depth to groundwater has ranged between 145.18 and 145.64 feet (ft) below top of casing (btoc). The pump is activated and operated until it breaks suction when the water level draws down to the pump intake depth, generally located at approximately 148 ft btoc, which is coincidental with the depth of the bedrock surface. On average, 13 gallons of perched groundwater are removed each pumping day. Groundwater recovery is not typically monitored, though the well has been observed to recover fully between the morning purge event and the afternoon purge event, which are separated by approximately four to six hours. Between April 2013 and March 2016, the groundwater elevation in the perched groundwater monitoring well was not significantly impacted by routine purging.

3.1.2 Periodic Groundwater Monitoring

The approved PGEPTWP and GMP require that groundwater sampling be performed at 600-G-138 on a quarterly basis. During the first year of the project, NASA collected groundwater samples on April 5, 2013 (prior to the pilot test), July 16, 2013, October 31, 2013, November 13, 2013, and January 29, 2014. Because the required soil vapor samples were not collected concurrently with the October 31, 2013 groundwater monitoring, the sampling event was repeated on November 13, 2013. During the second year of the project, NASA collected groundwater samples on April 21, 2014, July 30, 2014, November 20, 2014, and January 28, 2015. During the third year of the project, groundwater samples were collected on April 16, 2015, August 4, 2015, October 22, 2015, and January 20, 2016. At each sampling event, field measurements (groundwater indicator parameters) were collected prior to and following sample collection. Indicator parameters monitored during groundwater sampling events are provided in Table 3.1, Table 3.2, and Table 3.3.

3.1.3 Periodic Soil Vapor Monitoring

The PGEPTWP also requires quarterly monitoring of the soil vapor at MSVM well 600-SGW-5 (Figure 1.2) in conjunction with groundwater sampling. During the first year of the project, NASA collected soil vapor samples on March 27, 2013 (prior to the pilot test), July 16, 2013, November 13, 2013, and January 29, 2014. During the second year of the project, NASA collected soil vapor samples on April 21, 2014, July 30, 2014, October 9, 2014, November 20, 2014, and January 28, 2015. In the third year of the project, soil vapor samples were collected on April 16, 2015, May 20, 2015 (for two zones), August 4, 2015, October 22, 2015, and January 20, 2016. Two samples from the April 16, 2015 sampling event (those from 600-SGW-5-52.5 and 600-SGW-5-102.5) were received by the analytical laboratory at an inadequate vacuum pressure. Replacement samples were collected on May 20, 2015 for those two

zones. Soil vapor was purged from each monitoring zone using a Landtec GEM™[2]2000, which measures the percentage of oxygen, carbon dioxide, and methane in purged vapor. During soil vapor sampling events performed at MSVM well 600-SGW-5, methane was not reliably measured. Purged vapor ranged from 0 to 1.6% carbon dioxide and from 13.7 to 21.7% oxygen.

3.2 Chemical Analytical Results

3.2.1 Groundwater Monitoring Chemical Analytical Data

Chemical analytical results for the groundwater COCs from samples collected during the 13 groundwater sampling events at monitoring well 600-G-138 discussed previously are provided in Table 3.4, Table 3.5, and Table 3.6. All chemical analytical data for groundwater samples are provided in Appendix A.

3.2.2 Soil Vapor Monitoring Chemical Analytical Data

Chemical analytical results from soil vapor samples collected during the eight vapor sampling events at MSVM well 600-SGW-5 discussed previously are summarized in Table 3.7, Table 3.8, and Table 3.9, which provide the results for the three volatile COCs in groundwater. Analytical results for the sampling event performed on October 9, 2014 are not presented in the tables because there are no corresponding groundwater analytical data for that sampling event. The chemical analytical data from all soil vapor samples associated with the PGEPTWP are provided in Appendix B.

3.2.3 Surface Water Chemical Analytical Data

In the July 15, 2015 *Approval with Modifications 600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 2* (NMED, 2015b), NMED directed NASA to "…include the nitrate/nitrite water sample data from the lagoon" in future reports. Nitrate/nitrite data for samples collected from the adjacent 600 Area lagoon (east) and 100 Area lagoon (north) are provided in Appendix C.

4.0 Conclusions and Recommendations

Field measurements of perched groundwater depth in monitoring well 600-G-138 show that groundwater extraction has not reduced the thickness of perched groundwater at that location. The relatively consistent thickness of perched groundwater may indicate a source of groundwater beyond the regional aquifer. Figure 4.1 provides the NMED-required potentiometric surface map (NMED, 2015b) with 600-G-138 groundwater elevation data. The shape of the 4,615 ft contour near well 600-G-138 in Figure 4.1 indicates that the groundwater elevation in that area differs from groundwater elevation in the surrounding regional aquifer. Groundwater at 600-G-138 is perched on the bedrock surface, which was encountered at approximately 4,613.5 ft bgs during drilling the 600-G-138 borehole. Concentrations of nitrate/nitrite in samples from 600-G-138 (Table 3.4, Table 3.5, and Table 3.6) are relatively high compared to most of the WSTF groundwater contaminant plume. These factors suggest that the nearby 100 and 600 Area wastewater lagoons may contribute to the existence and composition of perched groundwater in the area. NASA ceased discharge to these lagoons in July 2015 and expects this potential source of recharge to the 600 Area local aquifer to be significantly reduced during the next project year.

Chemical analytical data presented in Section 3.2 indicate that the extraction of perched groundwater from monitoring well 600-G-138 may have a minor impact on the concentrations of COCs in the

[2] GEM™2000 is a registered trademark of Landtec North America, Inc.

groundwater. Concentrations of TCE, chloroform, nitrate/nitrite, and chloride exhibit slight downward trends over the three years of the perched groundwater extraction pilot test. It is unknown whether this slight reduction in VOC concentrations is the result of perched groundwater extraction or associated with the natural migration of contaminated groundwater from the source areas. NDMA and PCE are typically not detected in the 600 Area. NASA concludes that the removal of perched groundwater from monitoring well 600-G-138 is contributing to the removal of groundwater contaminants from the 600 Area local aquifer. Extraction and remediation of contaminated perched groundwater is consistent with NASA's clearly understood objective of reducing the contaminant mass in groundwater beneath WSTF.

The extraction of perched groundwater does not appear to have a significant effect on the concentrations of VOCs in soil vapor measured at MSVM well 600-SGW-5. Detections of TCE, the primary COC in soil vapor, are relatively inconsistent in three of the four monitoring zones in that well. TCE concentrations appear to be trending slightly downward in the monitoring zone at 52.5 ft below ground surface. In general, soil vapor chemical analytical data from samples collected in Project Year 3 are consistent with data from samples collected in Project Years 1 and 2 (Table 3.7, Table 3.8, and Table 3.9) and prior to the pilot test. NASA concludes that the presence of contaminated groundwater beneath the Closure continues to contribute to VOCs in the soil vapor above the perched groundwater, and potentially throughout the 600 Area. Contaminated groundwater may also be impacting other portions of the WSTF vadose zone overlying the groundwater contaminant plume.

NASA recommends the continued extraction of contaminated perched groundwater from monitoring well 600-G-138, with subsequent treatment of the extracted groundwater at the MPITS in accordance with DP-1255. Quarterly monitoring of groundwater at monitoring well 600-G-138 and soil vapor at MSVM well 600-SGW-5 is expected to continue as proposed in the NMED-approved GMP and PGEPTWP.

Numerous variables will continue to influence the extraction of perched groundwater at the 600 Area. As a result, establishing a long-term project schedule for the perched groundwater extraction pilot testing is not possible. NASA will continue to evaluate project status and success throughout the next year. If all recoverable perched groundwater is removed from 600-G-138 by the end of March 2017, NASA expects to perform final project groundwater and soil vapor sampling in April 2017 and will submit a final pilot test investigation report to NMED by July 31, 2017. If perched groundwater is still present in 600-G-138 at the end of March 2017, NASA will submit another interim project status report by April 30, 2017.

5.0 References

Accumulation time, 40 C.F.R. § 262.34 (2013).

NASA Johnson Space Center White Sands Test Facility. (2011, March 30). *600 Area Closure Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2012a, June 14). *600 Area Closure Soil Vapor Extraction (SVE) Pilot Test Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2012b, November 13). *600 Area Perched Groundwater Extraction Pilot Test Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2012c, May 17). *NASA WSTF Groundwater Monitoring Plan Update for 2012*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2013a, February 22). *Request for Extension of Time for Implementation of Perched Groundwater Extraction Pilot Test at NASA WSTF 600 Area*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2013b, April 29). *NASA WSTF Groundwater Monitoring Plan Update for 2013*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2014a, April 17). *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2014b, May 15). *NASA WSTF Groundwater Monitoring Plan Update for 2014*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2015a, April 16). *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report - Project Year 2*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2015b, November 25). *Additional Work Plan Requirement to Evaluate Potential Source of 600 Area Contamination*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2015c, April 29). *NASA WSTF Groundwater Monitoring Plan Update for 2015*. Las Cruces, NM.

NMED. Hazardous Waste Bureau. (2009, November). *Hazardous Waste Permit. NM8800019434, to United States National Aeronautics and Space Administration for the White Sands Test Facility Located in Doña Ana County, New Mexico*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2011a, June 9). *Approval with Modifications: 600 Area Closure Investigation Report and 200/600 Area Soil Gas and Groundwater Data Evaluation Report*. Santa Fe, NM.

NMED. Ground Water Quality Bureau. (2011b, September 26). *Ground Water Discharge Permit Renewal and Modification, DP-1255*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2011c, October 28). *Approval with Modification 600 Area Closure Soil Vapor Extraction Pilot Test Work Plan*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2013a, January 16). *Approval 600 Area Perched Groundwater Extraction Pilot Test Work Plan*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2013b, March 1). *Approval Time Extension for Implementation of the Perched Groundwater Extraction Pilot Test at the 600 Area*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2014, August 14). *Approval with Modifications Interim Status Report for 600 Area Perched Groundwater Extraction Pilot Test*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2015a, July 2). *Approval Groundwater Monitoring Plan, 2015 Update*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2015b, July 15). *Approval With Modifications 600 Area Perched Groundwater Extraction Pilot Test Interim Status Report - Project Year 2*. Santa Fe, NM.

NMED. Hazardous Waste Bureau. (2016, February 11). *Additional Work Plan Requirement to Evaluate Potential Source of 600 Area Contamination*. Santa Fe, NM.

Figures

Figure 1.1 **WSTF Location Map**

SEE NEXT PAGE

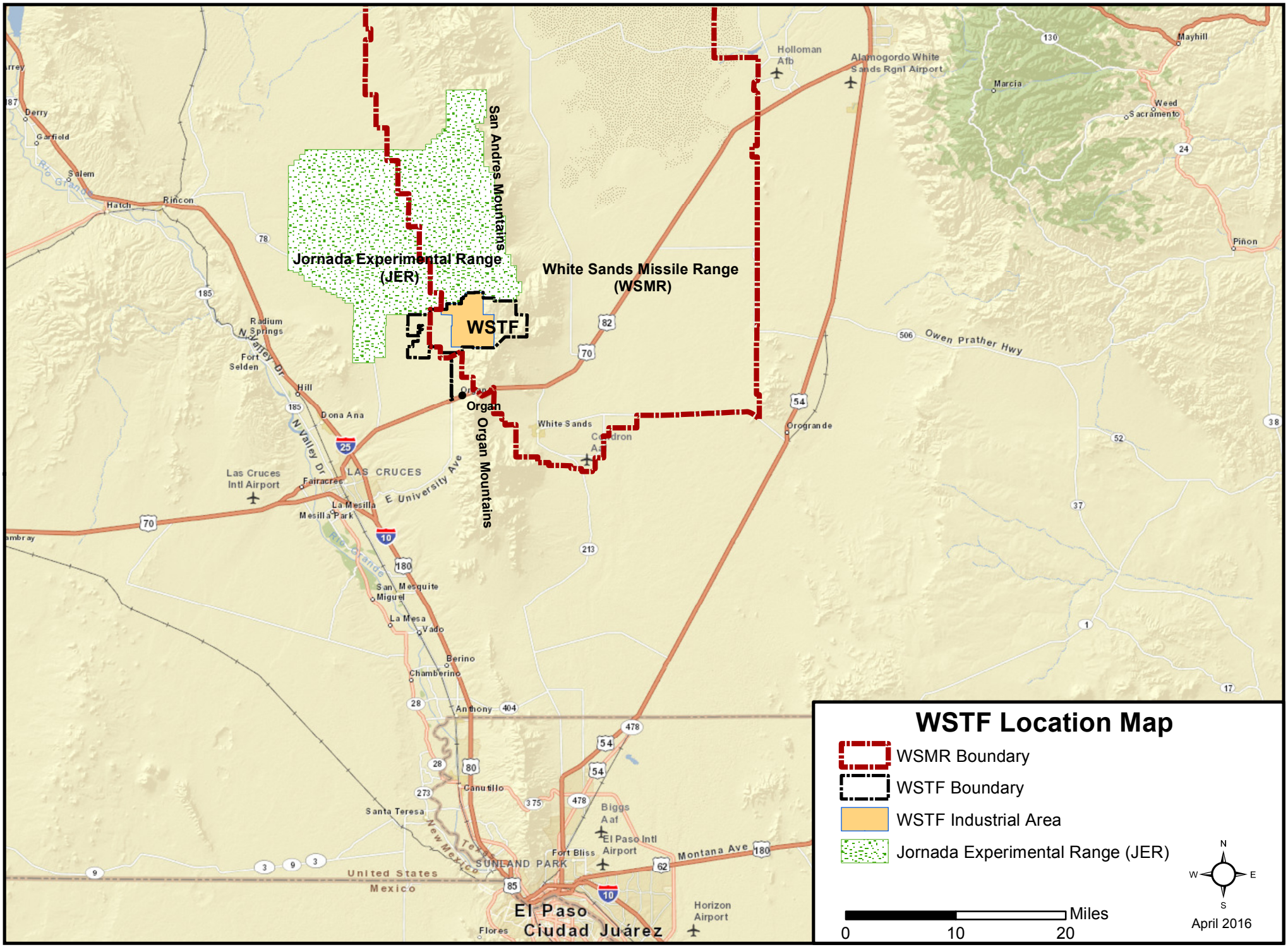
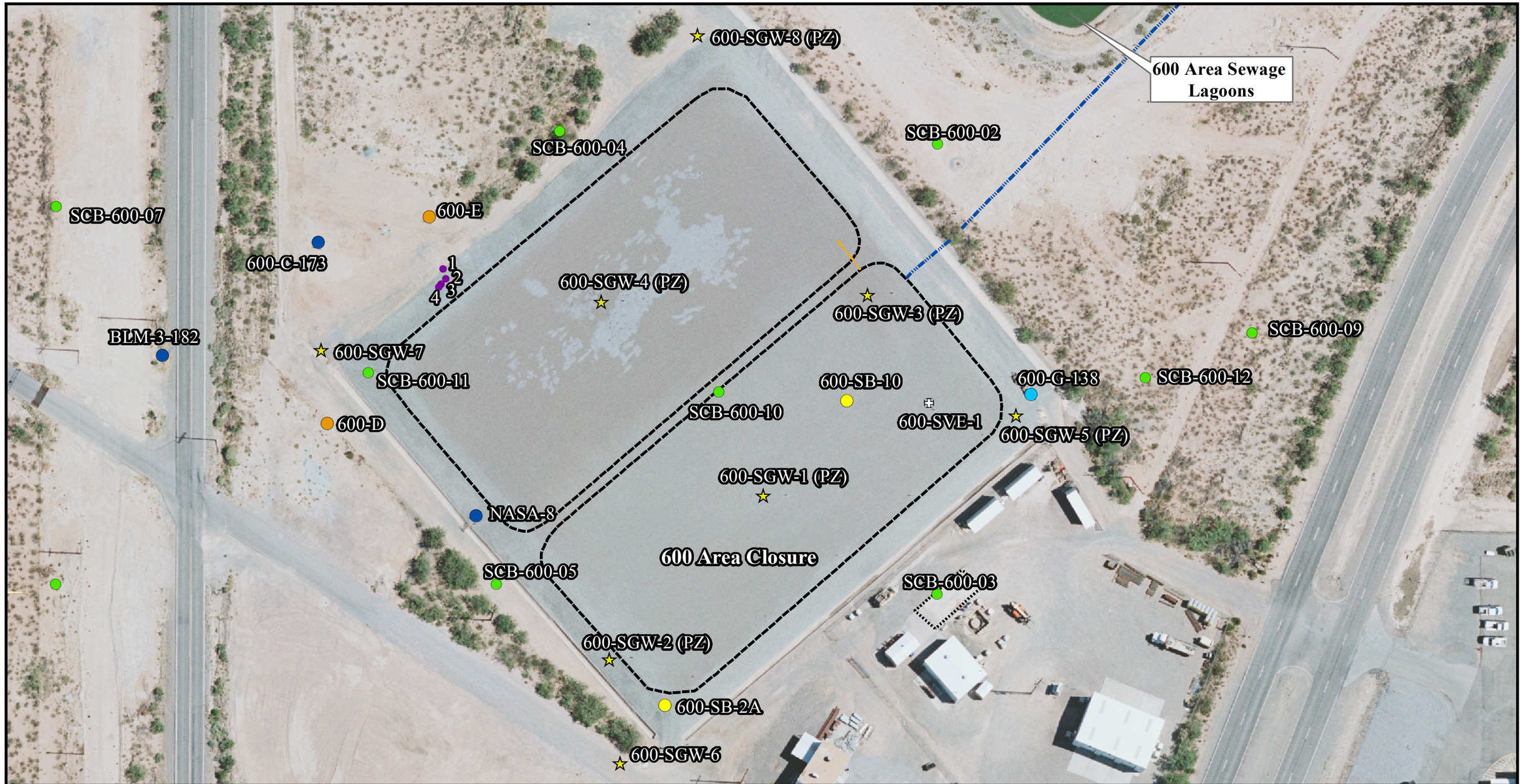

WSTF Location Map
WSMR Boundary
WSTF Boundary
WSTF Industrial Area
Jornada Experimental Range (JER)
Miles
0
10
20
N
S
E
W
April 2016
Jornada Experimental Range
(JER)
White Sands Missile Range
(WSMR)
WSTF
San Andres Mountains
Organ Mountains
Organ
Holloman Afb
Alamogordo White Sands Rgnl Airport
Marcia
Mayhill
Weed
Sacramento
Piñon
Owen Prather Hwy
Orogrande
White Sands
Cloudcroft
Las Cruces Intl Airport
LAS CRUCES
Fairacres
La Mesilla
Mesilla Park
E University Ave
N Valley Dr
Radium Springs
Fort Selden
Hill
Dona Ana
Rio Grande
San Miguel
Mesquite
La Mesa
Vado
Berino
Chamberino
Anthony
Canutillo
Santa Teresa
Biggs Aaf
El Paso Intl Airport
Fort Bliss
SUNLAND PARK
Montana Ave
Horizon Airport
Flores
El Paso
Ciudad Juárez
United States
Mexico
New Mexico
Texas
Salem
Hatch
Rincon
Derry
Garfield

Figure 1.2 **Map of 600 Area Closure**

SEE NEXT PAGE



600 Area Closure Map

- 600 Closure Soil Boring 2009/2010
- 600 Area Soil Boring (1987)
- 600 Closure Soil Gas Well (1987)
- Conventional Well
- Perched Water Well
- Multiport Well
- MSVGM Well
- 600 Closure Soil Gas Well (2009/2010)
- Soil Vapor Extraction Well
- Former 600 Surface Impoundments
- WSTF Steam Cleaning Pad
- Overflow Pipe (Removed 1988)
- Hazardous Waste Transmission Line (Abandoned 1988)

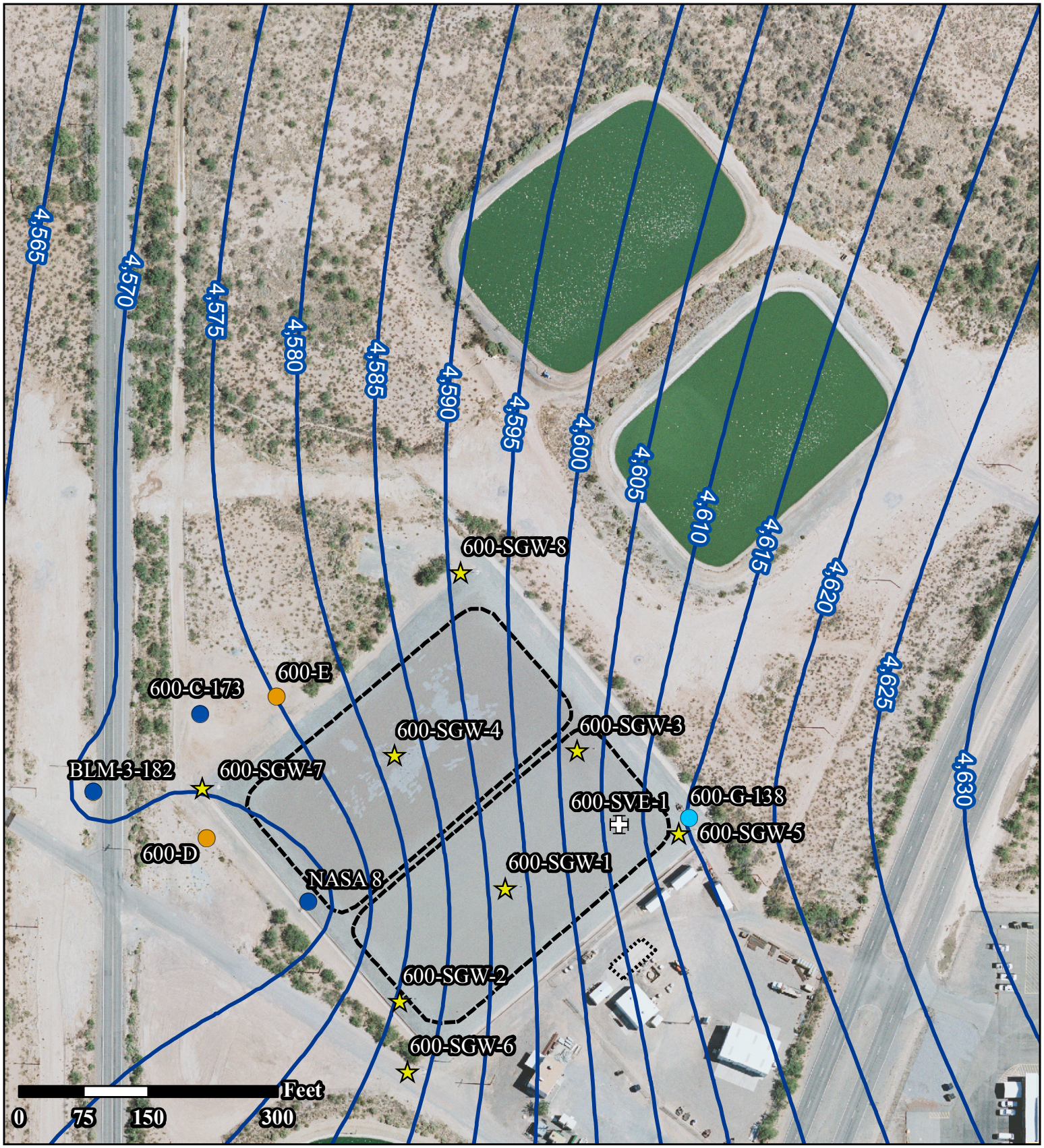
0 75 150 300 Feet

N W E S

April 2016

Figure 4.1 Potentiometric Surface Map of 600 Area

SEE NEXT PAGE



600 Area Potentiometric Surface Map

- Groundwater Elevation Contour (ft)
- Conventional Monitoring Well
- Perched Water Monitoring Well
- Multiport Monitoring Well
- MSVGM Well
- 600 Closure Soil Gas Well (2009/2010)
- Soil Vapor Extraction Well
- Former 600 Surface Impoundments

N
W E
S

April 2016

Tables

Table 2.1 Volume of Perched Groundwater Extracted from 600-G-138 in Project Year 1

Month	Volume of Perched Groundwater Extracted (gal)
April 2013	85
May 2013	319
June 2013	255
July 2013	146
August 2013	142
September 2013	65
October 2013	29
November 2013	74
December 2013	76
January 2014	215
February 2014	170
March 2014	294
Total Extracted	**1,870**

Table 2.2 Volume of Perched Groundwater Extracted from 600-G-138 in Project Year 2

Month	Volume of Perched Groundwater Extracted (gal)
April 2014	191
May 2014	197
June 2014	283
July 2014	285
August 2014	275
September 2014	199
October 2014	236
November 2014	197
December 2014	203
January 2015	164
February 2015	164
March 2015	216
Total Extracted	**2,610**

Table 2.3 Volume of Perched Groundwater Extracted from 600-G-138 in Project Year 3

Month	Volume of Perched Groundwater Extracted (gal)
April 2015	132
May 2015	161
June 2015	201
July 2015	271
August 2015	210
September 2015	226
October 2015	179
November 2015	155
December 2015	120
January 2016	141
February 2016	143
March 2016	205
Total Extracted	**2,144**

Table 3.1 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 1

April 5, 2013 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.64	Not measured
pH	7.63	7.71
Conductivity (µS/cm)	2,120	2,110
Temperature (°C)	21.3	22.8
Turbidity (NTU)	5.73	4.53
July 16, 2013 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.3	Not measured
pH	6.96	6.94
Conductivity (µS/cm)	2,180	2,210
Temperature (°C)	20.8	20.7
Turbidity (NTU)	0.89	0.96
October 31, 2013 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.46	Not measured
pH	7.70	7.73
Conductivity (µS/cm)	1,959	1,975
Temperature (°C)	20.8	20.2
Turbidity (NTU)	1.62	13.3
November 13, 2013 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.48	Not measured
pH	7.68	7.81
Conductivity (µS/cm)	2,270	2,320
Temperature (°C)	19.3	19.8
Turbidity (NTU)	1.59	1.30
January 29, 2014 Sampling Event		

Table 3.1 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 1

Parameter	Initial	Final
Depth to Water (ft btoc)	145.36	148.05
pH	7.18	7.26
Conductivity (µS/cm)	1,849	1,837
Temperature (°C)	19.5	19.6
Turbidity (NTU)	18	17.2

Table 3.2 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 2

April 21, 2014 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.43	148.12
pH	7.54	7.37
Conductivity (µS/cm)	897	913
Temperature (°C)	21.2	21.5
Turbidity (NTU)	0.98	0.67
July 30, 2014 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.52	147.50
pH	6.71	6.76
Conductivity (µS/cm)	2,200	2,220
Temperature (°C)	28.4	28.1
Turbidity (NTU)	5.81	4.65
November 20, 2014 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.21	147.87
pH	8.49	8.31
Conductivity (µS/cm)	2,200	2,240
Temperature (°C)	18.3	18.1
Turbidity (NTU)	2.51	1.71
January 28, 2015 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.18	147.93
pH	8.29	8.16
Conductivity (µS/cm)	1,936	1,922
Temperature (°C)	21.0	21.3
Turbidity (NTU)	0.68	1.00

Table 3.3 Groundwater Indicator Parameters Measured at 600-G-138 in Project Year 3

April 16, 2015 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.29	147.81
pH	7.58	7.67
Conductivity (µS/cm)	1,941	1,959
Temperature (°C)	23.3	23.6
Turbidity (NTU)	7.45	6.13
August 4, 2015 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.22	147.89
pH	8.19	8.07
Conductivity (µS/cm)	1,915	1,928
Temperature (°C)	28.1	27.9
Turbidity (NTU)	1.87	1.96
October 22, 2015 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.26	147.85
pH	7.66	7.58
Conductivity (µS/cm)	1,896	1,909
Temperature (°C)	19.0	19.4
Turbidity (NTU)	1.10	1.18
January 20, 2016 Sampling Event		
Parameter	**Initial**	**Final**
Depth to Water (ft btoc)	145.21	148.00
pH	8.25	8.36
Conductivity (µS/cm)	1,856	1,844
Temperature (°C)	18.7	18.6
Turbidity (NTU)	1.75	0.93

Table 3.4 Summary of Groundwater Chemical Analytical Results at 600-G-138 in Project Year 1

COC	4/5/2013	7/16/2013	10/31/2013	11/13/2013	1/29/2014
	COC Concentration (µg/L) for Groundwater Sampling Event				
TCE	99	81/86	100	110	100/100
PCE	ND	ND	ND	ND	ND/ND
Chloroform	0.63	0.5/0.54	0.73	0.68	0.61/0.65
NDMA	ND	ND	ND	*	ND
	COC Concentration (mg/L) for Groundwater Sampling Event				
NO_2/NO_3	12.3	13.5	12.6	*	12
Chloride	266	281	292	*	238

Note: Two values in the results column indicates that a field duplicate sample was collected and analyzed.

ND – Indicates that the analyte was not detected.

* – Indicates that samples were not collected for the specified analysis during this event. The 11/13/13 sampling event was performed in order to obtain results for VOCs that could be used in conjunction with soil vapor analytical results from sampling performed the same day. Additional results for NDMA, NO2/NO3, and chloride were not required for this comparison; results from 10/31/13 are adequate.

Table 3.5 Summary of Groundwater Chemical Analytical Results at 600-G-138 in Project Year 2

COC	4/21/2014	7/30/2014	11/20/2014	1/28/2015
	COC Concentration (µg/L) for Groundwater Sampling Event			
TCE	88	44	65	110
PCE	ND	ND	ND	ND
Chloroform	0.61	0.51	0.56	0.83
NDMA	ND	NA	NA	NA
	COC Concentration (mg/L) for Groundwater Sampling Event			
NO_2/NO_3	12	12.8	12.6	11.3
Chloride	242	265	282	221

ND – Indicates that the analyte was not detected.

NA – Indicates that the analyte was not monitored for at the event. NDMA samples are collected annually in accordance with the approved GMP.

Table 3.6 Summary of Groundwater Chemical Analytical Results at 600-G-138 in Project Year 3

COC	4/16/2015	8/4/2015	10/22/2015	1/20/2016
	COC Concentration (µg/L) for Groundwater Sampling Event			
TCE	82	99	63/63	65/70
PCE	ND	ND	ND/ND	ND/ND
Chloroform	0.54	0.77	0.7/0.64	0.7/0.73
NDMA	ND	NA	NA	NA
	COC Concentration (mg/L) for Groundwater Sampling Event			
NO_2/NO_3	11.8	11.2	11.1	10.1
Chloride	226	238	233	232

Note: Two values in the results column indicates that a field duplicate sample was collected and analyzed.

ND – Indicates that the analyte was not detected.

NA – Indicates that the analyte was not monitored for at the event. NDMA samples are collected annually in accordance with the approved GMP.

Table 3.7 Summary of Soil Vapor Chemical Analytical Results at 600-SGW-5 in Project Year 1

COC	3/25/2013	7/16/2013	11/13/2013	1/29/2014
	COC Concentration (µg/m^3) at 600-SGW-5-7.5			
TCE	17	8.7	170	85
PCE	ND	ND	ND	ND
Chloroform	0.63	ND	5.4	2.2
	COC Concentration (µg/m^3) at 600-SGW-5-52.5			
TCE	2,100	2,600	2,400	2,400
PCE	ND	1.8	ND	ND
Chloroform	88	94	100	90
	COC Concentration (µg/m^3) at 600-SGW-5-102.5			
TCE	2,500	650/1,800	2,500	1,400
PCE	ND	2.8/2.8	ND	ND
Chloroform	100	110/110	100	58
	COC Concentration (µg/m^3) at 600-SGW-5-137.5			
TCE	16,000	140	15,000	14,000
PCE	ND	1.3	ND	ND
Chloroform	ND	5.8	ND	110

Note: Two values in the results column indicates that a field duplicate sample was collected and analyzed.
ND – Indicates that the analyte was not detected.

Table 3.8 Summary of Soil Vapor Chemical Analytical Results at 600-SGW-5 in Project Year 2

COC	4/21/2014	7/30/2014	11/20/2014	1/28/2015
	COC Concentration (µg/m^3) at 600-SGW-5-7.5			
TCE	82	77	65	25
PCE	ND	6.1	ND	ND
Chloroform	3	3.3	2.2	ND
	COC Concentration (µg/m^3) at 600-SGW-5-52.5			
TCE	1,500	2,200	1,500	460
PCE	ND	ND	ND	ND
Chloroform	67	99	72	22
	COC Concentration (µg/m^3) at 600-SGW-5-102.5			
TCE	1,700	3,000	2,000	330
PCE	2.5	ND	ND	ND
Chloroform	82	120	86	15
	COC Concentration (µg/m^3) at 600-SGW-5-137.5			
TCE	14,000	11,000	10,000	710
PCE	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND

ND – Indicates that the analyte was not detected.

Table 3.9 Summary of Soil Vapor Chemical Analytical Results at 600-SGW-5 in Project Year 3

COC	4/16/2015	8/4/2015	10/22/2015	1/20/2016
	COC Concentration (µg/m^3) at 600-SGW-5-7.5			
TCE	37	48	50	150
PCE	ND	0.77	ND	ND
Chloroform	ND	1.7	1.5	5.4
	COC Concentration (µg/m^3) at 600-SGW-5-52.5			
TCE	300[1]	1,700	1,300	1,600/1,700
PCE	ND[1]	ND	ND	ND/ND
Chloroform	13[1]	85	54	77/84
	COC Concentration (µg/m^3) at 600-SGW-5-102.5			
TCE	2,700[1]	1,700	1,600	1,800
PCE	ND[1]	ND	ND	ND
Chloroform	110[1]	100	68	81
	COC Concentration (µg/m^3) at 600-SGW-5-137.5			
TCE	ND	13,000/15,000	14,000	16,000
PCE	ND	ND/ND	ND	ND
Chloroform	ND	120/140	ND	ND

Note: Two values in the results column indicates that a field duplicate sample was collected and analyzed.

ND – Indicates that the analyte was not detected.

[1] – The result provided is from the May 20, 2015 replacement sample.

Appendix A
Chemical Analytical Results for Groundwater Sampling at Monitoring Well 600-G-138

Data Qualifier	Summary Text
*	User defined qualifier. See quality assurance narrative.
A	The result of an analyte for a laboratory control sample (LCS), initial calibration verification (ICV) or continuing calibration verification (CCV) was outside standard limits.
AD	Relative percent difference for analyst (laboratory) duplicates was outside standard limits.
D	The reported result is from a dilution.
EB	The analyte was detected in the equipment blank.
FB	The analyte was detected in the field blank.
G	The result is an estimated value greater than the upper calibration limit.
i	The result, quantitation limit, and/or detection limit may have been affected by matrix interference.
J	The result is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
NA	The value/result was either not analyzed for or not applicable.
ND	The analyte was not detected above the detection limit.
Q	The result for a blind control sample was outside standard limits.
QD	The relative percent difference for a field duplicate was outside standard limits.
R	The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
RB	The analyte was detected in the method blank.
S	The result was determined by the method of standard addition.
SP	The matrix spike recovery and/or the relative percent difference for matrix spike duplicates was outside standard limits.
T	The sample was analyzed outside the specified holding time or temperature.
TB	The analyte was detected in the trip blank.
TIC	The analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
4/5/2013	8260C	1304051310B	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
4/5/2013	8260C	1304051310B	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
4/5/2013	8260C	1304051310B	Bromodichloromethane	ND	ug/L	1.0	0.32		
4/5/2013	8260C	1304051310B	Bromoform	ND	ug/L	1.0	0.42		
4/5/2013	8260C	1304051310B	Bromomethane	ND	ug/L	2.0	0.29		
4/5/2013	8260C	1304051310B	Carbon Disulfide	ND	ug/L	1.0	0.22		
4/5/2013	8260C	1304051310B	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
4/5/2013	8260C	1304051310B	Chlorobenzene	ND	ug/L	1.0	0.29		
4/5/2013	8260C	1304051310B	Chloroethane	ND	ug/L	2.0	0.24		
4/5/2013	8260C	1304051310B	Chloromethane	ND	ug/L	2.0	0.21		
4/5/2013	8260C	1304051310B	Dibromochloromethane	ND	ug/L	1.0	0.31		
4/5/2013	8260C	1304051310B	Acrylonitrile	ND	ug/L	5.0	1.4		
4/5/2013	8260C	1304051310B	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
4/5/2013	8260C	1304051310B	Acrolein	ND	ug/L	10	3.0		
4/5/2013	8260C	1304051310B	Dichloromethane	ND	ug/L	1.0	0.32		
4/5/2013	8260C	1304051310B	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
4/5/2013	8260C	1304051310B	Ethylbenzene	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	Iodomethane	ND	ug/L	5.0	0.98		
4/5/2013	8260C	1304051310B	Methacrylonitrile	ND	ug/L	5.0	0.50		
4/5/2013	8260C	1304051310B	Methyl Methacrylate	ND	ug/L	2.0	0.62		
4/5/2013	8260C	1304051310B	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
4/5/2013	8260C	1304051310B	Methylcyclohexane	ND	ug/L	10	0.27		
4/5/2013	8260C	1304051310B	Propionitrile	ND	ug/L	5.0	3.1		
4/5/2013	8260C	1304051310B	Styrene	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	Dibromomethane	ND	ug/L	1.0	0.32		
4/5/2013	8260C	1304051310B	1,4-Dioxane	ND	ug/L	100	20		
4/5/2013	8260C	1304051310B	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
4/5/2013	8260C	1304051310B	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
4/5/2013	8260C	1304051310B	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
4/5/2013	8260C	1304051310B	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
4/5/2013	8260C	1304051310B	1,1,2-Trichloro-1,2,2-Trifluoroethane	40	ug/L	1.0	0.31		
4/5/2013	8260C	1304051310B	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	1,1-Dichloroethene	0.86	ug/L	1.0	0.57		J
4/5/2013	8260C	1304051310B	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
4/5/2013	8260C	1304051310B	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
4/5/2013	8260C	1304051310B	1,2-Dibromoethane	ND	ug/L	1.0	0.24		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
4/5/2013	8260C	1304051310B	Benzene	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	Cyclohexane	ND	ug/L	10	0.25		
4/5/2013	8260C	1304051310B	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
4/5/2013	8260C	1304051310B	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
4/5/2013	8260C	1304051310B	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
4/5/2013	8260C	1304051310B	2-Hexanone	ND	ug/L	5.0	1.7		
4/5/2013	8260C	1304051310B	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
4/5/2013	8260C	1304051310B	2-Propanol	ND	ug/L	50	8.6		
4/5/2013	8260C	1304051310B	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
4/5/2013	8260C	1304051310B	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
4/5/2013	8260C	1304051310B	Acetone	ND	ug/L	10	1.3		
4/5/2013	8260C	1304051310B	Acetonitrile	ND	ug/L	25	4.7		
4/5/2013	8260C	1304051310B	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
4/5/2013	8260C	1304051310B	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
4/5/2013	8260C	1304051310B	Chloroform	0.63	ug/L	1.0	0.25		J
4/5/2013	8260C	1304051310B	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
4/5/2013	8260C	1304051310B	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
4/5/2013	8260C	1304051310B	o-Xylene	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	m,p-Xylenes	ND	ug/L	2.0	0.33		
4/5/2013	8260C	1304051310B	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
4/5/2013	8260C	1304051310B	Vinyl Chloride	ND	ug/L	1.0	0.32		
4/5/2013	8260C	1304051310B	Vinyl Acetate	ND	ug/L	5.0	1.1		
4/5/2013	8260C	1304051310B	Trichlorofluoromethane (CFC 11)	0.52	ug/L	1.0	0.20		J
4/5/2013	8260C	1304051310B	Trichloroethene (TCE)	99	ug/L	1.0	0.22		
4/5/2013	8260C	1304051310B	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
4/5/2013	8260C	1304051310B	Toluene	ND	ug/L	1.0	0.20		
4/5/2013	8260C	1304051310B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.94	ug/L	1.0	0.21		J
4/5/2013	TAP 01-040	1304051311B	N-Nitrosodimethylamine	ND	ug/L	0.0089	0.0044	89	
4/5/2013	TAP 01-040	1304051311B	N-Nitrodimethylamine	ND	ug/L	0.0089	0.0044	104	
4/5/2013	TAP 01-040	1304051311B	Bromacil	26	ug/L	0.0089	0.0044	102	
4/5/2013	353.2	1304051317B	Nitrate+Nitrite as Nitrogen	12.3	mg/L	0.50	0.03		
7/16/2013	8260C	1307160935C	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
7/16/2013	8260C	1307160935C	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
7/16/2013	8260C	1307160935C	1,2-Dibromoethane	ND	ug/L	1.0	0.24		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
7/16/2013	8260C	1307160935C	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
7/16/2013	8260C	1307160935C	1,1-Dichloroethene	ND	ug/L	1.0	0.57		
7/16/2013	8260C	1307160935C	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	1,1,2-Trichloro-1,2,2-Trifluoroethane	24	ug/L	1.0	0.31		
7/16/2013	8260C	1307160935C	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
7/16/2013	8260C	1307160935C	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
7/16/2013	8260C	1307160935C	1,4-Dioxane	ND	ug/L	100	20		
7/16/2013	8260C	1307160935C	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
7/16/2013	8260C	1307160935C	Acetonitrile	ND	ug/L	25	4.7		
7/16/2013	8260C	1307160935C	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
7/16/2013	8260C	1307160935C	Acetone	ND	ug/L	10	1.3		
7/16/2013	8260C	1307160935C	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
7/16/2013	8260C	1307160935C	Bromomethane	ND	ug/L	2.0	0.29		
7/16/2013	8260C	1307160935C	Bromoform	ND	ug/L	1.0	0.42		
7/16/2013	8260C	1307160935C	Bromodichloromethane	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160935C	Benzene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	Acrylonitrile	ND	ug/L	5.0	1.4		
7/16/2013	8260C	1307160935C	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
7/16/2013	8260C	1307160935C	Trichlorofluoromethane (CFC 11)	0.35	ug/L	1.0	0.20		J
7/16/2013	8260C	1307160935C	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160935C	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
7/16/2013	8260C	1307160935C	2-Propanol	ND	ug/L	50	8.6		
7/16/2013	8260C	1307160935C	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
7/16/2013	8260C	1307160935C	2-Hexanone	ND	ug/L	5.0	1.7		
7/16/2013	8260C	1307160935C	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
7/16/2013	8260C	1307160935C	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
7/16/2013	8260C	1307160935C	Acrolein	ND	ug/L	10	3.0		
7/16/2013	8260C	1307160935C	Dibromomethane	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160935C	Methacrylonitrile	ND	ug/L	5.0	0.50		
7/16/2013	8260C	1307160935C	Iodomethane	ND	ug/L	5.0	0.98		
7/16/2013	8260C	1307160935C	Ethylbenzene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
7/16/2013	8260C	1307160935C	Dichloromethane	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160935C	Vinyl Chloride	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160935C	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
7/16/2013	8260C	1307160935C	Methylcyclohexane	ND	ug/L	10	0.27		
7/16/2013	8260C	1307160935C	Dibromochloromethane	ND	ug/L	1.0	0.31		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
7/16/2013	8260C	1307160935C	Cyclohexane	ND	ug/L	10	0.25		
7/16/2013	8260C	1307160935C	Chloromethane	ND	ug/L	2.0	0.21		
7/16/2013	8260C	1307160935C	Chloroform	0.5	ug/L	1.0	0.25		J
7/16/2013	8260C	1307160935C	Chloroethane	ND	ug/L	2.0	0.24		
7/16/2013	8260C	1307160935C	Chlorobenzene	ND	ug/L	1.0	0.29		
7/16/2013	8260C	1307160935C	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
7/16/2013	8260C	1307160935C	Trichloroethene (TCE)	81	ug/L	1.0	0.22		
7/16/2013	8260C	1307160935C	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
7/16/2013	8260C	1307160935C	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
7/16/2013	8260C	1307160935C	o-Xylene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	m,p-Xylenes	ND	ug/L	2.0	0.33		
7/16/2013	8260C	1307160935C	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
7/16/2013	8260C	1307160935C	Methyl Methacrylate	ND	ug/L	2.0	0.62		
7/16/2013	8260C	1307160935C	Vinyl Acetate	ND	ug/L	5.0	1.1		
7/16/2013	8260C	1307160935C	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
7/16/2013	8260C	1307160935C	Toluene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
7/16/2013	8260C	1307160935C	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
7/16/2013	8260C	1307160935C	Styrene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160935C	Propionitrile	ND	ug/L	5.0	3.1		
7/16/2013	8260C	1307160935C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.61	ug/L	1.0	0.21		J
7/16/2013	8260C	1307160935C	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
7/16/2013	8260C	1307160935C	Carbon Disulfide	ND	ug/L	1.0	0.22		
7/16/2013	8260C	1307160936C	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
7/16/2013	8260C	1307160936C	Propionitrile	ND	ug/L	5.0	3.1		
7/16/2013	8260C	1307160936C	Methylcyclohexane	ND	ug/L	10	0.27		
7/16/2013	8260C	1307160936C	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
7/16/2013	8260C	1307160936C	Methyl Methacrylate	ND	ug/L	2.0	0.62		
7/16/2013	8260C	1307160936C	Methacrylonitrile	ND	ug/L	5.0	0.50		
7/16/2013	8260C	1307160936C	Chloromethane	ND	ug/L	2.0	0.21		
7/16/2013	8260C	1307160936C	Ethylbenzene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	Dichloromethane	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160936C	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
7/16/2013	8260C	1307160936C	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
7/16/2013	8260C	1307160936C	Dibromomethane	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160936C	Dibromochloromethane	ND	ug/L	1.0	0.31		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
7/16/2013	8260C	1307160936C	Cyclohexane	ND	ug/L	10	0.25		
7/16/2013	8260C	1307160936C	Iodomethane	ND	ug/L	5.0	0.98		
7/16/2013	8260C	1307160936C	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
7/16/2013	8260C	1307160936C	Chloroform	0.54	ug/L	1.0	0.25		J
7/16/2013	8260C	1307160936C	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
7/16/2013	8260C	1307160936C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.7	ug/L	1.0	0.21		J
7/16/2013	8260C	1307160936C	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
7/16/2013	8260C	1307160936C	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
7/16/2013	8260C	1307160936C	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
7/16/2013	8260C	1307160936C	m,p-Xylenes	ND	ug/L	2.0	0.33		
7/16/2013	8260C	1307160936C	Toluene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
7/16/2013	8260C	1307160936C	Vinyl Chloride	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160936C	Vinyl Acetate	ND	ug/L	5.0	1.1		
7/16/2013	8260C	1307160936C	Trichlorofluoromethane (CFC 11)	0.35	ug/L	1.0	0.20		J
7/16/2013	8260C	1307160936C	Trichloroethene (TCE)	86	ug/L	1.0	0.22		
7/16/2013	8260C	1307160936C	Styrene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	o-Xylene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	Bromodichloromethane	ND	ug/L	1.0	0.32		
7/16/2013	8260C	1307160936C	2-Hexanone	ND	ug/L	5.0	1.7		
7/16/2013	8260C	1307160936C	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
7/16/2013	8260C	1307160936C	2-Propanol	ND	ug/L	50	8.6		
7/16/2013	8260C	1307160936C	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
7/16/2013	8260C	1307160936C	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
7/16/2013	8260C	1307160936C	Acetone	ND	ug/L	10	1.3		
7/16/2013	8260C	1307160936C	Chlorobenzene	ND	ug/L	1.0	0.29		
7/16/2013	8260C	1307160936C	Benzene	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	Acetonitrile	ND	ug/L	25	4.7		
7/16/2013	8260C	1307160936C	Bromoform	ND	ug/L	1.0	0.42		
7/16/2013	8260C	1307160936C	Bromomethane	ND	ug/L	2.0	0.29		
7/16/2013	8260C	1307160936C	Carbon Disulfide	ND	ug/L	1.0	0.22		
7/16/2013	8260C	1307160936C	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
7/16/2013	8260C	1307160936C	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
7/16/2013	8260C	1307160936C	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
7/16/2013	8260C	1307160936C	Acrolein	ND	ug/L	10	3.0		
7/16/2013	8260C	1307160936C	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
7/16/2013	8260C	1307160936C	Acrylonitrile	ND	ug/L	5.0	1.4		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
7/16/2013	8260C	1307160936C	Chloroethane	ND	ug/L	2.0	0.24		
7/16/2013	8260C	1307160936C	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
7/16/2013	8260C	1307160936C	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
7/16/2013	8260C	1307160936C	1,1,2-Trichloro-1,2,2-Trifluoroethane	26	ug/L	1.0	0.31		
7/16/2013	8260C	1307160936C	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	1,1-Dichloroethene	ND	ug/L	1.0	0.57		
7/16/2013	8260C	1307160936C	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
7/16/2013	8260C	1307160936C	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
7/16/2013	8260C	1307160936C	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
7/16/2013	8260C	1307160936C	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
7/16/2013	8260C	1307160936C	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
7/16/2013	8260C	1307160936C	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
7/16/2013	8260C	1307160936C	1,4-Dioxane	ND	ug/L	100	20		
7/16/2013	8260C	1307160936C	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
7/16/2013	TAP 01-040	1307160938C	N-Nitrodimethylamine	ND	ug/L	0.0089	0.0044	83	*
7/16/2013	TAP 01-040	1307160938C	Bromacil	23.4	ug/L	0.0089	0.0044	113	*
7/16/2013	TAP 01-040	1307160938C	N-Nitrosodimethylamine	ND	ug/L	0.0089	0.0044	48	*
7/16/2013	353.2	1307160944C	Nitrate+Nitrite as Nitrogen	13.5	mg/L	1.0	0.06		
10/31/2013	8260C	1310311500B	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
10/31/2013	8260C	1310311500B	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
10/31/2013	8260C	1310311500B	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
10/31/2013	8260C	1310311500B	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
10/31/2013	8260C	1310311500B	1,1-Dichloroethene	1.1	ug/L	1.0	0.57		
10/31/2013	8260C	1310311500B	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.68	ug/L	1.0	0.21		J
10/31/2013	8260C	1310311500B	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
10/31/2013	8260C	1310311500B	Carbon Disulfide	ND	ug/L	1.0	0.22		
10/31/2013	8260C	1310311500B	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
10/31/2013	8260C	1310311500B	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
10/31/2013	8260C	1310311500B	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
10/31/2013	8260C	1310311500B	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
10/31/2013	8260C	1310311500B	1,1,2-Trichloro-1,2,2-Trifluoroethane	33	ug/L	1.0	0.31		
10/31/2013	8260C	1310311500B	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
10/31/2013	8260C	1310311500B	Bromoform	ND	ug/L	1.0	0.42		
10/31/2013	8260C	1310311500B	Bromomethane	ND	ug/L	2.0	0.29		
10/31/2013	8260C	1310311500B	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
10/31/2013	8260C	1310311500B	Benzene	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	Acrolein	ND	ug/L	10	3.0		
10/31/2013	8260C	1310311500B	Acetonitrile	ND	ug/L	25	4.7		
10/31/2013	8260C	1310311500B	Acrylonitrile	ND	ug/L	5.0	1.4		
10/31/2013	8260C	1310311500B	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
10/31/2013	8260C	1310311500B	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	2-Propanol	ND	ug/L	50	8.6		
10/31/2013	8260C	1310311500B	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
10/31/2013	8260C	1310311500B	2-Hexanone	ND	ug/L	5.0	1.7		
10/31/2013	8260C	1310311500B	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
10/31/2013	8260C	1310311500B	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
10/31/2013	8260C	1310311500B	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
10/31/2013	8260C	1310311500B	1,4-Dioxane	ND	ug/L	100	20		
10/31/2013	8260C	1310311500B	Acetone	ND	ug/L	10	1.3		
10/31/2013	8260C	1310311500B	Trichlorofluoromethane (CFC 11)	0.42	ug/L	1.0	0.20		J
10/31/2013	8260C	1310311500B	Methacrylonitrile	ND	ug/L	5.0	0.50		
10/31/2013	8260C	1310311500B	Methyl Methacrylate	ND	ug/L	2.0	0.62		
10/31/2013	8260C	1310311500B	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
10/31/2013	8260C	1310311500B	Methylcyclohexane	ND	ug/L	10	0.27		
10/31/2013	8260C	1310311500B	Propionitrile	ND	ug/L	5.0	3.1		
10/31/2013	8260C	1310311500B	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
10/31/2013	8260C	1310311500B	Iodomethane	ND	ug/L	5.0	0.98		
10/31/2013	8260C	1310311500B	Trichloroethene (TCE)	100	ug/L	1.0	0.22		
10/31/2013	8260C	1310311500B	Styrene	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	Vinyl Acetate	ND	ug/L	5.0	1.1		
10/31/2013	8260C	1310311500B	Vinyl Chloride	ND	ug/L	1.0	0.32		
10/31/2013	8260C	1310311500B	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
10/31/2013	8260C	1310311500B	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
10/31/2013	8260C	1310311500B	m,p-Xylenes	ND	ug/L	2.0	0.33		
10/31/2013	8260C	1310311500B	o-Xylene	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	Toluene	0.32	ug/L	1.0	0.20		J
10/31/2013	8260C	1310311500B	Cyclohexane	ND	ug/L	10	0.25		
10/31/2013	8260C	1310311500B	Ethylbenzene	ND	ug/L	1.0	0.20		
10/31/2013	8260C	1310311500B	Bromodichloromethane	ND	ug/L	1.0	0.32		
10/31/2013	8260C	1310311500B	Chloroethane	ND	ug/L	2.0	0.24		
10/31/2013	8260C	1310311500B	Chlorobenzene	ND	ug/L	1.0	0.29		
10/31/2013	8260C	1310311500B	Carbon Tetrachloride	ND	ug/L	1.0	0.45		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
10/31/2013	8260C	1310311500B	Chloroform	0.73	ug/L	1.0	0.25		J
10/31/2013	8260C	1310311500B	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
10/31/2013	8260C	1310311500B	Chloromethane	ND	ug/L	2.0	0.21		
10/31/2013	8260C	1310311500B	Dibromochloromethane	ND	ug/L	1.0	0.31		
10/31/2013	8260C	1310311500B	Dibromomethane	ND	ug/L	1.0	0.32		
10/31/2013	8260C	1310311500B	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
10/31/2013	8260C	1310311500B	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
10/31/2013	8260C	1310311500B	Dichloromethane	ND	ug/L	1.0	0.32		
10/31/2013	8260C	1310311500B	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
10/31/2013	TAP 01-040	1310311502B	Bromacil	25	ug/L	0.038	0.019	110	D
10/31/2013	TAP 01-040	1310311502B	N-Nitrosodimethylamine	ND	ug/L	0.038	0.019	88	
10/31/2013	TAP 01-040	1310311502B	N-Nitrodimethylamine	ND	ug/L	0.038	0.019	105	
10/31/2013	353.2	1310311507B	Nitrate+Nitrite as Nitrogen	12.9	mg/L	0.50	0.03		
11/13/2013	8260C	1311131445C	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
11/13/2013	8260C	1311131445C	Methylcyclohexane	ND	ug/L	10	0.27		
11/13/2013	8260C	1311131445C	Toluene	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
11/13/2013	8260C	1311131445C	Trichloroethene (TCE)	110	ug/L	1.0	0.22		
11/13/2013	8260C	1311131445C	Trichlorofluoromethane (CFC 11)	0.77	ug/L	1.0	0.20		J
11/13/2013	8260C	1311131445C	Vinyl Acetate	ND	ug/L	5.0	1.1		
11/13/2013	8260C	1311131445C	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
11/13/2013	8260C	1311131445C	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
11/13/2013	8260C	1311131445C	m,p-Xylenes	ND	ug/L	2.0	0.33		
11/13/2013	8260C	1311131445C	o-Xylene	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
11/13/2013	8260C	1311131445C	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
11/13/2013	8260C	1311131445C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.2	ug/L	1.0	0.21		
11/13/2013	8260C	1311131445C	Vinyl Chloride	ND	ug/L	1.0	0.32		
11/13/2013	8260C	1311131445C	1,4-Dioxane	ND	ug/L	100	20		
11/13/2013	8260C	1311131445C	Styrene	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	Acetonitrile	ND	ug/L	25	4.7		
11/13/2013	8260C	1311131445C	Acetone	ND	ug/L	10	1.3		
11/13/2013	8260C	1311131445C	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
11/13/2013	8260C	1311131445C	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
11/13/2013	8260C	1311131445C	2-Propanol	ND	ug/L	50	8.6		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
11/13/2013	8260C	1311131445C	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
11/13/2013	8260C	1311131445C	2-Hexanone	ND	ug/L	5.0	1.7		
11/13/2013	8260C	1311131445C	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
11/13/2013	8260C	1311131445C	Acrylonitrile	ND	ug/L	5.0	1.4		
11/13/2013	8260C	1311131445C	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
11/13/2013	8260C	1311131445C	Benzene	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
11/13/2013	8260C	1311131445C	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
11/13/2013	8260C	1311131445C	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
11/13/2013	8260C	1311131445C	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
11/13/2013	8260C	1311131445C	1,1-Dichloroethene	1.1	ug/L	1.0	0.57		
11/13/2013	8260C	1311131445C	1,1,2-Trichloro-1,2,2-Trifluoroethane	82	ug/L	1.0	0.31		
11/13/2013	8260C	1311131445C	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
11/13/2013	8260C	1311131445C	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
11/13/2013	8260C	1311131445C	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
11/13/2013	8260C	1311131445C	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
11/13/2013	8260C	1311131445C	Dibromochloromethane	ND	ug/L	1.0	0.31		
11/13/2013	8260C	1311131445C	Propionitrile	ND	ug/L	5.0	3.1		
11/13/2013	8260C	1311131445C	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
11/13/2013	8260C	1311131445C	Methyl Methacrylate	ND	ug/L	2.0	0.62		
11/13/2013	8260C	1311131445C	Methacrylonitrile	ND	ug/L	5.0	0.50		
11/13/2013	8260C	1311131445C	Iodomethane	ND	ug/L	5.0	0.98		
11/13/2013	8260C	1311131445C	Ethylbenzene	ND	ug/L	1.0	0.20		
11/13/2013	8260C	1311131445C	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
11/13/2013	8260C	1311131445C	Dichloromethane	ND	ug/L	1.0	0.32		
11/13/2013	8260C	1311131445C	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
11/13/2013	8260C	1311131445C	Acrolein	ND	ug/L	10	3.0		
11/13/2013	8260C	1311131445C	Dibromomethane	ND	ug/L	1.0	0.32		
11/13/2013	8260C	1311131445C	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
11/13/2013	8260C	1311131445C	Cyclohexane	ND	ug/L	10	0.25		
11/13/2013	8260C	1311131445C	Chloromethane	ND	ug/L	2.0	0.21		
11/13/2013	8260C	1311131445C	Chloroform	0.68	ug/L	1.0	0.25		J
11/13/2013	8260C	1311131445C	Chloroethane	ND	ug/L	2.0	0.24		
11/13/2013	8260C	1311131445C	Chlorobenzene	ND	ug/L	1.0	0.29		
11/13/2013	8260C	1311131445C	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
11/13/2013	8260C	1311131445C	Carbon Disulfide	ND	ug/L	1.0	0.22		
11/13/2013	8260C	1311131445C	Bromomethane	ND	ug/L	2.0	0.29		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
11/13/2013	8260C	1311131445C	Bromoform	ND	ug/L	1.0	0.42		
11/13/2013	8260C	1311131445C	Bromodichloromethane	ND	ug/L	1.0	0.32		
11/13/2013	8260C	1311131445C	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
11/13/2013	8260C	1311131445C	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	Acrylonitrile	ND	ug/L	5.0	1.4		
1/29/2014	8260C	1401291415	Cyclohexane	ND	ug/L	10	0.25		
1/29/2014	8260C	1401291415	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
1/29/2014	8260C	1401291415	2-Propanol	ND	ug/L	50	8.6		
1/29/2014	8260C	1401291415	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
1/29/2014	8260C	1401291415	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
1/29/2014	8260C	1401291415	Acetone	ND	ug/L	10	1.3		
1/29/2014	8260C	1401291415	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
1/29/2014	8260C	1401291415	Acrolein	ND	ug/L	10	3.0		
1/29/2014	8260C	1401291415	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
1/29/2014	8260C	1401291415	Benzene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	Carbon Disulfide	ND	ug/L	1.0	0.22		
1/29/2014	8260C	1401291415	Bromoform	ND	ug/L	1.0	0.42		
1/29/2014	8260C	1401291415	Chloroethane	ND	ug/L	2.0	0.24		
1/29/2014	8260C	1401291415	Chloroform	0.61	ug/L	1.0	0.25		J
1/29/2014	8260C	1401291415	Chloromethane	ND	ug/L	2.0	0.21		
1/29/2014	8260C	1401291415	Acetonitrile	ND	ug/L	25	4.7		
1/29/2014	8260C	1401291415	1,1-Dichloroethene	0.81	ug/L	1.0	0.57		J
1/29/2014	8260C	1401291415	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
1/29/2014	8260C	1401291415	Bromomethane	ND	ug/L	2.0	0.29		
1/29/2014	8260C	1401291415	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
1/29/2014	8260C	1401291415	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
1/29/2014	8260C	1401291415	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
1/29/2014	8260C	1401291415	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
1/29/2014	8260C	1401291415	2-Hexanone	ND	ug/L	5.0	1.7		
1/29/2014	8260C	1401291415	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	Chlorobenzene	ND	ug/L	1.0	0.29		
1/29/2014	8260C	1401291415	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
1/29/2014	8260C	1401291415	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
1/29/2014	8260C	1401291415	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
1/29/2014	8260C	1401291415	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
1/29/2014	8260C	1401291415	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	1,4-Dioxane	ND	ug/L	100	20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/29/2014	8260C	1401291415	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291415	1,1,2-Trichloro-1,2,2-Trifluoroethane	44	ug/L	1.0	0.31		
1/29/2014	8260C	1401291415	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
1/29/2014	8260C	1401291415	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
1/29/2014	8260C	1401291415	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
1/29/2014	8260C	1401291415	o-Xylene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	m,p-Xylenes	ND	ug/L	2.0	0.33		
1/29/2014	8260C	1401291415	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
1/29/2014	8260C	1401291415	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
1/29/2014	8260C	1401291415	Vinyl Chloride	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291415	Vinyl Acetate	ND	ug/L	5.0	1.1		
1/29/2014	8260C	1401291415	Trichlorofluoromethane (CFC 11)	0.46	ug/L	1.0	0.20		J
1/29/2014	8260C	1401291415	Trichloroethene (TCE)	100	ug/L	1.0	0.22		
1/29/2014	8260C	1401291415	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.77	ug/L	1.0	0.21		J
1/29/2014	8260C	1401291415	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
1/29/2014	8260C	1401291415	Styrene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	Propionitrile	ND	ug/L	5.0	3.1		
1/29/2014	8260C	1401291415	Bromodichloromethane	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291415	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
1/29/2014	8260C	1401291415	Methyl Methacrylate	ND	ug/L	2.0	0.62		
1/29/2014	8260C	1401291415	Methacrylonitrile	ND	ug/L	5.0	0.50		
1/29/2014	8260C	1401291415	Iodomethane	ND	ug/L	5.0	0.98		
1/29/2014	8260C	1401291415	Ethylbenzene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
1/29/2014	8260C	1401291415	Dichloromethane	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291415	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
1/29/2014	8260C	1401291415	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
1/29/2014	8260C	1401291415	Dibromomethane	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291415	Toluene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291415	Methylcyclohexane	ND	ug/L	10	0.27		
1/29/2014	8260C	1401291415	Dibromochloromethane	ND	ug/L	1.0	0.31		
1/29/2014	8260C	1401291416	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
1/29/2014	8260C	1401291416	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
1/29/2014	8260C	1401291416	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291416	1,4-Dioxane	ND	ug/L	100	20		
1/29/2014	8260C	1401291416	1,2-Dichloropropane	ND	ug/L	1.0	0.20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/29/2014	8260C	1401291416	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
1/29/2014	8260C	1401291416	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
1/29/2014	8260C	1401291416	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
1/29/2014	8260C	1401291416	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
1/29/2014	8260C	1401291416	1,1-Dichloroethene	0.88	ug/L	1.0	0.57		J
1/29/2014	8260C	1401291416	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291416	1,1,2-Trichloro-1,2,2-Trifluoroethane	45	ug/L	1.0	0.31		
1/29/2014	8260C	1401291416	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
1/29/2014	8260C	1401291416	m,p-Xylenes	ND	ug/L	2.0	0.33		
1/29/2014	8260C	1401291416	Toluene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291416	Trichloroethene (TCE)	100	ug/L	1.0	0.22		
1/29/2014	8260C	1401291416	Trichlorofluoromethane (CFC 11)	0.45	ug/L	1.0	0.20		J
1/29/2014	8260C	1401291416	Vinyl Acetate	ND	ug/L	5.0	1.1		
1/29/2014	8260C	1401291416	Vinyl Chloride	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291416	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
1/29/2014	8260C	1401291416	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
1/29/2014	8260C	1401291416	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
1/29/2014	8260C	1401291416	o-Xylene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291416	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
1/29/2014	8260C	1401291416	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291416	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
1/29/2014	8260C	1401291416	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.74	ug/L	1.0	0.21		J
1/29/2014	8260C	1401291416	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
1/29/2014	8260C	1401291416	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
1/29/2014	8260C	1401291416	Ethylbenzene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291416	Methylcyclohexane	ND	ug/L	10	0.27		
1/29/2014	8260C	1401291416	Acetonitrile	ND	ug/L	25	4.7		
1/29/2014	8260C	1401291416	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
1/29/2014	8260C	1401291416	Methyl Methacrylate	ND	ug/L	2.0	0.62		
1/29/2014	8260C	1401291416	Methacrylonitrile	ND	ug/L	5.0	0.50		
1/29/2014	8260C	1401291416	Iodomethane	ND	ug/L	5.0	0.98		
1/29/2014	8260C	1401291416	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
1/29/2014	8260C	1401291416	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
1/29/2014	8260C	1401291416	Acetone	ND	ug/L	10	1.3		
1/29/2014	8260C	1401291416	Acrolein	ND	ug/L	10	3.0		
1/29/2014	8260C	1401291416	Benzene	ND	ug/L	1.0	0.20		
1/29/2014	8260C	1401291416	Bromodichloromethane	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291416	Bromoform	ND	ug/L	1.0	0.42		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/29/2014	8260C	1401291416	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
1/29/2014	8260C	1401291416	Cyclohexane	ND	ug/L	10	0.25		
1/29/2014	8260C	1401291416	2-Propanol	ND	ug/L	50	8.6		
1/29/2014	8260C	1401291416	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
1/29/2014	8260C	1401291416	Dichloromethane	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291416	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
1/29/2014	8260C	1401291416	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
1/29/2014	8260C	1401291416	Bromomethane	ND	ug/L	2.0	0.29		
1/29/2014	8260C	1401291416	Dibromochloromethane	ND	ug/L	1.0	0.31		
1/29/2014	8260C	1401291416	Carbon Disulfide	ND	ug/L	1.0	0.22		
1/29/2014	8260C	1401291416	Chloromethane	ND	ug/L	2.0	0.21		
1/29/2014	8260C	1401291416	Chloroform	0.65	ug/L	1.0	0.25		J
1/29/2014	8260C	1401291416	Chloroethane	ND	ug/L	2.0	0.24		
1/29/2014	8260C	1401291416	Chlorobenzene	ND	ug/L	1.0	0.29		
1/29/2014	8260C	1401291416	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
1/29/2014	8260C	1401291416	2-Hexanone	ND	ug/L	5.0	1.7		
1/29/2014	8260C	1401291416	Dibromomethane	ND	ug/L	1.0	0.32		
1/29/2014	8260C	1401291416	Acrylonitrile	ND	ug/L	5.0	1.4		
1/29/2014	8260C	1401291416	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
1/29/2014	8260C	1401291416	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
1/29/2014	8260C	1401291416	Propionitrile	ND	ug/L	5.0	3.1		
1/29/2014	8260C	1401291416	Styrene	ND	ug/L	1.0	0.20		
1/29/2014	TAP 01-040	1401291417	N-Nitrosodimethylamine	ND	ug/L	0.038	0.019	98	
1/29/2014	TAP 01-040	1401291417	N-Nitrodimethylamine	ND	ug/L	0.038	0.019	107	
1/29/2014	TAP 01-040	1401291417	Bromacil	23	ug/L	0.038	0.019	97	D
1/29/2014	353.2	1401291423	Nitrate+Nitrite as Nitrogen	12	mg/L	0.50	0.03		
4/21/2014	8260C	1404211030A	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
4/21/2014	8260C	1404211030A	2-Propanol	ND	ug/L	50	8.6		
4/21/2014	8260C	1404211030A	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
4/21/2014	8260C	1404211030A	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
4/21/2014	8260C	1404211030A	Acetone	ND	ug/L	10	1.3		
4/21/2014	8260C	1404211030A	2-Hexanone	ND	ug/L	5.0	1.7		
4/21/2014	8260C	1404211030A	Acrolein	ND	ug/L	10	3.0		
4/21/2014	8260C	1404211030A	1,4-Dioxane	ND	ug/L	100	20		
4/21/2014	8260C	1404211030A	Acrylonitrile	ND	ug/L	5.0	1.4		
4/21/2014	8260C	1404211030A	Benzene	ND	ug/L	1.0	0.20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
4/21/2014	8260C	1404211030A	Bromodichloromethane	ND	ug/L	1.0	0.32		
4/21/2014	8260C	1404211030A	Bromoform	ND	ug/L	1.0	0.42		
4/21/2014	8260C	1404211030A	Acetonitrile	ND	ug/L	25	4.7		
4/21/2014	8260C	1404211030A	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
4/21/2014	8260C	1404211030A	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
4/21/2014	8260C	1404211030A	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
4/21/2014	8260C	1404211030A	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
4/21/2014	8260C	1404211030A	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
4/21/2014	8260C	1404211030A	1,1,2-Trichloro-1,2,2-Trifluoroethane	16	ug/L	1.0	0.31		
4/21/2014	8260C	1404211030A	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
4/21/2014	8260C	1404211030A	1,1-Dichloroethene	0.57	ug/L	1.0	0.57		J
4/21/2014	8260C	1404211030A	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
4/21/2014	8260C	1404211030A	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
4/21/2014	8260C	1404211030A	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
4/21/2014	8260C	1404211030A	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
4/21/2014	8260C	1404211030A	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
4/21/2014	8260C	1404211030A	Chlorobenzene	ND	ug/L	1.0	0.29		
4/21/2014	8260C	1404211030A	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
4/21/2014	8260C	1404211030A	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
4/21/2014	8260C	1404211030A	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
4/21/2014	8260C	1404211030A	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
4/21/2014	8260C	1404211030A	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
4/21/2014	8260C	1404211030A	Toluene	0.8	ug/L	1.0	0.20		J
4/21/2014	8260C	1404211030A	Trichloroethene (TCE)	88	ug/L	1.0	0.22		
4/21/2014	8260C	1404211030A	Trichlorofluoromethane (CFC 11)	0.45	ug/L	1.0	0.20		J
4/21/2014	8260C	1404211030A	Vinyl Acetate	ND	ug/L	5.0	1.1		
4/21/2014	8260C	1404211030A	Carbon Disulfide	ND	ug/L	1.0	0.22		
4/21/2014	8260C	1404211030A	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
4/21/2014	8260C	1404211030A	Methylcyclohexane	ND	ug/L	10	0.27		
4/21/2014	8260C	1404211030A	m,p-Xylenes	ND	ug/L	2.0	0.33		
4/21/2014	8260C	1404211030A	o-Xylene	ND	ug/L	1.0	0.20		
4/21/2014	8260C	1404211030A	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
4/21/2014	8260C	1404211030A	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
4/21/2014	8260C	1404211030A	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
4/21/2014	8260C	1404211030A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.62	ug/L	1.0	0.21		J
4/21/2014	8260C	1404211030A	Vinyl Chloride	ND	ug/L	1.0	0.32		
4/21/2014	8260C	1404211030A	Dichloromethane	ND	ug/L	1.0	0.32		
4/21/2014	8260C	1404211030A	Carbon Tetrachloride	ND	ug/L	1.0	0.45		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
4/21/2014	8260C	1404211030A	Chloroform	0.61	ug/L	1.0	0.25		J
4/21/2014	8260C	1404211030A	Chloroethane	ND	ug/L	2.0	0.24		
4/21/2014	8260C	1404211030A	Chloromethane	ND	ug/L	2.0	0.21		
4/21/2014	8260C	1404211030A	Dibromochloromethane	ND	ug/L	1.0	0.31		
4/21/2014	8260C	1404211030A	Dibromomethane	ND	ug/L	1.0	0.32		
4/21/2014	8260C	1404211030A	Styrene	ND	ug/L	1.0	0.20		
4/21/2014	8260C	1404211030A	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
4/21/2014	8260C	1404211030A	Propionitrile	ND	ug/L	5.0	3.1		
4/21/2014	8260C	1404211030A	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
4/21/2014	8260C	1404211030A	Ethylbenzene	ND	ug/L	1.0	0.20		
4/21/2014	8260C	1404211030A	Iodomethane	ND	ug/L	5.0	0.98		
4/21/2014	8260C	1404211030A	Methacrylonitrile	ND	ug/L	5.0	0.50		
4/21/2014	8260C	1404211030A	Methyl Methacrylate	ND	ug/L	2.0	0.62		
4/21/2014	8260C	1404211030A	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
4/21/2014	8260C	1404211030A	Bromomethane	ND	ug/L	2.0	0.29		
4/21/2014	8260C	1404211030A	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
4/21/2014	8260C	1404211030A	Cyclohexane	ND	ug/L	10	0.25		
4/21/2014	TAP 01-040	1404211032A	N-Nitrosodimethylamine	ND	ug/L	0.0094	0.0047	89	
4/21/2014	TAP 01-040	1404211032A	N-Nitrodimethylamine	ND	ug/L	0.0094	0.0047	103	
4/21/2014	TAP 01-040	1404211032A	Bromacil	25	ug/L	0.0094	0.0047	113	
4/21/2014	353.2	1404211034A	Nitrate+Nitrite as Nitrogen	12	mg/L	0.25	0.007		
7/30/2014	8260C	1407301310A	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
7/30/2014	8260C	1407301310A	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
7/30/2014	8260C	1407301310A	2-Propanol	ND	ug/L	50	8.6		
7/30/2014	8260C	1407301310A	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
7/30/2014	8260C	1407301310A	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
7/30/2014	8260C	1407301310A	Acetone	ND	ug/L	10	1.3		
7/30/2014	8260C	1407301310A	Acetonitrile	ND	ug/L	25	4.7		
7/30/2014	8260C	1407301310A	Acrolein	ND	ug/L	10	3.0		
7/30/2014	8260C	1407301310A	2-Hexanone	ND	ug/L	5.0	1.7		
7/30/2014	8260C	1407301310A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.27	ug/L	1.0	0.21		J
7/30/2014	8260C	1407301310A	1,4-Dioxane	ND	ug/L	100	20		
7/30/2014	8260C	1407301310A	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
7/30/2014	8260C	1407301310A	Acrylonitrile	ND	ug/L	5.0	1.4		
7/30/2014	8260C	1407301310A	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
7/30/2014	8260C	1407301310A	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
7/30/2014	8260C	1407301310A	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
7/30/2014	8260C	1407301310A	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
7/30/2014	8260C	1407301310A	1,1,2-Trichloro-1,2,2-Trifluoroethane	9.5	ug/L	1.0	0.31		
7/30/2014	8260C	1407301310A	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
7/30/2014	8260C	1407301310A	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
7/30/2014	8260C	1407301310A	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
7/30/2014	8260C	1407301310A	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
7/30/2014	8260C	1407301310A	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
7/30/2014	8260C	1407301310A	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
7/30/2014	8260C	1407301310A	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
7/30/2014	8260C	1407301310A	Benzene	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	1,1-Dichloroethene	ND	ug/L	1.0	0.57		
7/30/2014	8260C	1407301310A	Chloroethane	ND	ug/L	2.0	0.24		
7/30/2014	8260C	1407301310A	o-Xylene	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
7/30/2014	8260C	1407301310A	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
7/30/2014	8260C	1407301310A	Dibromomethane	ND	ug/L	1.0	0.32		
7/30/2014	8260C	1407301310A	Dibromochloromethane	ND	ug/L	1.0	0.31		
7/30/2014	8260C	1407301310A	Cyclohexane	ND	ug/L	10	0.25		
7/30/2014	8260C	1407301310A	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
7/30/2014	8260C	1407301310A	Chloroform	0.51	ug/L	1.0	0.25		J
7/30/2014	8260C	1407301310A	Ethylbenzene	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	Chlorobenzene	ND	ug/L	1.0	0.29		
7/30/2014	8260C	1407301310A	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
7/30/2014	8260C	1407301310A	Carbon Disulfide	ND	ug/L	1.0	0.22		
7/30/2014	8260C	1407301310A	Bromomethane	ND	ug/L	2.0	0.29		
7/30/2014	8260C	1407301310A	Bromoform	ND	ug/L	1.0	0.42		
7/30/2014	8260C	1407301310A	Bromodichloromethane	ND	ug/L	1.0	0.32		
7/30/2014	8260C	1407301310A	Chloromethane	ND	ug/L	2.0	0.21		
7/30/2014	8260C	1407301310A	Styrene	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
7/30/2014	8260C	1407301310A	Vinyl Chloride	ND	ug/L	1.0	0.32		
7/30/2014	8260C	1407301310A	Vinyl Acetate	ND	ug/L	5.0	1.1		
7/30/2014	8260C	1407301310A	Trichlorofluoromethane (CFC 11)	ND	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	Trichloroethene (TCE)	44	ug/L	1.0	0.22		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
7/30/2014	8260C	1407301310A	Toluene	9.5	ug/L	1.0	0.20		
7/30/2014	8260C	1407301310A	Dichloromethane	ND	ug/L	1.0	0.32		
7/30/2014	8260C	1407301310A	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
7/30/2014	8260C	1407301310A	m,p-Xylenes	ND	ug/L	2.0	0.33		
7/30/2014	8260C	1407301310A	Propionitrile	ND	ug/L	5.0	3.1		
7/30/2014	8260C	1407301310A	Methylcyclohexane	ND	ug/L	10	0.27		
7/30/2014	8260C	1407301310A	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
7/30/2014	8260C	1407301310A	Methyl Methacrylate	ND	ug/L	2.0	0.62		
7/30/2014	8260C	1407301310A	Methacrylonitrile	ND	ug/L	5.0	0.50		
7/30/2014	8260C	1407301310A	Iodomethane	ND	ug/L	5.0	0.98		
7/30/2014	8260C	1407301310A	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
7/30/2014	8260C	1407301310A	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
7/30/2014	300.0	1407301312A	Chloride	265	mg/L	8.0	1.2		
7/30/2014	353.2	1407301313A	Nitrate+Nitrite as Nitrogen	12.8	mg/L	0.50	0.02		
11/20/2014	8260C	1411201445C	Dibromomethane	ND	ug/L	1.0	0.32		
11/20/2014	8260C	1411201445C	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
11/20/2014	8260C	1411201445C	Methyl Methacrylate	ND	ug/L	2.0	0.62		
11/20/2014	8260C	1411201445C	Methacrylonitrile	ND	ug/L	5.0	0.50		
11/20/2014	8260C	1411201445C	Iodomethane	ND	ug/L	5.0	0.98		
11/20/2014	8260C	1411201445C	Ethylbenzene	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
11/20/2014	8260C	1411201445C	Dichloromethane	ND	ug/L	1.0	0.32		
11/20/2014	8260C	1411201445C	Methylcyclohexane	ND	ug/L	10	0.27		
11/20/2014	8260C	1411201445C	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
11/20/2014	8260C	1411201445C	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
11/20/2014	8260C	1411201445C	Dibromochloromethane	ND	ug/L	1.0	0.31		
11/20/2014	8260C	1411201445C	Cyclohexane	ND	ug/L	10	0.25		
11/20/2014	8260C	1411201445C	Chloromethane	ND	ug/L	2.0	0.21		
11/20/2014	8260C	1411201445C	Chloroform	0.56	ug/L	1.0	0.25		J
11/20/2014	8260C	1411201445C	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
11/20/2014	8260C	1411201445C	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
11/20/2014	8260C	1411201445C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.39	ug/L	1.0	0.21		J
11/20/2014	8260C	1411201445C	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
11/20/2014	8260C	1411201445C	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
11/20/2014	8260C	1411201445C	o-Xylene	ND	ug/L	1.0	0.20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
11/20/2014	8260C	1411201445C	Propionitrile	ND	ug/L	5.0	3.1		
11/20/2014	8260C	1411201445C	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
11/20/2014	8260C	1411201445C	Chloroethane	ND	ug/L	2.0	0.24		
11/20/2014	8260C	1411201445C	Vinyl Chloride	ND	ug/L	1.0	0.32		
11/20/2014	8260C	1411201445C	Vinyl Acetate	ND	ug/L	5.0	1.1		
11/20/2014	8260C	1411201445C	Trichlorofluoromethane (CFC 11)	0.23	ug/L	1.0	0.20		J
11/20/2014	8260C	1411201445C	Trichloroethene (TCE)	65	ug/L	1.0	0.22		
11/20/2014	8260C	1411201445C	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
11/20/2014	8260C	1411201445C	Styrene	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	m,p-Xylenes	ND	ug/L	2.0	0.33		
11/20/2014	8260C	1411201445C	1,1,2-Trichloro-1,2,2-Trifluoroethane	13	ug/L	1.0	0.31		
11/20/2014	8260C	1411201445C	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
11/20/2014	8260C	1411201445C	1,4-Dioxane	ND	ug/L	100	20		
11/20/2014	8260C	1411201445C	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
11/20/2014	8260C	1411201445C	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
11/20/2014	8260C	1411201445C	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
11/20/2014	8260C	1411201445C	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
11/20/2014	8260C	1411201445C	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
11/20/2014	8260C	1411201445C	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
11/20/2014	8260C	1411201445C	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
11/20/2014	8260C	1411201445C	Chlorobenzene	ND	ug/L	1.0	0.29		
11/20/2014	8260C	1411201445C	Toluene	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
11/20/2014	8260C	1411201445C	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
11/20/2014	8260C	1411201445C	Acetone	ND	ug/L	10	1.3		
11/20/2014	8260C	1411201445C	Bromoform	ND	ug/L	1.0	0.42		
11/20/2014	8260C	1411201445C	Bromodichloromethane	ND	ug/L	1.0	0.32		
11/20/2014	8260C	1411201445C	Benzene	ND	ug/L	1.0	0.20		
11/20/2014	8260C	1411201445C	Acrylonitrile	ND	ug/L	5.0	1.4		
11/20/2014	8260C	1411201445C	Acrolein	ND	ug/L	10	3.0		
11/20/2014	8260C	1411201445C	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
11/20/2014	8260C	1411201445C	1,1-Dichloroethene	ND	ug/L	1.0	0.57		
11/20/2014	8260C	1411201445C	Bromomethane	ND	ug/L	2.0	0.29		
11/20/2014	8260C	1411201445C	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
11/20/2014	8260C	1411201445C	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
11/20/2014	8260C	1411201445C	2-Propanol	ND	ug/L	50	8.6		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
11/20/2014	8260C	1411201445C	Carbon Disulfide	ND	ug/L	1.0	0.22		
11/20/2014	8260C	1411201445C	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
11/20/2014	8260C	1411201445C	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
11/20/2014	8260C	1411201445C	2-Hexanone	ND	ug/L	5.0	1.7		
11/20/2014	8260C	1411201445C	Acetonitrile	ND	ug/L	25	4.7		
11/20/2014	300.0	1411201446C	Chloride	282	mg/L	20	3		
11/20/2014	353.2	1411201447C	Nitrate+Nitrite as Nitrogen	12.6	mg/L	0.50	0.02		
1/28/2015	8260C	1501281440A	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
1/28/2015	8260C	1501281440A	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
1/28/2015	8260C	1501281440A	Acetone	ND	ug/L	10	1.3		
1/28/2015	8260C	1501281440A	Acetonitrile	ND	ug/L	25	4.7		
1/28/2015	8260C	1501281440A	Acrolein	ND	ug/L	10	3.0		
1/28/2015	8260C	1501281440A	Acrylonitrile	ND	ug/L	5.0	1.4		
1/28/2015	8260C	1501281440A	Benzene	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	Bromodichloromethane	ND	ug/L	1.0	0.32		
1/28/2015	8260C	1501281440A	Bromomethane	ND	ug/L	2.0	0.29		
1/28/2015	8260C	1501281440A	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
1/28/2015	8260C	1501281440A	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
1/28/2015	8260C	1501281440A	Chlorobenzene	ND	ug/L	1.0	0.29		
1/28/2015	8260C	1501281440A	Chloroethane	ND	ug/L	2.0	0.24		
1/28/2015	8260C	1501281440A	Chloroform	0.83	ug/L	1.0	0.25		J
1/28/2015	8260C	1501281440A	Cyclohexane	ND	ug/L	10	0.25		
1/28/2015	8260C	1501281440A	Chloromethane	ND	ug/L	2.0	0.21		
1/28/2015	8260C	1501281440A	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
1/28/2015	8260C	1501281440A	Dibromochloromethane	ND	ug/L	1.0	0.31		
1/28/2015	8260C	1501281440A	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
1/28/2015	8260C	1501281440A	Carbon Disulfide	ND	ug/L	1.0	0.22		
1/28/2015	8260C	1501281440A	Dibromomethane	ND	ug/L	1.0	0.32		
1/28/2015	8260C	1501281440A	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
1/28/2015	8260C	1501281440A	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
1/28/2015	8260C	1501281440A	1,1,2-Trichloro-1,2,2-Trifluoroethane	45	ug/L	1.0	0.31		
1/28/2015	8260C	1501281440A	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	1,1-Dichloroethene	0.9	ug/L	1.0	0.57		J
1/28/2015	8260C	1501281440A	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
1/28/2015	8260C	1501281440A	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
1/28/2015	8260C	1501281440A	2-Propanol	ND	ug/L	50	8.6		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/28/2015	8260C	1501281440A	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
1/28/2015	8260C	1501281440A	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	1,4-Dioxane	ND	ug/L	100	20		
1/28/2015	8260C	1501281440A	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
1/28/2015	8260C	1501281440A	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
1/28/2015	8260C	1501281440A	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
1/28/2015	8260C	1501281440A	2-Hexanone	ND	ug/L	5.0	1.7		
1/28/2015	8260C	1501281440A	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
1/28/2015	8260C	1501281440A	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
1/28/2015	8260C	1501281440A	Propionitrile	ND	ug/L	5.0	3.1		
1/28/2015	8260C	1501281440A	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
1/28/2015	8260C	1501281440A	o-Xylene	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	m,p-Xylenes	ND	ug/L	2.0	0.33		
1/28/2015	8260C	1501281440A	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
1/28/2015	8260C	1501281440A	Vinyl Chloride	ND	ug/L	1.0	0.32		
1/28/2015	8260C	1501281440A	Trichlorofluoromethane (CFC 11)	0.65	ug/L	1.0	0.20		J
1/28/2015	8260C	1501281440A	Trichloroethene (TCE)	110	ug/L	1.0	0.22		
1/28/2015	8260C	1501281440A	Toluene	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
1/28/2015	8260C	1501281440A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1	ug/L	1.0	0.21		
1/28/2015	8260C	1501281440A	Styrene	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
1/28/2015	8260C	1501281440A	Methylcyclohexane	ND	ug/L	10	0.27		
1/28/2015	8260C	1501281440A	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
1/28/2015	8260C	1501281440A	Methyl Methacrylate	ND	ug/L	2.0	0.62		
1/28/2015	8260C	1501281440A	Methacrylonitrile	ND	ug/L	5.0	0.50		
1/28/2015	8260C	1501281440A	Iodomethane	ND	ug/L	5.0	0.98		
1/28/2015	8260C	1501281440A	Ethylbenzene	ND	ug/L	1.0	0.20		
1/28/2015	8260C	1501281440A	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
1/28/2015	8260C	1501281440A	Dichloromethane	ND	ug/L	1.0	0.60		
1/28/2015	8260C	1501281440A	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
1/28/2015	8260C	1501281440A	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
1/28/2015	8260C	1501281440A	Bromoform	ND	ug/L	1.0	0.42		
1/28/2015	8260C	1501281440A	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
1/28/2015	8260C	1501281440A	Vinyl Acetate	ND	ug/L	5.0	1.1		
1/28/2015	300.0	1501281443A	Chloride	221	mg/L	20	3		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/28/2015	353.2	1501281444A	Nitrate+Nitrite as Nitrogen	11.3	mg/L	0.50	0.02		
4/16/2015	8260C	1504161450B	Bromodichloromethane	ND	ug/L	1.0	0.32		
4/16/2015	8260C	1504161450B	Dichloromethane	ND	ug/L	1.0	0.60		
4/16/2015	8260C	1504161450B	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
4/16/2015	8260C	1504161450B	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
4/16/2015	8260C	1504161450B	Dibromomethane	ND	ug/L	1.0	0.32		
4/16/2015	8260C	1504161450B	Chloromethane	ND	ug/L	2.0	0.21		
4/16/2015	8260C	1504161450B	Chloroform	0.54	ug/L	1.0	0.25		J
4/16/2015	8260C	1504161450B	Chloroethane	ND	ug/L	2.0	0.24		
4/16/2015	8260C	1504161450B	Chlorobenzene	ND	ug/L	1.0	0.29		
4/16/2015	8260C	1504161450B	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
4/16/2015	8260C	1504161450B	Carbon Disulfide	ND	ug/L	1.0	0.22		
4/16/2015	8260C	1504161450B	Bromoform	ND	ug/L	1.0	0.42		
4/16/2015	8260C	1504161450B	Iodomethane	ND	ug/L	5.0	0.98		
4/16/2015	8260C	1504161450B	Benzene	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	Acrylonitrile	ND	ug/L	5.0	1.4		
4/16/2015	8260C	1504161450B	Acrolein	ND	ug/L	10	3.0		
4/16/2015	8260C	1504161450B	Acetonitrile	ND	ug/L	25	4.7		
4/16/2015	8260C	1504161450B	Acetone	ND	ug/L	10	1.3		
4/16/2015	8260C	1504161450B	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
4/16/2015	8260C	1504161450B	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
4/16/2015	8260C	1504161450B	2-Propanol	ND	ug/L	50	8.6		
4/16/2015	8260C	1504161450B	Dibromochloromethane	ND	ug/L	1.0	0.31		
4/16/2015	8260C	1504161450B	2-Hexanone	ND	ug/L	5.0	1.7		
4/16/2015	8260C	1504161450B	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
4/16/2015	8260C	1504161450B	Bromomethane	0.29	ug/L	2.0	0.29		J
4/16/2015	8260C	1504161450B	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
4/16/2015	8260C	1504161450B	m,p-Xylenes	ND	ug/L	2.0	0.33		
4/16/2015	8260C	1504161450B	o-Xylene	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
4/16/2015	8260C	1504161450B	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
4/16/2015	8260C	1504161450B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.63	ug/L	1.0	0.21		J
4/16/2015	8260C	1504161450B	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
4/16/2015	8260C	1504161450B	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
4/16/2015	8260C	1504161450B	Vinyl Chloride	ND	ug/L	1.0	0.32		
4/16/2015	8260C	1504161450B	Vinyl Acetate	ND	ug/L	5.0	1.1		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
4/16/2015	8260C	1504161450B	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
4/16/2015	8260C	1504161450B	Trichlorofluoromethane (CFC 11)	0.31	ug/L	1.0	0.20		J
4/16/2015	8260C	1504161450B	Ethylbenzene	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	Trichloroethene (TCE)	82	ug/L	1.0	0.22		
4/16/2015	8260C	1504161450B	Toluene	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
4/16/2015	8260C	1504161450B	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
4/16/2015	8260C	1504161450B	Styrene	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	Propionitrile	ND	ug/L	5.0	3.1		
4/16/2015	8260C	1504161450B	Methylcyclohexane	ND	ug/L	10	0.27		
4/16/2015	8260C	1504161450B	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
4/16/2015	8260C	1504161450B	Methyl Methacrylate	ND	ug/L	2.0	0.62		
4/16/2015	8260C	1504161450B	Methacrylonitrile	ND	ug/L	5.0	0.50		
4/16/2015	8260C	1504161450B	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
4/16/2015	8260C	1504161450B	1,1-Dichloroethene	ND	ug/L	1.0	0.57		
4/16/2015	8260C	1504161450B	Cyclohexane	ND	ug/L	10	0.25		
4/16/2015	8260C	1504161450B	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
4/16/2015	8260C	1504161450B	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
4/16/2015	8260C	1504161450B	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
4/16/2015	8260C	1504161450B	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	1,4-Dioxane	ND	ug/L	100	20		
4/16/2015	8260C	1504161450B	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
4/16/2015	8260C	1504161450B	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
4/16/2015	8260C	1504161450B	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
4/16/2015	8260C	1504161450B	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
4/16/2015	8260C	1504161450B	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
4/16/2015	8260C	1504161450B	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
4/16/2015	8260C	1504161450B	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
4/16/2015	8260C	1504161450B	1,1,2-Trichloro-1,2,2-Trifluoroethane	23	ug/L	1.0	0.31		
4/16/2015	TAP 01-040	1504161452B	Bromacil	20	ug/L	0.038	0.019	91	
4/16/2015	TAP 01-040	1504161452B	N-Nitrodimethylamine	ND	ug/L	0.038	0.019	94	
4/16/2015	TAP 01-040	1504161452B	N-Nitrosodimethylamine	ND	ug/L	0.038	0.019	63	
4/16/2015	300.0	1504161453B	Chloride	226	mg/L	8.0	1.2		
4/16/2015	353.2	1504161454B	Nitrate+Nitrite as Nitrogen	11.8	mg/L	0.50	0.02		
8/4/2015	8260C	1508041315B	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
8/4/2015	8260C	1508041315B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.1	ug/L	1.0	0.21		
8/4/2015	8260C	1508041315B	Benzene	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
8/4/2015	8260C	1508041315B	Acrolein	ND	ug/L	10	3.0		
8/4/2015	8260C	1508041315B	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
8/4/2015	8260C	1508041315B	Acetonitrile	ND	ug/L	25	4.7		
8/4/2015	8260C	1508041315B	Acrylonitrile	ND	ug/L	5.0	1.4		
8/4/2015	8260C	1508041315B	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
8/4/2015	8260C	1508041315B	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
8/4/2015	8260C	1508041315B	1,1,2-Trichloro-1,2,2-Trifluoroethane	40	ug/L	1.0	0.31		
8/4/2015	8260C	1508041315B	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	1,1-Dichloroethene	0.81	ug/L	1.0	0.57		J
8/4/2015	8260C	1508041315B	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
8/4/2015	8260C	1508041315B	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
8/4/2015	8260C	1508041315B	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
8/4/2015	8260C	1508041315B	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
8/4/2015	8260C	1508041315B	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
8/4/2015	8260C	1508041315B	1,4-Dioxane	ND	ug/L	100	20		
8/4/2015	8260C	1508041315B	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
8/4/2015	8260C	1508041315B	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
8/4/2015	8260C	1508041315B	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
8/4/2015	8260C	1508041315B	2-Hexanone	ND	ug/L	5.0	1.7		
8/4/2015	8260C	1508041315B	2-Propanol	ND	ug/L	50	8.6		
8/4/2015	8260C	1508041315B	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
8/4/2015	8260C	1508041315B	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
8/4/2015	8260C	1508041315B	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
8/4/2015	8260C	1508041315B	m,p-Xylenes	ND	ug/L	2.0	0.33		
8/4/2015	8260C	1508041315B	Dichloromethane	ND	ug/L	1.0	0.60		
8/4/2015	8260C	1508041315B	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
8/4/2015	8260C	1508041315B	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
8/4/2015	8260C	1508041315B	Dibromomethane	ND	ug/L	1.0	0.32		
8/4/2015	8260C	1508041315B	Dibromochloromethane	ND	ug/L	1.0	0.31		
8/4/2015	8260C	1508041315B	Cyclohexane	ND	ug/L	10	0.25		
8/4/2015	8260C	1508041315B	Ethylbenzene	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	Chloroform	0.77	ug/L	1.0	0.25		J
8/4/2015	8260C	1508041315B	Iodomethane	ND	ug/L	5.0	0.98		
8/4/2015	8260C	1508041315B	Chloroethane	ND	ug/L	2.0	0.24		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
8/4/2015	8260C	1508041315B	Chlorobenzene	ND	ug/L	1.0	0.29		
8/4/2015	8260C	1508041315B	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
8/4/2015	8260C	1508041315B	Carbon Disulfide	ND	ug/L	1.0	0.22		
8/4/2015	8260C	1508041315B	Bromomethane	ND	ug/L	2.0	0.29		
8/4/2015	8260C	1508041315B	Bromoform	ND	ug/L	1.0	0.42		
8/4/2015	8260C	1508041315B	Bromodichloromethane	ND	ug/L	1.0	0.32		
8/4/2015	8260C	1508041315B	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
8/4/2015	8260C	1508041315B	Chloromethane	ND	ug/L	2.0	0.21		
8/4/2015	8260C	1508041315B	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
8/4/2015	8260C	1508041315B	o-Xylene	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
8/4/2015	8260C	1508041315B	Vinyl Chloride	ND	ug/L	1.0	0.32		
8/4/2015	8260C	1508041315B	Vinyl Acetate	ND	ug/L	5.0	1.1		
8/4/2015	8260C	1508041315B	Trichlorofluoromethane (CFC 11)	0.66	ug/L	1.0	0.20		J
8/4/2015	8260C	1508041315B	Trichloroethene (TCE)	99	ug/L	1.0	0.22		
8/4/2015	8260C	1508041315B	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
8/4/2015	8260C	1508041315B	Toluene	0.73	ug/L	1.0	0.20		J
8/4/2015	8260C	1508041315B	Acetone	ND	ug/L	10	1.3		
8/4/2015	8260C	1508041315B	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
8/4/2015	8260C	1508041315B	Styrene	ND	ug/L	1.0	0.20		
8/4/2015	8260C	1508041315B	Propionitrile	ND	ug/L	5.0	3.1		
8/4/2015	8260C	1508041315B	Methylcyclohexane	ND	ug/L	10	0.27		
8/4/2015	8260C	1508041315B	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
8/4/2015	8260C	1508041315B	Methyl Methacrylate	ND	ug/L	2.0	0.62		
8/4/2015	8260C	1508041315B	Methacrylonitrile	ND	ug/L	5.0	0.50		
8/4/2015	300.0	1508041317B	Chloride	238	mg/L	8.0	4.0		
8/4/2015	353.2	1508041318B	Nitrate+Nitrite as Nitrogen	11.2	mg/L	0.50	0.12		
10/22/2015	8260C	1510221430B	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
10/22/2015	8260C	1510221430B	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
10/22/2015	8260C	1510221430B	Chloromethane	ND	ug/L	2.0	0.21		
10/22/2015	8260C	1510221430B	Methylcyclohexane	ND	ug/L	10	0.27		
10/22/2015	8260C	1510221430B	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
10/22/2015	8260C	1510221430B	Methyl Methacrylate	ND	ug/L	2.0	0.62		
10/22/2015	8260C	1510221430B	Methacrylonitrile	ND	ug/L	5.0	0.50		
10/22/2015	8260C	1510221430B	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
10/22/2015	8260C	1510221430B	Ethylbenzene	ND	ug/L	1.0	0.20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
10/22/2015	8260C	1510221430B	Toluene	0.69	ug/L	1.0	0.20		J
10/22/2015	8260C	1510221430B	Dichloromethane	ND	ug/L	1.0	0.60		
10/22/2015	8260C	1510221430B	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
10/22/2015	8260C	1510221430B	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
10/22/2015	8260C	1510221430B	Dibromomethane	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221430B	Dibromochloromethane	ND	ug/L	1.0	0.31		
10/22/2015	8260C	1510221430B	Cyclohexane	ND	ug/L	10	0.25		
10/22/2015	8260C	1510221430B	Iodomethane	ND	ug/L	5.0	0.98		
10/22/2015	8260C	1510221430B	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
10/22/2015	8260C	1510221430B	Vinyl Chloride	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221430B	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
10/22/2015	8260C	1510221430B	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
10/22/2015	8260C	1510221430B	Unknown	5.8	ug/L	NA	NA		TIC RB FB
10/22/2015	8260C	1510221430B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.65	ug/L	1.0	0.21		J
10/22/2015	8260C	1510221430B	Propionitrile	ND	ug/L	5.0	3.1		
10/22/2015	8260C	1510221430B	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221430B	Styrene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221430B	o-Xylene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221430B	m,p-Xylenes	ND	ug/L	2.0	0.33		
10/22/2015	8260C	1510221430B	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
10/22/2015	8260C	1510221430B	Vinyl Acetate	ND	ug/L	5.0	1.1		
10/22/2015	8260C	1510221430B	Trichlorofluoromethane (CFC 11)	0.37	ug/L	1.0	0.20		J
10/22/2015	8260C	1510221430B	Trichloroethene (TCE)	63	ug/L	1.0	0.22		
10/22/2015	8260C	1510221430B	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
10/22/2015	8260C	1510221430B	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
10/22/2015	8260C	1510221430B	2-Hexanone	ND	ug/L	5.0	1.7		
10/22/2015	8260C	1510221430B	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
10/22/2015	8260C	1510221430B	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
10/22/2015	8260C	1510221430B	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221430B	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
10/22/2015	8260C	1510221430B	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221430B	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
10/22/2015	8260C	1510221430B	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
10/22/2015	8260C	1510221430B	1,4-Dioxane	ND	ug/L	100	20		
10/22/2015	8260C	1510221430B	1,1-Dichloroethene	0.65	ug/L	1.0	0.57		J
10/22/2015	8260C	1510221430B	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221430B	1,1,2-Trichloro-1,2,2-Trifluoroethane	24	ug/L	1.0	0.31		
10/22/2015	8260C	1510221430B	Chloroform	0.7	ug/L	1.0	0.25		J

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
10/22/2015	8260C	1510221430B	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
10/22/2015	8260C	1510221430B	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
10/22/2015	8260C	1510221430B	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
10/22/2015	8260C	1510221430B	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
10/22/2015	8260C	1510221430B	Chloroethane	ND	ug/L	2.0	0.24		
10/22/2015	8260C	1510221430B	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
10/22/2015	8260C	1510221430B	Chlorobenzene	ND	ug/L	1.0	0.29		
10/22/2015	8260C	1510221430B	Carbon Disulfide	ND	ug/L	1.0	0.22		
10/22/2015	8260C	1510221430B	Bromomethane	ND	ug/L	2.0	0.29		
10/22/2015	8260C	1510221430B	Bromoform	ND	ug/L	1.0	0.42		
10/22/2015	8260C	1510221430B	Bromodichloromethane	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221430B	Benzene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221430B	Acrolein	ND	ug/L	10	3.0		
10/22/2015	8260C	1510221430B	Acetonitrile	ND	ug/L	25	4.7		
10/22/2015	8260C	1510221430B	Acetone	ND	ug/L	10	1.3		
10/22/2015	8260C	1510221430B	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
10/22/2015	8260C	1510221430B	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
10/22/2015	8260C	1510221430B	2-Propanol	ND	ug/L	50	8.6		
10/22/2015	8260C	1510221430B	Acrylonitrile	ND	ug/L	5.0	1.4		
10/22/2015	8260C	1510221434B	Dibromomethane	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221434B	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
10/22/2015	8260C	1510221434B	Styrene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	Propionitrile	ND	ug/L	5.0	3.1		
10/22/2015	8260C	1510221434B	Methylcyclohexane	ND	ug/L	10	0.27		
10/22/2015	8260C	1510221434B	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
10/22/2015	8260C	1510221434B	Methyl Methacrylate	ND	ug/L	2.0	0.62		
10/22/2015	8260C	1510221434B	Methacrylonitrile	ND	ug/L	5.0	0.50		
10/22/2015	8260C	1510221434B	Iodomethane	ND	ug/L	5.0	0.98		
10/22/2015	8260C	1510221434B	Ethylbenzene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
10/22/2015	8260C	1510221434B	Dichloromethane	ND	ug/L	1.0	0.60		
10/22/2015	8260C	1510221434B	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
10/22/2015	8260C	1510221434B	Dibromochloromethane	ND	ug/L	1.0	0.31		
10/22/2015	8260C	1510221434B	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
10/22/2015	8260C	1510221434B	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
10/22/2015	8260C	1510221434B	m,p-Xylenes	ND	ug/L	2.0	0.33		
10/22/2015	8260C	1510221434B	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
10/22/2015	8260C	1510221434B	Cyclohexane	ND	ug/L	10	0.25		
10/22/2015	8260C	1510221434B	Unknown	5.2	ug/L	NA	NA		TIC RB FB
10/22/2015	8260C	1510221434B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.71	ug/L	1.0	0.21		J
10/22/2015	8260C	1510221434B	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
10/22/2015	8260C	1510221434B	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	Unknown	9.3	ug/L	NA	NA		TIC
10/22/2015	8260C	1510221434B	o-Xylene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	Toluene	0.71	ug/L	1.0	0.20		J
10/22/2015	8260C	1510221434B	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
10/22/2015	8260C	1510221434B	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
10/22/2015	8260C	1510221434B	Vinyl Chloride	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221434B	Vinyl Acetate	ND	ug/L	5.0	1.1		
10/22/2015	8260C	1510221434B	Trichlorofluoromethane (CFC 11)	0.33	ug/L	1.0	0.20		J
10/22/2015	8260C	1510221434B	Trichloroethene (TCE)	63	ug/L	1.0	0.22		
10/22/2015	8260C	1510221434B	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
10/22/2015	8260C	1510221434B	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
10/22/2015	8260C	1510221434B	2-Hexanone	ND	ug/L	5.0	1.7		
10/22/2015	8260C	1510221434B	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
10/22/2015	8260C	1510221434B	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221434B	1,4-Dioxane	ND	ug/L	100	20		
10/22/2015	8260C	1510221434B	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	Chloromethane	ND	ug/L	2.0	0.21		
10/22/2015	8260C	1510221434B	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
10/22/2015	8260C	1510221434B	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
10/22/2015	8260C	1510221434B	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
10/22/2015	8260C	1510221434B	1,1-Dichloroethene	0.66	ug/L	1.0	0.57		J
10/22/2015	8260C	1510221434B	1,1,2-Trichloro-1,2,2-Trifluoroethane	23	ug/L	1.0	0.31		
10/22/2015	8260C	1510221434B	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
10/22/2015	8260C	1510221434B	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
10/22/2015	8260C	1510221434B	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
10/22/2015	8260C	1510221434B	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
10/22/2015	8260C	1510221434B	Bromoform	ND	ug/L	1.0	0.42		
10/22/2015	8260C	1510221434B	Chloroform	0.64	ug/L	1.0	0.25		J
10/22/2015	8260C	1510221434B	Chloroethane	ND	ug/L	2.0	0.24		
10/22/2015	8260C	1510221434B	Chlorobenzene	ND	ug/L	1.0	0.29		
10/22/2015	8260C	1510221434B	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
10/22/2015	8260C	1510221434B	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
10/22/2015	8260C	1510221434B	Bromomethane	ND	ug/L	2.0	0.29		
10/22/2015	8260C	1510221434B	2-Propanol	ND	ug/L	50	8.6		
10/22/2015	8260C	1510221434B	Bromodichloromethane	ND	ug/L	1.0	0.32		
10/22/2015	8260C	1510221434B	Benzene	ND	ug/L	1.0	0.20		
10/22/2015	8260C	1510221434B	Acrylonitrile	ND	ug/L	5.0	1.4		
10/22/2015	8260C	1510221434B	Acrolein	ND	ug/L	10	3.0		
10/22/2015	8260C	1510221434B	Acetonitrile	ND	ug/L	25	4.7		
10/22/2015	8260C	1510221434B	Acetone	ND	ug/L	10	1.3		
10/22/2015	8260C	1510221434B	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
10/22/2015	8260C	1510221434B	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	2.0	0.26		
10/22/2015	8260C	1510221434B	Carbon Disulfide	ND	ug/L	1.0	0.22		
10/22/2015	300.0	1510221436B	Chloride	233	mg/L	8.0	4.0		
10/22/2015	353.2	1510221438B	Nitrate+Nitrite as Nitrogen	11.1	mg/L	0.50	0.03		
1/20/2016	8260C	1601201445A	Bromodichloromethane	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201445A	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
1/20/2016	8260C	1601201445A	Chloromethane	ND	ug/L	2.0	0.21		
1/20/2016	8260C	1601201445A	Methylcyclohexane	ND	ug/L	10	0.27		
1/20/2016	8260C	1601201445A	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
1/20/2016	8260C	1601201445A	Methyl Methacrylate	ND	ug/L	2.0	0.62		
1/20/2016	8260C	1601201445A	Methacrylonitrile	ND	ug/L	5.0	0.50		
1/20/2016	8260C	1601201445A	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
1/20/2016	8260C	1601201445A	Ethylbenzene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201445A	Toluene	0.41	ug/L	1.0	0.20		J
1/20/2016	8260C	1601201445A	Dichloromethane	ND	ug/L	1.0	0.60		
1/20/2016	8260C	1601201445A	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
1/20/2016	8260C	1601201445A	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
1/20/2016	8260C	1601201445A	Dibromomethane	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201445A	Dibromochloromethane	ND	ug/L	1.0	0.31		
1/20/2016	8260C	1601201445A	Cyclohexane	ND	ug/L	10	0.25		
1/20/2016	8260C	1601201445A	Iodomethane	ND	ug/L	5.0	0.98		
1/20/2016	8260C	1601201445A	m,p-Xylenes	ND	ug/L	2.0	0.33		
1/20/2016	8260C	1601201445A	Acrylonitrile	ND	ug/L	5.0	1.4		
1/20/2016	8260C	1601201445A	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
1/20/2016	8260C	1601201445A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.69	ug/L	1.0	0.21		J
1/20/2016	8260C	1601201445A	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
1/20/2016	8260C	1601201445A	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/20/2016	8260C	1601201445A	Propionitrile	ND	ug/L	5.0	3.1		
1/20/2016	8260C	1601201445A	o-Xylene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201445A	Styrene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201445A	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
1/20/2016	8260C	1601201445A	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
1/20/2016	8260C	1601201445A	Vinyl Chloride	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201445A	Vinyl Acetate	ND	ug/L	5.0	1.1		
1/20/2016	8260C	1601201445A	Trichlorofluoromethane (CFC 11)	0.34	ug/L	1.0	0.20		J
1/20/2016	8260C	1601201445A	Trichloroethene (TCE)	65	ug/L	1.0	0.22		
1/20/2016	8260C	1601201445A	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
1/20/2016	8260C	1601201445A	1,1-Dichloroethene	ND	ug/L	1.0	0.57		
1/20/2016	8260C	1601201445A	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
1/20/2016	8260C	1601201445A	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201445A	1,4-Dioxane	ND	ug/L	100	20		
1/20/2016	8260C	1601201445A	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
1/20/2016	8260C	1601201445A	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
1/20/2016	8260C	1601201445A	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
1/20/2016	8260C	1601201445A	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
1/20/2016	8260C	1601201445A	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201445A	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201445A	1,1,2-Trichloro-1,2,2-Trifluoroethane	21	ug/L	1.0	0.31		
1/20/2016	8260C	1601201445A	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
1/20/2016	8260C	1601201445A	Chloroform	0.7	ug/L	1.0	0.25		J
1/20/2016	8260C	1601201445A	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
1/20/2016	8260C	1601201445A	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
1/20/2016	8260C	1601201445A	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		
1/20/2016	8260C	1601201445A	Carbon Disulfide	ND	ug/L	1.0	0.22		
1/20/2016	8260C	1601201445A	Chloroethane	ND	ug/L	2.0	0.24		
1/20/2016	8260C	1601201445A	Chlorobenzene	ND	ug/L	1.0	0.29		
1/20/2016	8260C	1601201445A	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
1/20/2016	8260C	1601201445A	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
1/20/2016	8260C	1601201445A	2-Hexanone	ND	ug/L	5.0	1.7		
1/20/2016	8260C	1601201445A	Bromomethane	ND	ug/L	2.0	0.29		
1/20/2016	8260C	1601201445A	Bromoform	ND	ug/L	1.0	0.42		
1/20/2016	8260C	1601201445A	Benzene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201445A	Acrolein	ND	ug/L	10	3.0		
1/20/2016	8260C	1601201445A	Acetone	ND	ug/L	10	1.3		
1/20/2016	8260C	1601201445A	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/20/2016	8260C	1601201445A	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	3.0	0.26		
1/20/2016	8260C	1601201445A	2-Propanol	ND	ug/L	50	8.6		
1/20/2016	8260C	1601201445A	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
1/20/2016	8260C	1601201445A	Acetonitrile	ND	ug/L	25	4.7		
1/20/2016	8260C	1601201446A	Dichlorodifluoromethane (CFC 12)	ND	ug/L	1.0	0.46		
1/20/2016	8260C	1601201446A	Propionitrile	ND	ug/L	5.0	3.1		
1/20/2016	8260C	1601201446A	Methylcyclohexane	ND	ug/L	10	0.27		
1/20/2016	8260C	1601201446A	Methyl tert-Butyl Ether	ND	ug/L	10	0.29		
1/20/2016	8260C	1601201446A	Methyl Methacrylate	ND	ug/L	2.0	0.62		
1/20/2016	8260C	1601201446A	Methacrylonitrile	ND	ug/L	5.0	0.50		
1/20/2016	8260C	1601201446A	Iodomethane	ND	ug/L	5.0	0.98		
1/20/2016	8260C	1601201446A	Ethylbenzene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	Ethyl Methacrylate	ND	ug/L	2.0	0.44		
1/20/2016	8260C	1601201446A	Dibromomethane	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201446A	Dichlorofluoromethane (CFC 21)	ND	ug/L	1.0	0.24		
1/20/2016	8260C	1601201446A	Dibromochloromethane	ND	ug/L	1.0	0.31		
1/20/2016	8260C	1601201446A	Cyclohexane	ND	ug/L	10	0.25		
1/20/2016	8260C	1601201446A	Styrene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	Dichloromethane	ND	ug/L	1.0	0.60		
1/20/2016	8260C	1601201446A	cis-1,2-Dichloroethene	ND	ug/L	1.0	0.30		
1/20/2016	8260C	1601201446A	1,1,1-Trichloroethane (TCA)	ND	ug/L	1.0	0.36		
1/20/2016	8260C	1601201446A	Chloromethane	ND	ug/L	2.0	0.21		
1/20/2016	8260C	1601201446A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.73	ug/L	1.0	0.21		J
1/20/2016	8260C	1601201446A	trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	trans-1,2-Dichloroethene	ND	ug/L	1.0	0.33		
1/20/2016	8260C	1601201446A	o-Xylene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	0.70		
1/20/2016	8260C	1601201446A	cis-1,3-Dichloropropene	ND	ug/L	1.0	0.24		
1/20/2016	8260C	1601201446A	Tetrachloroethene (PCE)	ND	ug/L	1.0	0.30		
1/20/2016	8260C	1601201446A	Vinyl Chloride	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201446A	Vinyl Acetate	ND	ug/L	5.0	1.1		
1/20/2016	8260C	1601201446A	Trichlorofluoromethane (CFC 11)	0.3	ug/L	1.0	0.20		J
1/20/2016	8260C	1601201446A	Trichloroethene (TCE)	70	ug/L	1.0	0.22		
1/20/2016	8260C	1601201446A	Toluene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	Tetrahydrofuran (THF)	ND	ug/L	5.0	0.96		
1/20/2016	8260C	1601201446A	m,p-Xylenes	ND	ug/L	2.0	0.33		
1/20/2016	8260C	1601201446A	1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.0	0.74		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
1/20/2016	8260C	1601201446A	1,1,2-Trichloroethane	ND	ug/L	1.0	0.34		
1/20/2016	8260C	1601201446A	2-Butanone (MEK)	ND	ug/L	5.0	0.81		
1/20/2016	8260C	1601201446A	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201446A	1,4-Dioxane	ND	ug/L	100	20		
1/20/2016	8260C	1601201446A	1,2-Dichloropropane	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	2-Hexanone	ND	ug/L	5.0	1.7		
1/20/2016	8260C	1601201446A	1,2-Dibromoethane	ND	ug/L	1.0	0.24		
1/20/2016	8260C	1601201446A	2-Methyl-1-propanol (Isobutyl Alcohol)	ND	ug/L	100	11		
1/20/2016	8260C	1601201446A	1,2,3-Trichloropropane	ND	ug/L	1.0	0.70		
1/20/2016	8260C	1601201446A	1,1-Dichloroethene	0.58	ug/L	1.0	0.57		J
1/20/2016	8260C	1601201446A	1,1-Dichloroethane (1,1-DCA)	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	1,1,2-Trichloro-1,2,2-Trifluoroethane	22	ug/L	1.0	0.31		
1/20/2016	8260C	1601201446A	1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.25		
1/20/2016	8260C	1601201446A	1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22		
1/20/2016	8260C	1601201446A	1,2-Dichloroethane	ND	ug/L	1.0	0.36		
1/20/2016	8260C	1601201446A	Benzene	ND	ug/L	1.0	0.20		
1/20/2016	8260C	1601201446A	Chloroethane	ND	ug/L	2.0	0.24		
1/20/2016	8260C	1601201446A	Chlorobenzene	ND	ug/L	1.0	0.29		
1/20/2016	8260C	1601201446A	Carbon Tetrachloride	ND	ug/L	1.0	0.45		
1/20/2016	8260C	1601201446A	Carbon Disulfide	ND	ug/L	1.0	0.22		
1/20/2016	8260C	1601201446A	Bromomethane	ND	ug/L	2.0	0.29		
1/20/2016	8260C	1601201446A	2-Chloro-1,3-butadiene	ND	ug/L	1.0	0.27		
1/20/2016	8260C	1601201446A	Bromodichloromethane	ND	ug/L	1.0	0.32		
1/20/2016	8260C	1601201446A	Chloroform	0.73	ug/L	1.0	0.25		J
1/20/2016	8260C	1601201446A	Acrylonitrile	ND	ug/L	5.0	1.4		
1/20/2016	8260C	1601201446A	Acrolein	ND	ug/L	10	3.0		
1/20/2016	8260C	1601201446A	Acetonitrile	ND	ug/L	25	4.7		
1/20/2016	8260C	1601201446A	Acetone	ND	ug/L	10	1.3		
1/20/2016	8260C	1601201446A	4-Methyl-2-pentanone	ND	ug/L	5.0	0.67		
1/20/2016	8260C	1601201446A	3-Chloro-1-propene (Allyl Chloride)	ND	ug/L	3.0	0.26		
1/20/2016	8260C	1601201446A	2-Propanol	ND	ug/L	50	8.6		
1/20/2016	8260C	1601201446A	Bromoform	ND	ug/L	1.0	0.42		
1/20/2016	300.0	1601201449A	Chloride	232	mg/L	20	10		
1/20/2016	353.2	1601201450A	Nitrate+Nitrite as Nitrogen	10.1	mg/L	0.50	0.03		

Appendix B
Chemical Analytical Results for Soil Vapor Sampling at MSVM Well 600-SGW-5

Appendix B - Soil Gas Results

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **3/25/2013**

Sample **1303250821** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3.85	1.9	0.54	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.85	1.9	0.58	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.85	1.9	0.5	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3.85	1.9	0.54	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3.85	1.9	0.62	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.85	1.9	0.69	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3.85	1.9	0.58	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.85	1.9	0.58	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.85	1.9	0.62	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.85	1.9	0.54	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.85	1.9	0.54	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.85	1.9	0.58	
106-99-0	1,3-Butadiene	ND	ug/m3	3.85	1.9	0.62	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.85	1.9	0.54	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.85	1.9	0.58	
123-91-1	1,4-Dioxane	ND	ug/m3	3.85	1.9	0.54	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.85	1.9	0.5	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	12	ug/m3	3.85	19	0.77	J FB
591-78-6	2-Hexanone	3.2	ug/m3	3.85	1.9	0.73	FB
67-63-0	2-Propanol	1.5	ug/m3	3.85	3.9	1.3	J FB
107-05-1	3-Chloropropene	ND	ug/m3	3.85	1.9	0.54	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.85	1.9	0.58	
108-10-1	4-Methyl-2-pentanone	0.63	ug/m3	3.85	1.9	0.62	J FB
67-64-1	Acetone	37	ug/m3	3.85	19	4.2	FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.85	1.9	0.58	
71-43-2	Benzene	ND	ug/m3	3.85	1.9	0.54	
75-27-4	Bromodichloromethane	ND	ug/m3	3.85	1.9	0.58	
75-25-2	Bromoform	ND	ug/m3	3.85	1.9	0.62	
74-83-9	Bromomethane	ND	ug/m3	3.85	1.9	0.54	
75-15-0	Carbon Disulfide	ND	ug/m3	3.85	19	0.5	
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.85	1.9	0.58	
108-90-7	Chlorobenzene	ND	ug/m3	3.85	1.9	0.58	
75-00-3	Chloroethane	ND	ug/m3	3.85	1.9	0.54	
67-66-3	Chloroform	0.63	ug/m3	3.85	1.9	0.54	J
74-87-3	Chloromethane	ND	ug/m3	3.85	1.9	0.58	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.85	1.9	0.62	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.85	1.9	0.5	
98-82-8	Cumene	ND	ug/m3	3.85	1.9	0.54	
110-82-7	Cyclohexane	ND	ug/m3	3.85	3.9	1	

124-48-1	Dibromochloromethane	ND	ug/m3	3.85	1.9	0.58	
64-17-5	Ethanol	3.7	ug/m3	3.85	19	3.5	J FB
100-41-4	Ethyl Benzene	ND	ug/m3	3.85	1.9	0.58	
75-69-4	Freon 11	1.4	ug/m3	3.85	1.9	0.5	J FB
76-13-1	Freon 113	50	ug/m3	3.85	1.9	0.77	FB
76-14-2	Freon 114	ND	ug/m3	3.85	1.9	0.54	
75-71-8	Freon 12	2.4	ug/m3	3.85	1.9	0.54	FB
306-83-2	Freon 123	ND	ug/m3	3.85	1.9	0.92	
354-23-4	Freon 123a	ND	ug/m3	3.85	NA	NA	*
75-43-4	Freon 21	ND	ug/m3	3.85	1.9	0.92	
142-82-5	Heptane	1.1	ug/m3	3.85	1.9	0.54	J FB
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.85	1.9	0.54	
110-54-3	Hexane	ND	ug/m3	3.85	1.9	0.62	
1330-20-7	m,p-Xylene	ND	ug/m3	3.85	3.9	1.1	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.85	1.9	0.54	
75-09-2	Methylene Chloride	0.98	ug/m3	3.85	1.9	0.58	J RB
95-47-6	o-Xylene	ND	ug/m3	3.85	1.9	0.62	
103-65-1	Propylbenzene	ND	ug/m3	3.85	1.9	0.65	
100-42-5	Styrene	ND	ug/m3	3.85	1.9	0.58	
127-18-4	Tetrachloroethene	ND	ug/m3	3.85	1.9	0.46	
109-99-9	Tetrahydrofuran	ND	ug/m3	3.85	1.9	1	
108-88-3	Toluene	ND	ug/m3	3.85	1.9	0.54	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.85	1.9	0.58	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.85	1.9	0.5	
79-01-6	Trichloroethene	17	ug/m3	3.85	1.9	0.54	
75-01-4	Vinyl Chloride	ND	ug/m3	3.85	1.9	0.58	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **7/16/2013**

Sample **1307160740** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3.83	1.9	0.65	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.83	1.9	0.57	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.83	1.9	0.61	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3.83	1.9	0.61	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3.83	1.9	0.65	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.83	1.9	0.61	
95-63-6	1,2,4-Trimethylbenzene	0.72	ug/m3	3.83	1.9	0.57	J FB
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.83	1.9	0.61	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.83	1.9	0.57	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.83	1.9	0.61	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.83	1.9	0.61	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.83	1.9	0.61	
106-99-0	1,3-Butadiene	ND	ug/m3	3.83	1.9	0.84	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.83	1.9	0.57	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.83	1.9	0.54	

123-91-1	1,4-Dioxane	ND	ug/m3	3.83	1.9	0.61	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.83	1.9	0.57	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	17	ug/m3	3.83	19	0.80	J FB
591-78-6	2-Hexanone	1.9	ug/m3	3.83	1.9	0.61	J FB
67-63-0	2-Propanol	ND	ug/m3	3.83	3.8	1.6	
107-05-1	3-Chloropropene	ND	ug/m3	3.83	1.9	0.61	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.83	1.9	0.61	
108-10-1	4-Methyl-2-pentanone	0.68	ug/m3	3.83	1.9	0.61	J FB
67-64-1	Acetone	89	ug/m3	3.83	19	2.9	FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.83	1.9	0.42	
71-43-2	Benzene	ND	ug/m3	3.83	1.9	0.61	
75-27-4	Bromodichloromethane	ND	ug/m3	3.83	1.9	0.57	
75-25-2	Bromoform	ND	ug/m3	3.83	1.9	0.57	
74-83-9	Bromomethane	1.9	ug/m3	3.83	1.9	0.73	
75-15-0	Carbon Disulfide	2.1	ug/m3	3.83	19	0.57	J FB
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.83	1.9	0.57	
108-90-7	Chlorobenzene	ND	ug/m3	3.83	1.9	0.61	
75-00-3	Chloroethane	ND	ug/m3	3.83	1.9	0.65	
67-66-3	Chloroform	ND	ug/m3	3.83	1.9	0.65	
74-87-3	Chloromethane	1.9	ug/m3	3.83	1.9	0.57	J FB
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.83	1.9	0.61	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.83	1.9	0.54	
98-82-8	Cumene	ND	ug/m3	3.83	1.9	0.57	
110-82-7	Cyclohexane	ND	ug/m3	3.83	3.8	1.1	
124-48-1	Dibromochloromethane	ND	ug/m3	3.83	1.9	0.61	
64-17-5	Ethanol	5.6	ug/m3	3.83	19	3.1	J FB
100-41-4	Ethyl Benzene	ND	ug/m3	3.83	1.9	0.61	
75-69-4	Freon 11	2.7	ug/m3	3.83	1.9	0.65	A FB
76-13-1	Freon 113	61	ug/m3	3.83	1.9	0.65	FB
76-14-2	Freon 114	ND	ug/m3	3.83	1.9	0.73	
75-71-8	Freon 12	2.2	ug/m3	3.83	1.9	0.65	FB
306-83-2	Freon 123	ND	ug/m3	3.83	1.9	0.92	
354-23-4	Freon 123a	7.3	ug/m3	3.83	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	3.83	1.9	0.92	
142-82-5	Heptane	ND	ug/m3	3.83	1.9	0.65	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.83	1.9	0.54	
110-54-3	Hexane	ND	ug/m3	3.83	1.9	0.57	
179601-23-	m,p-Xylene	ND	ug/m3	3.83	3.8	1.1	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.83	1.9	0.65	
75-09-2	Methylene Chloride	ND	ug/m3	3.83	1.9	0.65	
95-47-6	o-Xylene	ND	ug/m3	3.83	1.9	0.57	
103-65-1	Propylbenzene	ND	ug/m3	3.83	1.9	0.61	
100-42-5	Styrene	ND	ug/m3	3.83	1.9	0.57	
127-18-4	Tetrachloroethene	ND	ug/m3	3.83	1.9	0.54	
109-99-9	Tetrahydrofuran	ND	ug/m3	3.83	1.9	0.77	
108-88-3	Toluene	ND	ug/m3	3.83	1.9	0.65	

156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.83	1.9	0.73
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.83	1.9	0.61
79-01-6	Trichloroethene	8.7	ug/m3	3.83	1.9	0.54
75-01-4	Vinyl Chloride	ND	ug/m3	3.83	1.9	0.65

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **11/13/2013**

Sample **1311131310** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	19.25	9.6	3.3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	19.25	9.6	2.9	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	19.25	9.6	3.1	
75-34-3	1,1-Dichloroethane	ND	ug/m3	19.25	9.6	3.1	
75-35-4	1,1-Dichloroethene	ND	ug/m3	19.25	9.6	3.3	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	19.25	9.6	3.1	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	19.25	9.6	2.9	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	19.25	9.6	3.1	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	19.25	9.6	2.9	
107-06-2	1,2-Dichloroethane	ND	ug/m3	19.25	9.6	3.1	
78-87-5	1,2-Dichloropropane	ND	ug/m3	19.25	9.6	3.1	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	19.25	9.6	3.1	
106-99-0	1,3-Butadiene	ND	ug/m3	19.25	9.6	4.2	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	19.25	9.6	2.9	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	19.25	9.6	2.7	
123-91-1	1,4-Dioxane	ND	ug/m3	19.25	9.6	3.1	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	19.25	9.6	2.9	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	19.25	96	4.0	
591-78-6	2-Hexanone	ND	ug/m3	19.25	9.6	3.1	
67-63-0	2-Propanol	ND	ug/m3	19.25	19	8.1	
107-05-1	3-Chloropropene	ND	ug/m3	19.25	9.6	3.1	
622-96-8	4-Ethyltoluene	ND	ug/m3	19.25	9.6	3.1	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	19.25	9.6	3.1	
67-64-1	Acetone	ND	ug/m3	19.25	96	15	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	19.25	9.6	2.1	
71-43-2	Benzene	ND	ug/m3	19.25	9.6	3.1	
75-27-4	Bromodichloromethane	ND	ug/m3	19.25	9.6	2.9	
75-25-2	Bromoform	ND	ug/m3	19.25	9.6	2.9	
74-83-9	Bromomethane	ND	ug/m3	19.25	9.6	3.7	
75-15-0	Carbon Disulfide	ND	ug/m3	19.25	96	2.9	
56-23-5	Carbon Tetrachloride	ND	ug/m3	19.25	9.6	2.9	
108-90-7	Chlorobenzene	ND	ug/m3	19.25	9.6	3.1	
75-00-3	Chloroethane	ND	ug/m3	19.25	9.6	3.3	
67-66-3	Chloroform	5.4	ug/m3	19.25	9.6	3.3	J
74-87-3	Chloromethane	ND	ug/m3	19.25	9.6	2.9	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	19.25	9.6	3.1	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	19.25	9.6	2.7	

98-82-8	Cumene	ND	ug/m3	19.25	9.6	2.9	
110-82-7	Cyclohexane	ND	ug/m3	19.25	19	5.6	
124-48-1	Dibromochloromethane	ND	ug/m3	19.25	9.6	3.1	
64-17-5	Ethanol	ND	ug/m3	19.25	96	15	
100-41-4	Ethyl Benzene	ND	ug/m3	19.25	9.6	3.1	
75-69-4	Freon 11	5.3	ug/m3	19.25	9.6	3.3	J FB
76-13-1	Freon 113	1900	ug/m3	19.25	9.6	3.3	
76-14-2	Freon 114	ND	ug/m3	19.25	9.6	3.7	
75-71-8	Freon 12	ND	ug/m3	19.25	9.6	3.3	
306-83-2	Freon 123	ND	ug/m3	19.25	9.6	4.6	
354-23-4	Freon 123a	220	ug/m3	19.25	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	19.25	9.6	4.6	
142-82-5	Heptane	ND	ug/m3	19.25	9.6	3.3	
87-68-3	Hexachlorobutadiene	ND	ug/m3	19.25	9.6	2.7	
110-54-3	Hexane	ND	ug/m3	19.25	9.6	2.9	
179601-23-	m,p-Xylene	ND	ug/m3	19.25	19	5.8	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	19.25	9.6	3.3	
75-09-2	Methylene Chloride	ND	ug/m3	19.25	9.6	3.3	
95-47-6	o-Xylene	ND	ug/m3	19.25	9.6	2.9	
103-65-1	Propylbenzene	ND	ug/m3	19.25	9.6	3.1	
100-42-5	Styrene	ND	ug/m3	19.25	9.6	2.9	
127-18-4	Tetrachloroethene	ND	ug/m3	19.25	9.6	2.7	
109-99-9	Tetrahydrofuran	ND	ug/m3	19.25	9.6	3.9	
108-88-3	Toluene	ND	ug/m3	19.25	9.6	3.3	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	19.25	9.6	3.7	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	19.25	9.6	3.1	
79-01-6	Trichloroethene	170	ug/m3	19.25	9.6	2.7	
75-01-4	Vinyl Chloride	ND	ug/m3	19.25	9.6	3.3	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **1/29/2014**

Sample **1401290950** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3.53	1.8	0.60	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.53	1.8	0.53	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.53	1.8	0.56	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3.53	1.8	0.56	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3.53	1.8	0.60	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.53	1.8	0.56	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3.53	1.8	0.53	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.53	1.8	0.56	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.53	1.8	0.53	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.53	1.8	0.56	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.53	1.8	0.56	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.53	1.8	0.56	
106-99-0	1,3-Butadiene	ND	ug/m3	3.53	1.8	0.78	

541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.53	1.8	0.53	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.53	1.8	0.49	
123-91-1	1,4-Dioxane	ND	ug/m3	3.53	1.8	0.56	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.53	1.8	0.53	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	3.53	18	0.74	
591-78-6	2-Hexanone	ND	ug/m3	3.53	1.8	0.56	
67-63-0	2-Propanol	6.7	ug/m3	3.53	3.5	1.5	FB
107-05-1	3-Chloropropene	ND	ug/m3	3.53	1.8	0.56	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.53	1.8	0.56	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3.53	1.8	0.56	
67-64-1	Acetone	7.1	ug/m3	3.53	18	2.7	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.53	1.8	0.39	
71-43-2	Benzene	ND	ug/m3	3.53	1.8	0.56	
75-27-4	Bromodichloromethane	ND	ug/m3	3.53	1.8	0.53	
75-25-2	Bromoform	ND	ug/m3	3.53	1.8	0.53	
74-83-9	Bromomethane	ND	ug/m3	3.53	1.8	0.67	
75-15-0	Carbon Disulfide	ND	ug/m3	3.53	18	0.53	
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.53	1.8	0.53	
108-90-7	Chlorobenzene	ND	ug/m3	3.53	1.8	0.56	
75-00-3	Chloroethane	ND	ug/m3	3.53	1.8	0.60	
67-66-3	Chloroform	2.2	ug/m3	3.53	1.8	0.60	
74-87-3	Chloromethane	ND	ug/m3	3.53	1.8	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.53	1.8	0.56	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.53	1.8	0.49	
98-82-8	Cumene	ND	ug/m3	3.53	1.8	0.53	
110-82-7	Cyclohexane	ND	ug/m3	3.53	3.5	1.0	
124-48-1	Dibromochloromethane	ND	ug/m3	3.53	1.8	0.56	
64-17-5	Ethanol	ND	ug/m3	3.53	18	2.8	
100-41-4	Ethyl Benzene	ND	ug/m3	3.53	1.8	0.56	
75-69-4	Freon 11	5.6	ug/m3	3.53	1.8	0.60	FB
76-13-1	Freon 113	1100	ug/m3	35.25	18	6.0	D
76-14-2	Freon 114	ND	ug/m3	3.53	1.8	0.67	
75-71-8	Freon 12	2.4	ug/m3	3.53	1.8	0.60	FB
306-83-2	Freon 123	ND	ug/m3	3.53	1.8	0.85	
354-23-4	Freon 123a	ND	ug/m3	3.53	NA	NA	ND
75-43-4	Freon 21	ND	ug/m3	3.53	1.8	0.85	
142-82-5	Heptane	ND	ug/m3	3.53	1.8	0.60	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.53	1.8	0.49	
110-54-3	Hexane	ND	ug/m3	3.53	1.8	0.53	
179601-23-	m,p-Xylene	ND	ug/m3	3.53	3.5	1.1	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.53	1.8	0.60	
75-09-2	Methylene Chloride	ND	ug/m3	3.53	1.8	0.60	
95-47-6	o-Xylene	ND	ug/m3	3.53	1.8	0.53	
103-65-1	Propylbenzene	ND	ug/m3	3.53	1.8	0.56	
100-42-5	Styrene	ND	ug/m3	3.53	1.8	0.53	
127-18-4	Tetrachloroethene	ND	ug/m3	3.53	1.8	0.49	

109-99-9	Tetrahydrofuran	ND	ug/m3	3.53	1.8	0.71	
108-88-3	Toluene	1.7	ug/m3	3.53	1.8	0.60	J FB
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.53	1.8	0.67	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.53	1.8	0.56	
79-01-6	Trichloroethene	85	ug/m3	3.53	1.8	0.49	
75-01-4	Vinyl Chloride	ND	ug/m3	3.53	1.8	0.60	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **4/21/2014**

Sample **1404211320** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	11.6	5.8	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	11.6	5.8	1.7	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	11.6	5.8	1.9	
75-34-3	1,1-Dichloroethane	ND	ug/m3	11.6	5.8	1.9	
75-35-4	1,1-Dichloroethene	ND	ug/m3	11.6	5.8	2.0	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	11.6	5.8	1.9	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	11.6	5.8	1.7	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	11.6	5.8	1.9	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	11.6	5.8	1.7	
107-06-2	1,2-Dichloroethane	ND	ug/m3	11.6	5.8	1.9	
78-87-5	1,2-Dichloropropane	ND	ug/m3	11.6	5.8	1.9	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	11.6	5.8	1.9	
106-99-0	1,3-Butadiene	ND	ug/m3	11.6	5.8	2.6	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	11.6	5.8	1.7	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	11.6	5.8	1.6	
123-91-1	1,4-Dioxane	ND	ug/m3	11.6	5.8	1.9	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	11.6	5.8	1.7	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	8.4	ug/m3	11.6	58	2.4	J TB
591-78-6	2-Hexanone	ND	ug/m3	11.6	5.8	1.9	
67-63-0	2-Propanol	ND	ug/m3	11.6	12	4.9	
107-05-1	3-Chloropropene	ND	ug/m3	11.6	5.8	1.9	
622-96-8	4-Ethyltoluene	ND	ug/m3	11.6	5.8	1.9	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	11.6	5.8	1.9	
67-64-1	Acetone	31	ug/m3	11.6	58	8.9	J TB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	11.6	5.8	1.3	
71-43-2	Benzene	ND	ug/m3	11.6	5.8	1.9	
75-27-4	Bromodichloromethane	ND	ug/m3	11.6	5.8	1.7	
75-25-2	Bromoform	ND	ug/m3	11.6	5.8	1.7	
74-83-9	Bromomethane	ND	ug/m3	11.6	5.8	2.2	
75-15-0	Carbon Disulfide	72	ug/m3	11.6	58	1.7	
56-23-5	Carbon Tetrachloride	ND	ug/m3	11.6	5.8	1.7	
108-90-7	Chlorobenzene	ND	ug/m3	11.6	5.8	1.9	
75-00-3	Chloroethane	ND	ug/m3	11.6	5.8	2.0	
67-66-3	Chloroform	3	ug/m3	11.6	5.8	2.0	J
74-87-3	Chloromethane	ND	ug/m3	11.6	5.8	1.7	

156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	11.6	5.8	1.9	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	11.6	5.8	1.6	
98-82-8	Cumene	ND	ug/m3	11.6	5.8	1.7	
110-82-7	Cyclohexane	ND	ug/m3	11.6	12	3.4	
124-48-1	Dibromochloromethane	ND	ug/m3	11.6	5.8	1.9	
64-17-5	Ethanol	ND	ug/m3	11.6	58	9.3	
100-41-4	Ethyl Benzene	ND	ug/m3	11.6	5.8	1.9	
75-69-4	Freon 11	3.2	ug/m3	11.6	5.8	2.0	J FB
76-13-1	Freon 113	790	ug/m3	11.6	5.8	2.0	
76-14-2	Freon 114	ND	ug/m3	11.6	5.8	2.2	
75-71-8	Freon 12	2.2	ug/m3	11.6	5.8	2.0	J FB
306-83-2	Freon 123	ND	ug/m3	11.6	5.8	2.8	
354-23-4	Freon 123a	200	ug/m3	11.6	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	11.6	5.8	2.8	
142-82-5	Heptane	ND	ug/m3	11.6	5.8	2.0	
87-68-3	Hexachlorobutadiene	ND	ug/m3	11.6	5.8	1.6	
110-54-3	Hexane	ND	ug/m3	11.6	5.8	1.7	
179601-23-	m,p-Xylene	ND	ug/m3	11.6	12	3.5	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	11.6	5.8	2.0	
75-09-2	Methylene Chloride	2.2	ug/m3	11.6	5.8	2.0	J FB
95-47-6	o-Xylene	ND	ug/m3	11.6	5.8	1.7	
103-65-1	Propylbenzene	ND	ug/m3	11.6	5.8	1.9	
100-42-5	Styrene	ND	ug/m3	11.6	5.8	1.7	
127-18-4	Tetrachloroethene	ND	ug/m3	11.6	5.8	1.6	
109-99-9	Tetrahydrofuran	2.6	ug/m3	11.6	5.8	2.3	J
108-88-3	Toluene	6.1	ug/m3	11.6	5.8	2.0	FB
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	11.6	5.8	2.2	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	11.6	5.8	1.9	
79-01-6	Trichloroethene	82	ug/m3	11.6	5.8	1.6	
75-01-4	Vinyl Chloride	ND	ug/m3	11.6	5.8	2.0	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **7/30/2014**

Sample **1407300945** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	4.4	2.2	0.75	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	4.4	2.2	0.66	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	4.4	2.2	0.70	
75-34-3	1,1-Dichloroethane	ND	ug/m3	4.4	2.2	0.70	
75-35-4	1,1-Dichloroethene	3.4	ug/m3	4.4	2.2	0.75	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	4.4	2.2	0.70	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	4.4	2.2	0.66	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	4.4	2.2	0.70	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	4.4	2.2	0.66	
107-06-2	1,2-Dichloroethane	ND	ug/m3	4.4	2.2	0.70	
78-87-5	1,2-Dichloropropane	ND	ug/m3	4.4	2.2	0.70	

108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	4.4	2.2	0.70	
106-99-0	1,3-Butadiene	ND	ug/m3	4.4	2.2	0.97	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	4.4	2.2	0.66	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	4.4	2.2	0.62	
123-91-1	1,4-Dioxane	ND	ug/m3	4.4	2.2	0.70	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	4.4	2.2	0.66	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	4.4	22	0.92	
591-78-6	2-Hexanone	ND	ug/m3	4.4	2.2	0.70	
67-63-0	2-Propanol	12	ug/m3	4.4	4.4	1.8	FB
107-05-1	3-Chloropropene	ND	ug/m3	4.4	2.2	0.70	
622-96-8	4-Ethyltoluene	ND	ug/m3	4.4	2.2	0.70	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	4.4	2.2	0.70	
67-64-1	Acetone	17	ug/m3	4.4	22	3.4	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	4.4	2.2	0.48	
71-43-2	Benzene	ND	ug/m3	4.4	2.2	0.70	
75-27-4	Bromodichloromethane	ND	ug/m3	4.4	2.2	0.66	
75-25-2	Bromoform	ND	ug/m3	4.4	2.2	0.66	
74-83-9	Bromomethane	ND	ug/m3	4.4	2.2	0.84	
75-15-0	Carbon Disulfide	ND	ug/m3	4.4	22	0.66	
56-23-5	Carbon Tetrachloride	ND	ug/m3	4.4	2.2	0.66	
108-90-7	Chlorobenzene	ND	ug/m3	4.4	2.2	0.70	
75-00-3	Chloroethane	ND	ug/m3	4.4	2.2	0.75	
67-66-3	Chloroform	3.3	ug/m3	4.4	2.2	0.75	
74-87-3	Chloromethane	ND	ug/m3	4.4	2.2	0.66	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	4.4	2.2	0.70	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	4.4	2.2	0.62	
98-82-8	Cumene	ND	ug/m3	4.4	2.2	0.66	
110-82-7	Cyclohexane	ND	ug/m3	4.4	4.4	1.3	
124-48-1	Dibromochloromethane	ND	ug/m3	4.4	2.2	0.70	
64-17-5	Ethanol	ND	ug/m3	4.4	22	3.5	
100-41-4	Ethyl Benzene	ND	ug/m3	4.4	2.2	0.70	
75-69-4	Freon 11	4.1	ug/m3	4.4	2.2	0.75	FB
76-13-1	Freon 113	290	ug/m3	4.4	2.2	0.75	
76-14-2	Freon 114	ND	ug/m3	4.4	2.2	0.84	
75-71-8	Freon 12	2.1	ug/m3	4.4	2.2	0.75	J FB
306-83-2	Freon 123	ND	ug/m3	4.4	2.2	1.1	
354-23-4	Freon 123a	65	ug/m3	4.4	NA	NA	TIC *
75-43-4	Freon 21	ND	ug/m3	4.4	2.2	1.1	*
142-82-5	Heptane	ND	ug/m3	4.4	2.2	0.75	
87-68-3	Hexachlorobutadiene	ND	ug/m3	4.4	2.2	0.62	
110-54-3	Hexane	ND	ug/m3	4.4	2.2	0.66	
179601-23-	m,p-Xylene	ND	ug/m3	4.4	4.4	1.3	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	4.4	2.2	0.75	
75-09-2	Methylene Chloride	ND	ug/m3	4.4	2.2	0.75	
95-47-6	o-Xylene	ND	ug/m3	4.4	2.2	0.66	
103-65-1	Propylbenzene	ND	ug/m3	4.4	2.2	0.70	

100-42-5	Styrene	ND	ug/m3	4.4	2.2	0.66	
127-18-4	Tetrachloroethene	6.1	ug/m3	4.4	2.2	0.62	
109-99-9	Tetrahydrofuran	ND	ug/m3	4.4	2.2	0.88	
108-88-3	Toluene	ND	ug/m3	4.4	2.2	0.75	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	4.4	2.2	0.84	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	4.4	2.2	0.70	
79-01-6	Trichloroethene	77	ug/m3	4.4	2.2	0.62	
75-01-4	Vinyl Chloride	ND	ug/m3	4.4	2.2	0.75	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **10/9/2014**

Sample **1410091027** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	45.14	23	7.7	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	45.14	23	6.8	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	45.14	23	7.2	
75-34-3	1,1-Dichloroethane	ND	ug/m3	45.14	23	7.2	
75-35-4	1,1-Dichloroethene	ND	ug/m3	45.14	23	7.7	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	45.14	23	7.2	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	45.14	23	6.8	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	45.14	23	7.2	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	45.14	23	6.8	
107-06-2	1,2-Dichloroethane	ND	ug/m3	45.14	23	7.2	
78-87-5	1,2-Dichloropropane	ND	ug/m3	45.14	23	7.2	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	45.14	23	7.2	
106-99-0	1,3-Butadiene	ND	ug/m3	45.14	23	9.9	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	45.14	23	6.8	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	45.14	23	6.3	
123-91-1	1,4-Dioxane	ND	ug/m3	45.14	23	7.2	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	45.14	23	6.8	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	45.14	230	9.5	
591-78-6	2-Hexanone	ND	ug/m3	45.14	23	7.2	
67-63-0	2-Propanol	79	ug/m3	45.14	45	19	FB
107-05-1	3-Chloropropene	ND	ug/m3	45.14	23	7.2	
622-96-8	4-Ethyltoluene	ND	ug/m3	45.14	23	7.2	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	45.14	23	7.2	
67-64-1	Acetone	51	ug/m3	45.14	230	35	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	45.14	23	5	
71-43-2	Benzene	ND	ug/m3	45.14	23	7.2	
75-27-4	Bromodichloromethane	ND	ug/m3	45.14	23	6.8	
75-25-2	Bromoform	ND	ug/m3	45.14	23	6.8	
74-83-9	Bromomethane	ND	ug/m3	45.14	23	8.6	
75-15-0	Carbon Disulfide	ND	ug/m3	45.14	230	6.8	
56-23-5	Carbon Tetrachloride	ND	ug/m3	45.14	23	6.8	
108-90-7	Chlorobenzene	ND	ug/m3	45.14	23	7.2	
75-00-3	Chloroethane	ND	ug/m3	45.14	23	7.7	

67-66-3	Chloroform	ND	ug/m3	45.14	23	7.7	
74-87-3	Chloromethane	ND	ug/m3	45.14	23	6.8	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	45.14	23	7.2	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	45.14	23	6.3	
98-82-8	Cumene	ND	ug/m3	45.14	23	6.8	
110-82-7	Cyclohexane	ND	ug/m3	45.14	45	13	
124-48-1	Dibromochloromethane	ND	ug/m3	45.14	23	7.2	
64-17-5	Ethanol	ND	ug/m3	45.14	230	36	
100-41-4	Ethyl Benzene	ND	ug/m3	45.14	23	7.2	
75-69-4	Freon 11	20	ug/m3	45.14	23	7.7	J
76-13-1	Freon 113	3800	ug/m3	45.14	23	7.7	
76-14-2	Freon 114	ND	ug/m3	45.14	23	8.6	
75-71-8	Freon 12	ND	ug/m3	45.14	23	7.7	
306-83-2	Freon 123	ND	ug/m3	45.14	23	11	
354-23-4	Freon 123a	ND	ug/m3	45.14	NA	NA	
75-43-4	Freon 21	ND	ug/m3	45.14	23	11	
142-82-5	Heptane	ND	ug/m3	45.14	23	7.7	
87-68-3	Hexachlorobutadiene	ND	ug/m3	45.14	23	6.3	
110-54-3	Hexane	ND	ug/m3	45.14	23	6.8	
179601-23-	m,p-Xylene	ND	ug/m3	45.14	45	14	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	45.14	23	7.7	
75-09-2	Methylene Chloride	ND	ug/m3	45.14	23	7.7	
95-47-6	o-Xylene	ND	ug/m3	45.14	23	6.8	
103-65-1	Propylbenzene	ND	ug/m3	45.14	23	7.2	
100-42-5	Styrene	ND	ug/m3	45.14	23	6.8	
127-18-4	Tetrachloroethene	ND	ug/m3	45.14	23	6.3	
109-99-9	Tetrahydrofuran	ND	ug/m3	45.14	23	9	
108-88-3	Toluene	ND	ug/m3	45.14	23	7.7	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	45.14	23	8.6	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	45.14	23	7.2	
79-01-6	Trichloroethene	7.5	ug/m3	45.14	23	6.3	J
75-01-4	Vinyl Chloride	ND	ug/m3	45.14	23	7.7	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **11/20/2014**

Sample **1411201020** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	8	4.0	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	8	4.0	1.2	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	8	4.0	1.3	
75-34-3	1,1-Dichloroethane	ND	ug/m3	8	4.0	1.3	
75-35-4	1,1-Dichloroethene	ND	ug/m3	8	4.0	1.4	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	8	4.0	1.3	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	8	4.0	1.2	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	8	4.0	1.3	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	8	4.0	1.2	

107-06-2	1,2-Dichloroethane	ND	ug/m3	8	4.0	1.3	
78-87-5	1,2-Dichloropropane	ND	ug/m3	8	4.0	1.3	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	8	4.0	1.3	
106-99-0	1,3-Butadiene	ND	ug/m3	8	4.0	1.8	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	8	4.0	1.2	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	8	4.0	1.1	
123-91-1	1,4-Dioxane	ND	ug/m3	8	4.0	1.3	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	8	4.0	1.2	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	4.6	ug/m3	8	40	1.7	J FB
591-78-6	2-Hexanone	ND	ug/m3	8	4.0	1.3	
67-63-0	2-Propanol	ND	ug/m3	8	8.0	3.4	
107-05-1	3-Chloropropene	ND	ug/m3	8	4.0	1.3	
622-96-8	4-Ethyltoluene	ND	ug/m3	8	4.0	1.3	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	8	4.0	1.3	
67-64-1	Acetone	14	ug/m3	8	40	6.2	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	8	4.0	0.88	
71-43-2	Benzene	ND	ug/m3	8	4.0	1.3	
75-27-4	Bromodichloromethane	ND	ug/m3	8	4.0	1.2	
75-25-2	Bromoform	ND	ug/m3	8	4.0	1.2	
74-83-9	Bromomethane	ND	ug/m3	8	4.0	1.5	
75-15-0	Carbon Disulfide	ND	ug/m3	8	40	1.2	
56-23-5	Carbon Tetrachloride	ND	ug/m3	8	4.0	1.2	
108-90-7	Chlorobenzene	ND	ug/m3	8	4.0	1.3	
75-00-3	Chloroethane	ND	ug/m3	8	4.0	1.4	
67-66-3	Chloroform	2.2	ug/m3	8	4.0	1.4	J
74-87-3	Chloromethane	ND	ug/m3	8	4.0	1.2	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	8	4.0	1.3	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	8	4.0	1.1	
98-82-8	Cumene	ND	ug/m3	8	4.0	1.2	
110-82-7	Cyclohexane	ND	ug/m3	8	8.0	2.3	
124-48-1	Dibromochloromethane	ND	ug/m3	8	4.0	1.3	
64-17-5	Ethanol	ND	ug/m3	8	40	6.4	
100-41-4	Ethyl Benzene	ND	ug/m3	8	4.0	1.3	
75-69-4	Freon 11	2.8	ug/m3	8	4.0	1.4	J FB
76-13-1	Freon 113	600	ug/m3	8	4.0	1.4	
76-14-2	Freon 114	ND	ug/m3	8	4.0	1.5	
75-71-8	Freon 12	2.2	ug/m3	8	4.0	1.4	J FB
306-83-2	Freon 123	ND	ug/m3	8	4.0	1.9	
354-23-4	Freon 123a	94	ug/m3	8	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	8	4.0	1.9	
142-82-5	Heptane	ND	ug/m3	8	4.0	1.4	
87-68-3	Hexachlorobutadiene	ND	ug/m3	8	4.0	1.1	
110-54-3	Hexane	ND	ug/m3	8	4.0	1.2	
179601-23-	m,p-Xylene	ND	ug/m3	8	8.0	2.4	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	8	4.0	1.4	
75-09-2	Methylene Chloride	ND	ug/m3	8	4.0	1.4	

95-47-6	o-Xylene	ND	ug/m3	8	4.0	1.2	
103-65-1	Propylbenzene	ND	ug/m3	8	4.0	1.3	
100-42-5	Styrene	ND	ug/m3	8	4.0	1.2	
127-18-4	Tetrachloroethene	ND	ug/m3	8	4.0	1.1	
109-99-9	Tetrahydrofuran	ND	ug/m3	8	4.0	1.6	
108-88-3	Toluene	ND	ug/m3	8	4.0	1.4	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	8	4.0	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	8	4.0	1.3	
79-01-6	Trichloroethene	65	ug/m3	8	4.0	1.1	
75-01-4	Vinyl Chloride	ND	ug/m3	8	4.0	1.4	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **1/28/2015**

Sample **1501281000** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	7.95	4.0	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	7.95	4.0	1.2	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	7.95	4.0	1.3	
75-34-3	1,1-Dichloroethane	ND	ug/m3	7.95	4.0	1.3	
75-35-4	1,1-Dichloroethene	ND	ug/m3	7.95	4.0	1.4	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	7.95	4.0	1.3	
95-63-6	1,2,4-Trimethylbenzene	1.6	ug/m3	7.95	4.0	1.2	J
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	7.95	4.0	1.3	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	7.95	4.0	1.2	
107-06-2	1,2-Dichloroethane	ND	ug/m3	7.95	4.0	1.3	
78-87-5	1,2-Dichloropropane	ND	ug/m3	7.95	4.0	1.3	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	7.95	4.0	1.3	
106-99-0	1,3-Butadiene	ND	ug/m3	7.95	4.0	1.7	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	7.95	4.0	1.2	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	7.95	4.0	1.1	
123-91-1	1,4-Dioxane	ND	ug/m3	7.95	4.0	1.3	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	7.95	4.0	1.2	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.3	ug/m3	7.95	40	1.7	J FB
591-78-6	2-Hexanone	ND	ug/m3	7.95	4.0	1.3	
67-63-0	2-Propanol	ND	ug/m3	7.95	8.0	3.3	
107-05-1	3-Chloropropene	ND	ug/m3	7.95	4.0	1.3	
622-96-8	4-Ethyltoluene	ND	ug/m3	7.95	4.0	1.3	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	7.95	4.0	1.3	
67-64-1	Acetone	33	ug/m3	7.95	40	6.1	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	7.95	4.0	0.87	
71-43-2	Benzene	ND	ug/m3	7.95	4.0	1.3	
75-27-4	Bromodichloromethane	ND	ug/m3	7.95	4.0	1.2	
75-25-2	Bromoform	ND	ug/m3	7.95	4.0	1.2	
74-83-9	Bromomethane	ND	ug/m3	7.95	4.0	1.5	
75-15-0	Carbon Disulfide	ND	ug/m3	7.95	40	1.2	
56-23-5	Carbon Tetrachloride	ND	ug/m3	7.95	4.0	1.2	

108-90-7	Chlorobenzene	ND	ug/m3	7.95	4.0	1.3	
75-00-3	Chloroethane	ND	ug/m3	7.95	4.0	1.4	
67-66-3	Chloroform	ND	ug/m3	7.95	4.0	1.4	
74-87-3	Chloromethane	ND	ug/m3	7.95	4.0	1.2	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	7.95	4.0	1.3	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	7.95	4.0	1.1	
98-82-8	Cumene	ND	ug/m3	7.95	4.0	1.2	
110-82-7	Cyclohexane	ND	ug/m3	7.95	8.0	2.3	
124-48-1	Dibromochloromethane	ND	ug/m3	7.95	4.0	1.3	
64-17-5	Ethanol	7.1	ug/m3	7.95	40	6.4	J FB
100-41-4	Ethyl Benzene	ND	ug/m3	7.95	4.0	1.3	
75-69-4	Freon 11	1.7	ug/m3	7.95	4.0	1.4	J FB
76-13-1	Freon 113	210	ug/m3	7.95	4.0	1.4	
76-14-2	Freon 114	ND	ug/m3	7.95	4.0	1.5	
75-71-8	Freon 12	1.9	ug/m3	7.95	4.0	1.4	J FB
306-83-2	Freon 123	ND	ug/m3	7.95	4.0	1.9	
354-23-4	Freon 123a	ND	ug/m3	7.95	NA	NA	
75-43-4	Freon 21	ND	ug/m3	7.95	4.0	1.9	
142-82-5	Heptane	3.2	ug/m3	7.95	4.0	1.4	J
87-68-3	Hexachlorobutadiene	ND	ug/m3	7.95	4.0	1.1	
110-54-3	Hexane	ND	ug/m3	7.95	4.0	1.2	
179601-23-	m,p-Xylene	ND	ug/m3	7.95	8.0	2.4	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	7.95	4.0	1.4	
75-09-2	Methylene Chloride	5.7	ug/m3	7.95	4.0	1.4	FB
95-47-6	o-Xylene	ND	ug/m3	7.95	4.0	1.2	
103-65-1	Propylbenzene	ND	ug/m3	7.95	4.0	1.3	
100-42-5	Styrene	ND	ug/m3	7.95	4.0	1.2	
127-18-4	Tetrachloroethene	ND	ug/m3	7.95	4.0	1.1	
109-99-9	Tetrahydrofuran	3.2	ug/m3	7.95	4.0	1.6	J
108-88-3	Toluene	4.4	ug/m3	7.95	4.0	1.4	FB
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	7.95	4.0	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	7.95	4.0	1.3	
79-01-6	Trichloroethene	25	ug/m3	7.95	4.0	1.1	
75-01-4	Vinyl Chloride	ND	ug/m3	7.95	4.0	1.4	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **4/16/2015**

Sample **1504160906** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	14.25	7.1	2.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	14.25	7.1	2.1	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	14.25	7.1	2.3	
75-34-3	1,1-Dichloroethane	ND	ug/m3	14.25	7.1	2.3	
75-35-4	1,1-Dichloroethene	ND	ug/m3	14.25	7.1	2.4	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	14.25	7.1	2.3	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	14.25	7.1	2.1	

106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	14.25	7.1	2.3	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	14.25	7.1	2.1	
107-06-2	1,2-Dichloroethane	ND	ug/m3	14.25	7.1	2.3	
17060-07-0	1,2-Dichloroethane-d4	492	ug/m3	40	NA	NA	FB
78-87-5	1,2-Dichloropropane	ND	ug/m3	14.25	7.1	2.3	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	14.25	7.1	2.3	
106-99-0	1,3-Butadiene	ND	ug/m3	14.25	7.1	3.1	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	14.25	7.1	2.1	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	14.25	7.1	2.0	
123-91-1	1,4-Dioxane	3.7	ug/m3	14.25	7.1	2.3	J
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	14.25	7.1	2.1	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	11	ug/m3	14.25	71	3.0	J FB
591-78-6	2-Hexanone	ND	ug/m3	14.25	7.1	2.3	
67-63-0	2-Propanol	ND	ug/m3	14.25	14	6.0	
107-05-1	3-Chloropropene	ND	ug/m3	14.25	7.1	2.3	
622-96-8	4-Ethyltoluene	ND	ug/m3	14.25	7.1	2.3	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	14.25	7.1	2.3	
67-64-1	Acetone	71	ug/m3	14.25	71	11	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	14.25	7.1	1.6	
71-43-2	Benzene	ND	ug/m3	14.25	7.1	2.3	
75-27-4	Bromodichloromethane	ND	ug/m3	14.25	7.1	2.1	
460-00-4	Bromofluorobenzene	474	ug/m3	40	NA	NA	
75-25-2	Bromoform	ND	ug/m3	14.25	7.1	2.1	
74-83-9	Bromomethane	ND	ug/m3	14.25	7.1	2.7	
75-15-0	Carbon Disulfide	ND	ug/m3	14.25	71	2.1	
56-23-5	Carbon Tetrachloride	ND	ug/m3	14.25	7.1	2.1	
108-90-7	Chlorobenzene	ND	ug/m3	14.25	7.1	2.3	
75-00-3	Chloroethane	ND	ug/m3	14.25	7.1	2.4	
67-66-3	Chloroform	ND	ug/m3	14.25	7.1	2.4	
74-87-3	Chloromethane	ND	ug/m3	14.25	7.1	2.1	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	14.25	7.1	2.3	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	14.25	7.1	2.0	
98-82-8	Cumene	ND	ug/m3	14.25	7.1	2.1	
110-82-7	Cyclohexane	ND	ug/m3	14.25	14	4.1	
124-48-1	Dibromochloromethane	ND	ug/m3	14.25	7.1	2.3	
64-17-5	Ethanol	18	ug/m3	14.25	71	11	J FB
100-41-4	Ethyl Benzene	ND	ug/m3	14.25	7.1	2.3	
75-69-4	Freon 11	3.1	ug/m3	14.25	7.1	2.4	J FB
76-13-1	Freon 113	420	ug/m3	14.25	7.1	2.4	
76-14-2	Freon 114	ND	ug/m3	14.25	7.1	2.7	
75-71-8	Freon 12	ND	ug/m3	14.25	7.1	2.4	
306-83-2	Freon 123	ND	ug/m3	14.25	7.1	3.4	
354-23-4	Freon 123a	190	ug/m3	14.25	NA	NA	T
75-43-4	Freon 21	ND	ug/m3	14.25	7.1	3.4	
142-82-5	Heptane	ND	ug/m3	14.25	7.1	2.4	
87-68-3	Hexachlorobutadiene	ND	ug/m3	14.25	7.1	2.0	

110-54-3	Hexane	ND	ug/m3	14.25	7.1	2.1	
179601-23-	m,p-Xylene	ND	ug/m3	14.25	14	4.3	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	14.25	7.1	2.4	
75-09-2	Methylene Chloride	ND	ug/m3	14.25	7.1	2.4	
95-47-6	o-Xylene	ND	ug/m3	14.25	7.1	2.1	
103-65-1	Propylbenzene	ND	ug/m3	14.25	7.1	2.3	
100-42-5	Styrene	ND	ug/m3	14.25	7.1	2.1	
127-18-4	Tetrachloroethene	ND	ug/m3	14.25	7.1	2.0	
109-99-9	Tetrahydrofuran	ND	ug/m3	14.25	7.1	2.9	
108-88-3	Toluene	19	ug/m3	14.25	7.1	2.4	
2037-26-5	Toluene-d8	491	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	14.25	7.1	2.7	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	14.25	7.1	2.3	
79-01-6	Trichloroethene	37	ug/m3	14.25	7.1	2.0	
75-01-4	Vinyl Chloride	ND	ug/m3	14.25	7.1	2.4	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **8/4/2015**

Sample **1508040855** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	4	2.0	0.68	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	4	2.0	0.60	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	4	2.0	0.64	
75-34-3	1,1-Dichloroethane	ND	ug/m3	4	2.0	0.64	
75-35-4	1,1-Dichloroethene	ND	ug/m3	4	2.0	0.68	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	4	2.0	0.64	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	4	2.0	0.60	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	4	2.0	0.64	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	4	2.0	0.60	
107-06-2	1,2-Dichloroethane	ND	ug/m3	4	2.0	0.64	
78-87-5	1,2-Dichloropropane	ND	ug/m3	4	2.0	0.64	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	4	2.0	0.64	
106-99-0	1,3-Butadiene	ND	ug/m3	4	2.0	0.88	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	4	2.0	0.60	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	4	2.0	0.56	
123-91-1	1,4-Dioxane	ND	ug/m3	4	2.0	0.64	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	4	2.0	0.60	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.3	ug/m3	4	20	0.84	J FB
591-78-6	2-Hexanone	ND	ug/m3	4	2.0	0.64	
67-63-0	2-Propanol	7.5	ug/m3	4	4.0	1.7	FB
107-05-1	3-Chloropropene	ND	ug/m3	4	2.0	0.64	
622-96-8	4-Ethyltoluene	ND	ug/m3	4	2.0	0.64	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	4	2.0	0.64	
67-64-1	Acetone	16	ug/m3	4	20	3.1	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	4	2.0	0.44	
71-43-2	Benzene	ND	ug/m3	4	2.0	0.64	

75-27-4	Bromodichloromethane	ND	ug/m3	4	2.0	0.60	
75-25-2	Bromoform	ND	ug/m3	4	2.0	0.60	
74-83-9	Bromomethane	ND	ug/m3	4	2.0	0.76	
75-15-0	Carbon Disulfide	ND	ug/m3	4	20	0.60	
56-23-5	Carbon Tetrachloride	ND	ug/m3	4	2.0	0.60	
108-90-7	Chlorobenzene	ND	ug/m3	4	2.0	0.64	
75-00-3	Chloroethane	ND	ug/m3	4	2.0	0.68	
67-66-3	Chloroform	1.7	ug/m3	4	2.0	0.68	J
74-87-3	Chloromethane	ND	ug/m3	4	2.0	0.60	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	4	2.0	0.64	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	4	2.0	0.56	
98-82-8	Cumene	ND	ug/m3	4	2.0	0.60	
110-82-7	Cyclohexane	ND	ug/m3	4	4.0	1.2	
124-48-1	Dibromochloromethane	ND	ug/m3	4	2.0	0.64	
64-17-5	Ethanol	5.2	ug/m3	4	20	3.2	J FB
100-41-4	Ethyl Benzene	ND	ug/m3	4	2.0	0.64	
75-69-4	Freon 11	5.2	ug/m3	4	2.0	0.68	FB
76-13-1	Freon 113	440	ug/m3	40	20	6.8	D
76-14-2	Freon 114	ND	ug/m3	4	2.0	0.76	
75-71-8	Freon 12	2	ug/m3	4	2.0	0.68	FB
306-83-2	Freon 123	ND	ug/m3	4	2.0	0.96	
354-23-4	Freon 123a	99	ug/m3	4	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	4	2.0	0.96	
142-82-5	Heptane	ND	ug/m3	4	2.0	0.68	
87-68-3	Hexachlorobutadiene	ND	ug/m3	4	2.0	0.56	
110-54-3	Hexane	ND	ug/m3	4	2.0	0.60	
179601-23-	m,p-Xylene	ND	ug/m3	4	4.0	1.2	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	4	2.0	0.68	
75-09-2	Methylene Chloride	0.95	ug/m3	4	2.0	0.68	J FB
95-47-6	o-Xylene	ND	ug/m3	4	2.0	0.60	
103-65-1	Propylbenzene	ND	ug/m3	4	2.0	0.64	
100-42-5	Styrene	ND	ug/m3	4	2.0	0.60	
127-18-4	Tetrachloroethene	0.77	ug/m3	4	2.0	0.56	J
109-99-9	Tetrahydrofuran	ND	ug/m3	4	2.0	0.80	
108-88-3	Toluene	1	ug/m3	4	2.0	0.68	J FB
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	4	2.0	0.76	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	4	2.0	0.64	
79-01-6	Trichloroethene	48	ug/m3	4	2.0	0.56	
75-01-4	Vinyl Chloride	ND	ug/m3	4	2.0	0.68	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **10/22/2015**

Sample **1510220945** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	5.05	2.5	0.86	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	5.05	2.5	0.76	

79-00-5	1,1,2-Trichloroethane	ND	ug/m3	5.05	2.5	0.81	
75-34-3	1,1-Dichloroethane	ND	ug/m3	5.05	2.5	0.81	
75-35-4	1,1-Dichloroethene	ND	ug/m3	5.05	2.5	0.86	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	5.05	2.5	0.81	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	5.05	2.5	0.76	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	5.05	2.5	0.81	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	5.05	2.5	0.76	
107-06-2	1,2-Dichloroethane	ND	ug/m3	5.05	2.5	0.81	
78-87-5	1,2-Dichloropropane	ND	ug/m3	5.05	2.5	0.81	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	5.05	2.5	0.81	
106-99-0	1,3-Butadiene	ND	ug/m3	5.05	2.5	1.1	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	5.05	2.5	0.76	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	5.05	2.5	0.71	
123-91-1	1,4-Dioxane	ND	ug/m3	5.05	2.5	0.81	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	5.05	2.5	0.76	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.8	ug/m3	5.05	25	1.1	J FB
591-78-6	2-Hexanone	ND	ug/m3	5.05	2.5	0.81	
67-63-0	2-Propanol	ND	ug/m3	5.05	5.1	2.1	
107-05-1	3-Chloropropene	ND	ug/m3	5.05	2.5	0.81	
622-96-8	4-Ethyltoluene	ND	ug/m3	5.05	2.5	0.81	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	5.05	2.5	0.81	
67-64-1	Acetone	8.2	ug/m3	5.05	25	3.9	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	5.05	2.5	0.56	
71-43-2	Benzene	ND	ug/m3	5.05	2.5	0.81	
75-27-4	Bromodichloromethane	ND	ug/m3	5.05	2.5	0.76	
75-25-2	Bromoform	ND	ug/m3	5.05	2.5	0.76	
74-83-9	Bromomethane	ND	ug/m3	5.05	2.5	0.96	
75-15-0	Carbon Disulfide	3	ug/m3	5.05	25	0.76	J
56-23-5	Carbon Tetrachloride	ND	ug/m3	5.05	2.5	0.76	
108-90-7	Chlorobenzene	ND	ug/m3	5.05	2.5	0.81	
75-00-3	Chloroethane	ND	ug/m3	5.05	2.5	0.86	
67-66-3	Chloroform	1.5	ug/m3	5.05	2.5	0.86	J
74-87-3	Chloromethane	ND	ug/m3	5.05	2.5	0.76	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	5.05	2.5	0.81	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	5.05	2.5	0.71	
98-82-8	Cumene	ND	ug/m3	5.05	2.5	0.76	
110-82-7	Cyclohexane	ND	ug/m3	5.05	5.1	1.5	
124-48-1	Dibromochloromethane	ND	ug/m3	5.05	2.5	0.81	
64-17-5	Ethanol	7.6	ug/m3	5.05	25	4.0	J FB
100-41-4	Ethyl Benzene	ND	ug/m3	5.05	2.5	0.81	
75-69-4	Freon 11	2.7	ug/m3	5.05	2.5	0.86	FB
76-13-1	Freon 113	450	ug/m3	5.05	2.5	0.86	
76-14-2	Freon 114	ND	ug/m3	5.05	2.5	0.96	
75-71-8	Freon 12	1.9	ug/m3	5.05	2.5	0.86	J FB
306-83-2	Freon 123	ND	ug/m3	5.05	2.5	1.2	
354-23-4	Freon 123a	110	ug/m3	5.05	NA	NA	TIC

75-43-4	Freon 21	ND	ug/m3	5.05	2.5	1.2	
142-82-5	Heptane	ND	ug/m3	5.05	2.5	0.86	
87-68-3	Hexachlorobutadiene	ND	ug/m3	5.05	2.5	0.71	
110-54-3	Hexane	ND	ug/m3	5.05	2.5	0.76	
179601-23-	m,p-Xylene	ND	ug/m3	5.05	5.1	1.5	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	5.05	2.5	0.86	
75-09-2	Methylene Chloride	ND	ug/m3	5.05	2.5	0.86	
95-47-6	o-Xylene	ND	ug/m3	5.05	2.5	0.76	
103-65-1	Propylbenzene	ND	ug/m3	5.05	2.5	0.81	
100-42-5	Styrene	ND	ug/m3	5.05	2.5	0.76	
127-18-4	Tetrachloroethene	ND	ug/m3	5.05	2.5	0.71	
109-99-9	Tetrahydrofuran	ND	ug/m3	5.05	2.5	1.0	
108-88-3	Toluene	8.9	ug/m3	5.05	2.5	0.86	FB
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	5.05	2.5	0.96	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	5.05	2.5	0.81	
79-01-6	Trichloroethene	50	ug/m3	5.05	2.5	0.71	
75-01-4	Vinyl Chloride	ND	ug/m3	5.05	2.5	0.86	

Borehole **600-SGW-5** **Depth (ft)** **7.5** **Depth (m)** **2.29** **Event Date** **1/20/2016**

Sample **1601201330** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	4.05	2.0	0.69	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	4.05	2.0	0.61	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	4.05	2.0	0.65	
75-34-3	1,1-Dichloroethane	ND	ug/m3	4.05	2.0	0.65	
75-35-4	1,1-Dichloroethene	ND	ug/m3	4.05	2.0	0.69	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	4.05	2.0	0.65	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	4.05	2.0	0.61	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	4.05	2.0	0.65	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	4.05	2.0	0.61	
107-06-2	1,2-Dichloroethane	ND	ug/m3	4.05	2.0	0.65	
17060-07-0	1,2-Dichloroethane-d4	525	ug/m3	40	NA	NA	
78-87-5	1,2-Dichloropropane	ND	ug/m3	4.05	2.0	0.65	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	4.05	2.0	0.65	
106-99-0	1,3-Butadiene	ND	ug/m3	4.05	2.0	0.89	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	4.05	2.0	0.61	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	4.05	2.0	0.57	
123-91-1	1,4-Dioxane	ND	ug/m3	4.05	2.0	0.65	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	4.05	2.0	0.61	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.8	ug/m3	4.05	20	0.85	J
591-78-6	2-Hexanone	0.71	ug/m3	4.05	2.0	0.65	J
67-63-0	2-Propanol	18	ug/m3	4.05	4.1	1.7	
107-05-1	3-Chloropropene	ND	ug/m3	4.05	2.0	0.65	
622-96-8	4-Ethyltoluene	ND	ug/m3	4.05	2.0	0.65	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	4.05	2.0	0.65	

67-64-1	Acetone	15	ug/m3	4.05	20	3.1	J
100-44-7	alpha-Chlorotoluene	ND	ug/m3	4.05	2.0	0.45	
71-43-2	Benzene	ND	ug/m3	4.05	2.0	0.65	
75-27-4	Bromodichloromethane	ND	ug/m3	4.05	2.0	0.61	
460-00-4	Bromofluorobenzene	503	ug/m3	40	NA	NA	
75-25-2	Bromoform	ND	ug/m3	4.05	2.0	0.61	
74-83-9	Bromomethane	ND	ug/m3	4.05	2.0	0.77	
75-15-0	Carbon Disulfide	ND	ug/m3	4.05	20	0.61	
56-23-5	Carbon Tetrachloride	ND	ug/m3	4.05	2.0	0.61	
108-90-7	Chlorobenzene	ND	ug/m3	4.05	2.0	0.65	
75-00-3	Chloroethane	ND	ug/m3	4.05	2.0	0.69	
67-66-3	Chloroform	5.4	ug/m3	4.05	2.0	0.69	
74-87-3	Chloromethane	ND	ug/m3	4.05	2.0	0.61	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	4.05	2.0	0.65	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	4.05	2.0	0.57	
98-82-8	Cumene	ND	ug/m3	4.05	2.0	0.61	
110-82-7	Cyclohexane	ND	ug/m3	4.05	4.1	1.2	
124-48-1	Dibromochloromethane	ND	ug/m3	4.05	2.0	0.65	
64-17-5	Ethanol	36	ug/m3	4.05	20	3.2	
100-41-4	Ethyl Benzene	ND	ug/m3	4.05	2.0	0.65	
75-69-4	Freon 11	4.7	ug/m3	4.05	2.0	0.69	
76-13-1	Freon 113	1500	ug/m3	40.5	20	6.9	D
76-14-2	Freon 114	ND	ug/m3	4.05	2.0	0.77	
75-71-8	Freon 12	ND	ug/m3	4.05	2.0	0.69	
306-83-2	Freon 123	ND	ug/m3	4.05	2.0	0.97	U,X
354-23-4	Freon 123a	320	ug/m3	4.05	NA	NA	T
75-43-4	Freon 21	ND	ug/m3	4.05	2.0	0.97	U,X
142-82-5	Heptane	ND	ug/m3	4.05	2.0	0.69	
87-68-3	Hexachlorobutadiene	ND	ug/m3	4.05	2.0	0.57	
110-54-3	Hexane	ND	ug/m3	4.05	2.0	0.61	
179601-23-	m,p-Xylene	ND	ug/m3	4.05	4.1	1.2	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	4.05	2.0	0.69	
75-09-2	Methylene Chloride	ND	ug/m3	4.05	2.0	0.69	
95-47-6	o-Xylene	ND	ug/m3	4.05	2.0	0.61	
103-65-1	Propylbenzene	ND	ug/m3	4.05	2.0	0.65	
100-42-5	Styrene	ND	ug/m3	4.05	2.0	0.61	
127-18-4	Tetrachloroethene	ND	ug/m3	4.05	2.0	0.57	
109-99-9	Tetrahydrofuran	ND	ug/m3	4.05	2.0	0.81	
108-88-3	Toluene	ND	ug/m3	4.05	2.0	0.69	
2037-26-5	Toluene-d8	488	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	4.05	2.0	0.77	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	4.05	2.0	0.65	
79-01-6	Trichloroethene	150	ug/m3	4.05	2.0	0.57	
75-01-4	Vinyl Chloride	ND	ug/m3	4.05	2.0	0.69	

Borehole 600-SGW-5 **Depth (ft)** 52.5 **Depth (m)** 16.00 **Event Date** 3/25/2013

Sample 1303250830 **Sample Type** Soil Gas **Analysis Method** TO-15

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	115.38	58	16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	115.38	58	17	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	115.38	58	15	
75-34-3	1,1-Dichloroethane	ND	ug/m3	115.38	58	16	
75-35-4	1,1-Dichloroethene	ND	ug/m3	115.38	58	18	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	115.38	58	21	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	115.38	58	17	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	115.38	58	17	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	115.38	58	18	
107-06-2	1,2-Dichloroethane	ND	ug/m3	115.38	58	16	
78-87-5	1,2-Dichloropropane	ND	ug/m3	115.38	58	16	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	115.38	58	17	
106-99-0	1,3-Butadiene	ND	ug/m3	115.38	58	18	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	115.38	58	16	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	115.38	58	17	
123-91-1	1,4-Dioxane	ND	ug/m3	115.38	58	16	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	115.38	58	15	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	115.38	580	23	
591-78-6	2-Hexanone	ND	ug/m3	115.38	58	22	
67-63-0	2-Propanol	ND	ug/m3	115.38	120	39	
107-05-1	3-Chloropropene	ND	ug/m3	115.38	58	16	
622-96-8	4-Ethyltoluene	ND	ug/m3	115.38	58	17	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	115.38	58	18	
67-64-1	Acetone	ND	ug/m3	115.38	580	130	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	115.38	58	17	
71-43-2	Benzene	ND	ug/m3	115.38	58	16	
75-27-4	Bromodichloromethane	ND	ug/m3	115.38	58	17	
75-25-2	Bromoform	ND	ug/m3	115.38	58	18	
74-83-9	Bromomethane	ND	ug/m3	115.38	58	16	
75-15-0	Carbon Disulfide	ND	ug/m3	115.38	580	15	
56-23-5	Carbon Tetrachloride	ND	ug/m3	115.38	58	17	
108-90-7	Chlorobenzene	ND	ug/m3	115.38	58	17	
75-00-3	Chloroethane	ND	ug/m3	115.38	58	16	
67-66-3	Chloroform	88	ug/m3	115.38	58	16	
74-87-3	Chloromethane	ND	ug/m3	115.38	58	17	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	115.38	58	18	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	115.38	58	15	
98-82-8	Cumene	ND	ug/m3	115.38	58	16	
110-82-7	Cyclohexane	ND	ug/m3	115.38	120	30	
124-48-1	Dibromochloromethane	ND	ug/m3	115.38	58	17	
64-17-5	Ethanol	ND	ug/m3	115.38	580	110	

100-41-4	Ethyl Benzene	ND	ug/m3	115.38	58	17	
75-69-4	Freon 11	ND	ug/m3	115.38	58	15	
76-13-1	Freon 113	10000	ug/m3	115.38	58	23	
76-14-2	Freon 114	ND	ug/m3	115.38	58	16	
75-71-8	Freon 12	ND	ug/m3	115.38	58	16	
306-83-2	Freon 123	ND	ug/m3	115.38	58	28	
354-23-4	Freon 123a	ND	ug/m3	115.38	NA	NA	*
75-43-4	Freon 21	ND	ug/m3	115.38	58	28	
142-82-5	Heptane	ND	ug/m3	115.38	58	16	
87-68-3	Hexachlorobutadiene	ND	ug/m3	115.38	58	16	
110-54-3	Hexane	ND	ug/m3	115.38	58	18	
1330-20-7	m,p-Xylene	ND	ug/m3	115.38	120	33	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	115.38	58	16	
75-09-2	Methylene Chloride	26	ug/m3	115.38	58	17	J
95-47-6	o-Xylene	ND	ug/m3	115.38	58	18	
103-65-1	Propylbenzene	ND	ug/m3	115.38	58	20	
100-42-5	Styrene	ND	ug/m3	115.38	58	17	
127-18-4	Tetrachloroethene	ND	ug/m3	115.38	58	14	
109-99-9	Tetrahydrofuran	ND	ug/m3	115.38	58	30	
108-88-3	Toluene	ND	ug/m3	115.38	58	16	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	115.38	58	17	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	115.38	58	15	
79-01-6	Trichloroethene	2100	ug/m3	115.38	58	16	
75-01-4	Vinyl Chloride	ND	ug/m3	115.38	58	17	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **7/16/2013**

Sample **1307160745** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	1.4	ug/m3	3.98	2.0	0.68	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.98	2.0	0.60	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.98	2.0	0.64	
75-34-3	1,1-Dichloroethane	4.4	ug/m3	3.98	2.0	0.64	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3.98	2.0	0.68	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.98	2.0	0.64	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3.98	2.0	0.60	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.98	2.0	0.64	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.98	2.0	0.60	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.98	2.0	0.64	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.98	2.0	0.64	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.98	2.0	0.64	
106-99-0	1,3-Butadiene	ND	ug/m3	3.98	2.0	0.87	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.98	2.0	0.60	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.98	2.0	0.56	
123-91-1	1,4-Dioxane	ND	ug/m3	3.98	2.0	0.64	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.98	2.0	0.60	

78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.4	ug/m3	3.98	20	0.83	J
591-78-6	2-Hexanone	ND	ug/m3	3.98	2.0	0.64	
67-63-0	2-Propanol	ND	ug/m3	3.98	4.0	1.7	
107-05-1	3-Chloropropene	ND	ug/m3	3.98	2.0	0.64	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.98	2.0	0.64	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3.98	2.0	0.64	
67-64-1	Acetone	18	ug/m3	3.98	20	3.1	J
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.98	2.0	0.44	
71-43-2	Benzene	ND	ug/m3	3.98	2.0	0.64	
75-27-4	Bromodichloromethane	ND	ug/m3	3.98	2.0	0.60	
75-25-2	Bromoform	ND	ug/m3	3.98	2.0	0.60	
74-83-9	Bromomethane	ND	ug/m3	3.98	2.0	0.76	
75-15-0	Carbon Disulfide	ND	ug/m3	3.98	20	0.60	
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.98	2.0	0.60	
108-90-7	Chlorobenzene	ND	ug/m3	3.98	2.0	0.64	
75-00-3	Chloroethane	ND	ug/m3	3.98	2.0	0.68	
67-66-3	Chloroform	94	ug/m3	3.98	2.0	0.68	A
74-87-3	Chloromethane	ND	ug/m3	3.98	2.0	0.60	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.98	2.0	0.64	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.98	2.0	0.56	
98-82-8	Cumene	ND	ug/m3	3.98	2.0	0.60	
110-82-7	Cyclohexane	ND	ug/m3	3.98	4.0	1.2	
124-48-1	Dibromochloromethane	ND	ug/m3	3.98	2.0	0.64	
64-17-5	Ethanol	ND	ug/m3	3.98	20	3.2	
100-41-4	Ethyl Benzene	ND	ug/m3	3.98	2.0	0.64	
75-69-4	Freon 11	15	ug/m3	3.98	2.0	0.68	A
76-13-1	Freon 113	14000	ug/m3	176	88	30	D
76-14-2	Freon 114	ND	ug/m3	3.98	2.0	0.76	
75-71-8	Freon 12	2.2	ug/m3	3.98	2.0	0.68	
306-83-2	Freon 123	4.6	ug/m3	3.98	2.0	0.95	
354-23-4	Freon 123a	790	ug/m3	3.98	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	3.98	2.0	0.95	
142-82-5	Heptane	ND	ug/m3	3.98	2.0	0.68	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.98	2.0	0.56	
110-54-3	Hexane	ND	ug/m3	3.98	2.0	0.60	
179601-23-	m,p-Xylene	ND	ug/m3	3.98	4.0	1.2	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.98	2.0	0.68	
75-09-2	Methylene Chloride	0.72	ug/m3	3.98	2.0	0.68	J
95-47-6	o-Xylene	ND	ug/m3	3.98	2.0	0.60	
103-65-1	Propylbenzene	ND	ug/m3	3.98	2.0	0.64	
100-42-5	Styrene	ND	ug/m3	3.98	2.0	0.60	
127-18-4	Tetrachloroethene	1.8	ug/m3	3.98	2.0	0.56	J
109-99-9	Tetrahydrofuran	ND	ug/m3	3.98	2.0	0.80	
108-88-3	Toluene	ND	ug/m3	3.98	2.0	0.68	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.98	2.0	0.76	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.98	2.0	0.64	

79-01-6	Trichloroethene	2600	ug/m3	176	88	25	D
75-01-4	Vinyl Chloride	ND	ug/m3	3.98	2.0	0.68	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **11/13/2013**

Sample **1311131315** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	102	51	17	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	102	51	15	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	102	51	16	
75-34-3	1,1-Dichloroethane	ND	ug/m3	102	51	16	
75-35-4	1,1-Dichloroethene	ND	ug/m3	102	51	17	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	102	51	16	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	102	51	15	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	102	51	16	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	102	51	15	
107-06-2	1,2-Dichloroethane	ND	ug/m3	102	51	16	
78-87-5	1,2-Dichloropropane	ND	ug/m3	102	51	16	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	102	51	16	
106-99-0	1,3-Butadiene	ND	ug/m3	102	51	22	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	102	51	15	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	102	51	14	
123-91-1	1,4-Dioxane	ND	ug/m3	102	51	16	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	102	51	15	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	102	510	21	
591-78-6	2-Hexanone	ND	ug/m3	102	51	16	
67-63-0	2-Propanol	ND	ug/m3	102	100	43	
107-05-1	3-Chloropropene	ND	ug/m3	102	51	16	
622-96-8	4-Ethyltoluene	ND	ug/m3	102	51	16	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	102	51	16	
67-64-1	Acetone	ND	ug/m3	102	510	79	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	102	51	11	
71-43-2	Benzene	ND	ug/m3	102	51	16	
75-27-4	Bromodichloromethane	ND	ug/m3	102	51	15	
75-25-2	Bromoform	ND	ug/m3	102	51	15	
74-83-9	Bromomethane	ND	ug/m3	102	51	19	
75-15-0	Carbon Disulfide	ND	ug/m3	102	510	15	
56-23-5	Carbon Tetrachloride	ND	ug/m3	102	51	15	
108-90-7	Chlorobenzene	ND	ug/m3	102	51	16	
75-00-3	Chloroethane	ND	ug/m3	102	51	17	
67-66-3	Chloroform	100	ug/m3	102	51	17	
74-87-3	Chloromethane	ND	ug/m3	102	51	15	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	102	51	16	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	102	51	14	
98-82-8	Cumene	ND	ug/m3	102	51	15	
110-82-7	Cyclohexane	ND	ug/m3	102	100	30	

124-48-1	Dibromochloromethane	ND	ug/m3	102	51	16	
64-17-5	Ethanol	ND	ug/m3	102	510	82	
100-41-4	Ethyl Benzene	ND	ug/m3	102	51	16	
75-69-4	Freon 11	ND	ug/m3	102	51	17	
76-13-1	Freon 113	10000	ug/m3	306	150	52	D
76-14-2	Freon 114	ND	ug/m3	102	51	19	
75-71-8	Freon 12	ND	ug/m3	102	51	17	
306-83-2	Freon 123	ND	ug/m3	102	51	24	
354-23-4	Freon 123a	710	ug/m3	102	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	102	51	24	
142-82-5	Heptane	ND	ug/m3	102	51	17	
87-68-3	Hexachlorobutadiene	ND	ug/m3	102	51	14	
110-54-3	Hexane	ND	ug/m3	102	51	15	
179601-23-	m,p-Xylene	ND	ug/m3	102	100	31	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	102	51	17	
75-09-2	Methylene Chloride	ND	ug/m3	102	51	17	
95-47-6	o-Xylene	ND	ug/m3	102	51	15	
103-65-1	Propylbenzene	ND	ug/m3	102	51	16	
100-42-5	Styrene	ND	ug/m3	102	51	15	
127-18-4	Tetrachloroethene	ND	ug/m3	102	51	14	
109-99-9	Tetrahydrofuran	ND	ug/m3	102	51	20	
108-88-3	Toluene	ND	ug/m3	102	51	17	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	102	51	19	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	102	51	16	
79-01-6	Trichloroethene	2400	ug/m3	102	51	14	
75-01-4	Vinyl Chloride	ND	ug/m3	102	51	17	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **1/29/2014**

Sample **1401290955** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	51	26	8.7	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	51	26	7.7	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	51	26	8.2	
75-34-3	1,1-Dichloroethane	ND	ug/m3	51	26	8.2	
75-35-4	1,1-Dichloroethene	ND	ug/m3	51	26	8.7	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	51	26	8.2	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	51	26	7.7	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	51	26	8.2	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	51	26	7.7	
107-06-2	1,2-Dichloroethane	ND	ug/m3	51	26	8.2	
78-87-5	1,2-Dichloropropane	ND	ug/m3	51	26	8.2	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	51	26	8.2	
106-99-0	1,3-Butadiene	ND	ug/m3	51	26	11	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	51	26	7.7	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	51	26	7.1	

123-91-1	1,4-Dioxane	ND	ug/m3	51	26	8.2	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	51	26	7.7	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	51	260	11	
591-78-6	2-Hexanone	ND	ug/m3	51	26	8.2	
67-63-0	2-Propanol	ND	ug/m3	51	51	21	
107-05-1	3-Chloropropene	ND	ug/m3	51	26	8.2	
622-96-8	4-Ethyltoluene	ND	ug/m3	51	26	8.2	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	51	26	8.2	
67-64-1	Acetone	ND	ug/m3	51	260	39	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	51	26	5.6	
71-43-2	Benzene	ND	ug/m3	51	26	8.2	
75-27-4	Bromodichloromethane	ND	ug/m3	51	26	7.7	
75-25-2	Bromoform	ND	ug/m3	51	26	7.7	
74-83-9	Bromomethane	ND	ug/m3	51	26	9.7	
75-15-0	Carbon Disulfide	ND	ug/m3	51	260	7.7	
56-23-5	Carbon Tetrachloride	ND	ug/m3	51	26	7.7	
108-90-7	Chlorobenzene	ND	ug/m3	51	26	8.2	
75-00-3	Chloroethane	ND	ug/m3	51	26	8.7	
67-66-3	Chloroform	90	ug/m3	51	26	8.7	
74-87-3	Chloromethane	ND	ug/m3	51	26	7.7	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	51	26	8.2	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	51	26	7.1	
98-82-8	Cumene	ND	ug/m3	51	26	7.7	
110-82-7	Cyclohexane	ND	ug/m3	51	51	15	
124-48-1	Dibromochloromethane	ND	ug/m3	51	26	8.2	
64-17-5	Ethanol	ND	ug/m3	51	260	41	
100-41-4	Ethyl Benzene	ND	ug/m3	51	26	8.2	
75-69-4	Freon 11	36	ug/m3	51	26	8.7	
76-13-1	Freon 113	12000	ug/m3	204	100	35	D
76-14-2	Freon 114	ND	ug/m3	51	26	9.7	
75-71-8	Freon 12	ND	ug/m3	51	26	8.7	
306-83-2	Freon 123	ND	ug/m3	51	26	12	
354-23-4	Freon 123a	ND	ug/m3	51	NA	NA	ND
75-43-4	Freon 21	ND	ug/m3	51	26	12	
142-82-5	Heptane	ND	ug/m3	51	26	8.7	
87-68-3	Hexachlorobutadiene	ND	ug/m3	51	26	7.1	
110-54-3	Hexane	ND	ug/m3	51	26	7.7	
179601-23-	m,p-Xylene	ND	ug/m3	51	51	15	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	51	26	8.7	
75-09-2	Methylene Chloride	ND	ug/m3	51	26	8.7	
95-47-6	o-Xylene	ND	ug/m3	51	26	7.7	
103-65-1	Propylbenzene	ND	ug/m3	51	26	8.2	
100-42-5	Styrene	ND	ug/m3	51	26	7.7	
127-18-4	Tetrachloroethene	ND	ug/m3	51	26	7.1	
109-99-9	Tetrahydrofuran	ND	ug/m3	51	26	10	
108-88-3	Toluene	ND	ug/m3	51	26	8.7	

156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	51	26	9.7
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	51	26	8.2
79-01-6	Trichloroethene	2400	ug/m3	51	26	7.1
75-01-4	Vinyl Chloride	ND	ug/m3	51	26	8.7

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **4/21/2014**

Sample **1404211325** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	23.33	12	4.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	23.33	12	3.5	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	23.33	12	3.7	
75-34-3	1,1-Dichloroethane	ND	ug/m3	23.33	12	3.7	
75-35-4	1,1-Dichloroethene	ND	ug/m3	23.33	12	4.0	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	23.33	12	3.7	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	23.33	12	3.5	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	23.33	12	3.7	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	23.33	12	3.5	
107-06-2	1,2-Dichloroethane	ND	ug/m3	23.33	12	3.7	
78-87-5	1,2-Dichloropropane	ND	ug/m3	23.33	12	3.7	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	23.33	12	3.7	
106-99-0	1,3-Butadiene	ND	ug/m3	23.33	12	5.1	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	23.33	12	3.5	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	23.33	12	3.3	
123-91-1	1,4-Dioxane	ND	ug/m3	23.33	12	3.7	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	23.33	12	3.5	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	52	ug/m3	23.33	120	4.9	J
591-78-6	2-Hexanone	ND	ug/m3	23.33	12	3.7	
67-63-0	2-Propanol	ND	ug/m3	23.33	23	9.8	
107-05-1	3-Chloropropene	ND	ug/m3	23.33	12	3.7	
622-96-8	4-Ethyltoluene	ND	ug/m3	23.33	12	3.7	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	23.33	12	3.7	
67-64-1	Acetone	230	ug/m3	23.33	120	18	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	23.33	12	2.6	
71-43-2	Benzene	ND	ug/m3	23.33	12	3.7	
75-27-4	Bromodichloromethane	ND	ug/m3	23.33	12	3.5	
75-25-2	Bromoform	ND	ug/m3	23.33	12	3.5	
74-83-9	Bromomethane	ND	ug/m3	23.33	12	4.4	
75-15-0	Carbon Disulfide	51	ug/m3	23.33	120	3.5	J
56-23-5	Carbon Tetrachloride	ND	ug/m3	23.33	12	3.5	
108-90-7	Chlorobenzene	ND	ug/m3	23.33	12	3.7	
75-00-3	Chloroethane	ND	ug/m3	23.33	12	4.0	
67-66-3	Chloroform	67	ug/m3	23.33	12	4.0	
74-87-3	Chloromethane	ND	ug/m3	23.33	12	3.5	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	23.33	12	3.7	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	23.33	12	3.3	

98-82-8	Cumene	ND	ug/m3	23.33	12	3.5	
110-82-7	Cyclohexane	ND	ug/m3	23.33	23	6.8	
124-48-1	Dibromochloromethane	ND	ug/m3	23.33	12	3.7	
64-17-5	Ethanol	20	ug/m3	23.33	120	19	J
100-41-4	Ethyl Benzene	ND	ug/m3	23.33	12	3.7	
75-69-4	Freon 11	12	ug/m3	23.33	12	4.0	J
76-13-1	Freon 113	6100	ug/m3	233.25	120	40	D
76-14-2	Freon 114	ND	ug/m3	23.33	12	4.4	
75-71-8	Freon 12	ND	ug/m3	23.33	12	4.0	
306-83-2	Freon 123	ND	ug/m3	23.33	12	5.6	
354-23-4	Freon 123a	850	ug/m3	23.33	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	23.33	12	5.6	
142-82-5	Heptane	ND	ug/m3	23.33	12	4.0	
87-68-3	Hexachlorobutadiene	ND	ug/m3	23.33	12	3.3	
110-54-3	Hexane	ND	ug/m3	23.33	12	3.5	
179601-23-	m,p-Xylene	ND	ug/m3	23.33	23	7.0	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	23.33	12	4.0	
75-09-2	Methylene Chloride	4.2	ug/m3	23.33	12	4.0	J
95-47-6	o-Xylene	ND	ug/m3	23.33	12	3.5	
103-65-1	Propylbenzene	ND	ug/m3	23.33	12	3.7	
100-42-5	Styrene	ND	ug/m3	23.33	12	3.5	
127-18-4	Tetrachloroethene	ND	ug/m3	23.33	12	3.3	
109-99-9	Tetrahydrofuran	ND	ug/m3	23.33	12	4.7	
108-88-3	Toluene	ND	ug/m3	23.33	12	4.0	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	23.33	12	4.4	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	23.33	12	3.7	
79-01-6	Trichloroethene	1500	ug/m3	23.33	12	3.3	
75-01-4	Vinyl Chloride	ND	ug/m3	23.33	12	4.0	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **7/30/2014**

Sample **1407300950** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	67.2	34	11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	67.2	34	10	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	67.2	34	11	
75-34-3	1,1-Dichloroethane	ND	ug/m3	67.2	34	11	
75-35-4	1,1-Dichloroethene	ND	ug/m3	67.2	34	11	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	67.2	34	11	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	67.2	34	10	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	67.2	34	11	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	67.2	34	10	
107-06-2	1,2-Dichloroethane	ND	ug/m3	67.2	34	11	
78-87-5	1,2-Dichloropropane	ND	ug/m3	67.2	34	11	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	67.2	34	11	
106-99-0	1,3-Butadiene	ND	ug/m3	67.2	34	15	

541-73-1	1,3-Dichlorobenzene	ND	ug/m3	67.2	34	10	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	67.2	34	9.4	
123-91-1	1,4-Dioxane	ND	ug/m3	67.2	34	11	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	67.2	34	10	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	67.2	340	14	
591-78-6	2-Hexanone	ND	ug/m3	67.2	34	11	
67-63-0	2-Propanol	ND	ug/m3	67.2	67	28	
107-05-1	3-Chloropropene	ND	ug/m3	67.2	34	11	
622-96-8	4-Ethyltoluene	ND	ug/m3	67.2	34	11	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	67.2	34	11	
67-64-1	Acetone	ND	ug/m3	67.2	340	52	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	67.2	34	7.4	
71-43-2	Benzene	ND	ug/m3	67.2	34	11	
75-27-4	Bromodichloromethane	ND	ug/m3	67.2	34	10	
75-25-2	Bromoform	ND	ug/m3	67.2	34	10	
74-83-9	Bromomethane	ND	ug/m3	67.2	34	13	
75-15-0	Carbon Disulfide	62	ug/m3	67.2	340	10	J FB
56-23-5	Carbon Tetrachloride	ND	ug/m3	67.2	34	10	
108-90-7	Chlorobenzene	ND	ug/m3	67.2	34	11	
75-00-3	Chloroethane	ND	ug/m3	67.2	34	11	
67-66-3	Chloroform	99	ug/m3	67.2	34	11	
74-87-3	Chloromethane	ND	ug/m3	67.2	34	10	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	67.2	34	11	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	67.2	34	9.4	
98-82-8	Cumene	ND	ug/m3	67.2	34	10	
110-82-7	Cyclohexane	ND	ug/m3	67.2	67	19	
124-48-1	Dibromochloromethane	ND	ug/m3	67.2	34	11	
64-17-5	Ethanol	ND	ug/m3	67.2	340	54	
100-41-4	Ethyl Benzene	ND	ug/m3	67.2	34	11	
75-69-4	Freon 11	ND	ug/m3	67.2	34	11	
76-13-1	Freon 113	6300	ug/m3	840	420	140	D
76-14-2	Freon 114	ND	ug/m3	67.2	34	13	
75-71-8	Freon 12	ND	ug/m3	67.2	34	11	
306-83-2	Freon 123	ND	ug/m3	67.2	34	16	
354-23-4	Freon 123a	920	ug/m3	67.2	NA	NA	TIC *
75-43-4	Freon 21	ND	ug/m3	67.2	34	16	*
142-82-5	Heptane	ND	ug/m3	67.2	34	11	
87-68-3	Hexachlorobutadiene	ND	ug/m3	67.2	34	9.4	
110-54-3	Hexane	ND	ug/m3	67.2	34	10	
179601-23-	m,p-Xylene	ND	ug/m3	67.2	67	20	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	67.2	34	11	
75-09-2	Methylene Chloride	ND	ug/m3	67.2	34	11	
95-47-6	o-Xylene	ND	ug/m3	67.2	34	10	
103-65-1	Propylbenzene	ND	ug/m3	67.2	34	11	
100-42-5	Styrene	ND	ug/m3	67.2	34	10	
127-18-4	Tetrachloroethene	ND	ug/m3	67.2	34	9.4	

109-99-9	Tetrahydrofuran	ND	ug/m3	67.2	34	13
108-88-3	Toluene	ND	ug/m3	67.2	34	11
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	67.2	34	13
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	67.2	34	11
79-01-6	Trichloroethene	2200	ug/m3	67.2	34	9.4
75-01-4	Vinyl Chloride	ND	ug/m3	67.2	34	11

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **10/9/2014**

Sample **1410091035** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	105.33	53	18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	105.33	53	16	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	105.33	53	17	
75-34-3	1,1-Dichloroethane	ND	ug/m3	105.33	53	17	
75-35-4	1,1-Dichloroethene	ND	ug/m3	105.33	53	18	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	105.33	53	17	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	105.33	53	16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	105.33	53	17	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	105.33	53	16	
107-06-2	1,2-Dichloroethane	ND	ug/m3	105.33	53	17	
78-87-5	1,2-Dichloropropane	ND	ug/m3	105.33	53	17	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	105.33	53	17	
106-99-0	1,3-Butadiene	ND	ug/m3	105.33	53	23	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	105.33	53	16	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	105.33	53	15	
123-91-1	1,4-Dioxane	ND	ug/m3	105.33	53	17	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	105.33	53	16	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	105.33	530	22	
591-78-6	2-Hexanone	ND	ug/m3	105.33	53	17	
67-63-0	2-Propanol	ND	ug/m3	105.33	110	44	
107-05-1	3-Chloropropene	ND	ug/m3	105.33	53	17	
622-96-8	4-Ethyltoluene	ND	ug/m3	105.33	53	17	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	105.33	53	17	
67-64-1	Acetone	ND	ug/m3	105.33	530	81	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	105.33	53	12	
71-43-2	Benzene	ND	ug/m3	105.33	53	17	
75-27-4	Bromodichloromethane	ND	ug/m3	105.33	53	16	
75-25-2	Bromoform	ND	ug/m3	105.33	53	16	
74-83-9	Bromomethane	ND	ug/m3	105.33	53	20	
75-15-0	Carbon Disulfide	ND	ug/m3	105.33	530	16	
56-23-5	Carbon Tetrachloride	ND	ug/m3	105.33	53	16	
108-90-7	Chlorobenzene	ND	ug/m3	105.33	53	17	
75-00-3	Chloroethane	ND	ug/m3	105.33	53	18	
67-66-3	Chloroform	95	ug/m3	105.33	53	18	
74-87-3	Chloromethane	ND	ug/m3	105.33	53	16	

156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	105.33	53	17	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	105.33	53	15	
98-82-8	Cumene	ND	ug/m3	105.33	53	16	
110-82-7	Cyclohexane	ND	ug/m3	105.33	110	31	
124-48-1	Dibromochloromethane	ND	ug/m3	105.33	53	17	
64-17-5	Ethanol	ND	ug/m3	105.33	530	84	
100-41-4	Ethyl Benzene	ND	ug/m3	105.33	53	17	
75-69-4	Freon 11	ND	ug/m3	105.33	53	18	
76-13-1	Freon 113	10000	ug/m3	105.33	53	18	
76-14-2	Freon 114	ND	ug/m3	105.33	53	20	
75-71-8	Freon 12	ND	ug/m3	105.33	53	18	
306-83-2	Freon 123	ND	ug/m3	105.33	53	25	
354-23-4	Freon 123a	690	ug/m3	105.33	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	105.33	53	25	
142-82-5	Heptane	ND	ug/m3	105.33	53	18	
87-68-3	Hexachlorobutadiene	ND	ug/m3	105.33	53	15	
110-54-3	Hexane	ND	ug/m3	105.33	53	16	
179601-23-	m,p-Xylene	ND	ug/m3	105.33	110	32	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	105.33	53	18	
75-09-2	Methylene Chloride	ND	ug/m3	105.33	53	18	
95-47-6	o-Xylene	ND	ug/m3	105.33	53	16	
103-65-1	Propylbenzene	ND	ug/m3	105.33	53	17	
100-42-5	Styrene	ND	ug/m3	105.33	53	16	
127-18-4	Tetrachloroethene	ND	ug/m3	105.33	53	15	
109-99-9	Tetrahydrofuran	ND	ug/m3	105.33	53	21	
108-88-3	Toluene	22	ug/m3	105.33	53	18	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	105.33	53	20	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	105.33	53	17	
79-01-6	Trichloroethene	2000	ug/m3	105.33	53	15	
75-01-4	Vinyl Chloride	ND	ug/m3	105.33	53	18	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **11/20/2014**

Sample **1411201026** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	84.5	42	14	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	84.5	42	13	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	84.5	42	14	
75-34-3	1,1-Dichloroethane	ND	ug/m3	84.5	42	14	
75-35-4	1,1-Dichloroethene	ND	ug/m3	84.5	42	14	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	84.5	42	14	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	84.5	42	13	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	84.5	42	14	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	84.5	42	13	
107-06-2	1,2-Dichloroethane	ND	ug/m3	84.5	42	14	
78-87-5	1,2-Dichloropropane	ND	ug/m3	84.5	42	14	

108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	84.5	42	14	
106-99-0	1,3-Butadiene	ND	ug/m3	84.5	42	19	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	84.5	42	13	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	84.5	42	12	
123-91-1	1,4-Dioxane	ND	ug/m3	84.5	42	14	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	84.5	42	13	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	84.5	420	18	
591-78-6	2-Hexanone	ND	ug/m3	84.5	42	14	
67-63-0	2-Propanol	ND	ug/m3	84.5	85	35	
107-05-1	3-Chloropropene	ND	ug/m3	84.5	42	14	
622-96-8	4-Ethyltoluene	ND	ug/m3	84.5	42	14	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	84.5	42	14	
67-64-1	Acetone	ND	ug/m3	84.5	420	65	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	84.5	42	9.3	
71-43-2	Benzene	ND	ug/m3	84.5	42	14	
75-27-4	Bromodichloromethane	ND	ug/m3	84.5	42	13	
75-25-2	Bromoform	ND	ug/m3	84.5	42	13	
74-83-9	Bromomethane	ND	ug/m3	84.5	42	16	
75-15-0	Carbon Disulfide	ND	ug/m3	84.5	420	13	
56-23-5	Carbon Tetrachloride	ND	ug/m3	84.5	42	13	
108-90-7	Chlorobenzene	ND	ug/m3	84.5	42	14	
75-00-3	Chloroethane	ND	ug/m3	84.5	42	14	
67-66-3	Chloroform	72	ug/m3	84.5	42	14	
74-87-3	Chloromethane	ND	ug/m3	84.5	42	13	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	84.5	42	14	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	84.5	42	12	
98-82-8	Cumene	ND	ug/m3	84.5	42	13	
110-82-7	Cyclohexane	ND	ug/m3	84.5	85	25	
124-48-1	Dibromochloromethane	ND	ug/m3	84.5	42	14	
64-17-5	Ethanol	ND	ug/m3	84.5	420	68	
100-41-4	Ethyl Benzene	ND	ug/m3	84.5	42	14	
75-69-4	Freon 11	ND	ug/m3	84.5	42	14	
76-13-1	Freon 113	7300	ug/m3	84.5	42	14	
76-14-2	Freon 114	ND	ug/m3	84.5	42	16	
75-71-8	Freon 12	ND	ug/m3	84.5	42	14	
306-83-2	Freon 123	ND	ug/m3	84.5	42	20	
354-23-4	Freon 123a	530	ug/m3	84.5	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	84.5	42	20	
142-82-5	Heptane	ND	ug/m3	84.5	42	14	
87-68-3	Hexachlorobutadiene	ND	ug/m3	84.5	42	12	
110-54-3	Hexane	ND	ug/m3	84.5	42	13	
179601-23-	m,p-Xylene	ND	ug/m3	84.5	85	25	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	84.5	42	14	
75-09-2	Methylene Chloride	ND	ug/m3	84.5	42	14	
95-47-6	o-Xylene	ND	ug/m3	84.5	42	13	
103-65-1	Propylbenzene	ND	ug/m3	84.5	42	14	

100-42-5	Styrene	ND	ug/m3	84.5	42	13	
127-18-4	Tetrachloroethene	ND	ug/m3	84.5	42	12	
109-99-9	Tetrahydrofuran	ND	ug/m3	84.5	42	17	
108-88-3	Toluene	ND	ug/m3	84.5	42	14	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	84.5	42	16	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	84.5	42	14	
79-01-6	Trichloroethene	1500	ug/m3	84.5	42	12	
75-01-4	Vinyl Chloride	ND	ug/m3	84.5	42	14	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **1/28/2015**

Sample **1501281008** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	8.65	4.3	1.5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	8.65	4.3	1.3	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	8.65	4.3	1.4	
75-34-3	1,1-Dichloroethane	ND	ug/m3	8.65	4.3	1.4	
75-35-4	1,1-Dichloroethene	ND	ug/m3	8.65	4.3	1.5	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	8.65	4.3	1.4	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	8.65	4.3	1.3	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	8.65	4.3	1.4	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	8.65	4.3	1.3	
107-06-2	1,2-Dichloroethane	ND	ug/m3	8.65	4.3	1.4	
78-87-5	1,2-Dichloropropane	ND	ug/m3	8.65	4.3	1.4	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	8.65	4.3	1.4	
106-99-0	1,3-Butadiene	ND	ug/m3	8.65	4.3	1.9	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	8.65	4.3	1.3	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	8.65	4.3	1.2	
123-91-1	1,4-Dioxane	ND	ug/m3	8.65	4.3	1.4	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	8.65	4.3	1.3	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	8.65	43	1.8	
591-78-6	2-Hexanone	ND	ug/m3	8.65	4.3	1.4	
67-63-0	2-Propanol	ND	ug/m3	8.65	8.7	3.6	
107-05-1	3-Chloropropene	ND	ug/m3	8.65	4.3	1.4	
622-96-8	4-Ethyltoluene	ND	ug/m3	8.65	4.3	1.4	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	8.65	4.3	1.4	
67-64-1	Acetone	16	ug/m3	8.65	43	6.7	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	8.65	4.3	0.95	
71-43-2	Benzene	ND	ug/m3	8.65	4.3	1.4	
75-27-4	Bromodichloromethane	ND	ug/m3	8.65	4.3	1.3	
75-25-2	Bromoform	ND	ug/m3	8.65	4.3	1.3	
74-83-9	Bromomethane	ND	ug/m3	8.65	4.3	1.6	
75-15-0	Carbon Disulfide	ND	ug/m3	8.65	43	1.3	
56-23-5	Carbon Tetrachloride	ND	ug/m3	8.65	4.3	1.3	
108-90-7	Chlorobenzene	ND	ug/m3	8.65	4.3	1.4	
75-00-3	Chloroethane	ND	ug/m3	8.65	4.3	1.5	

67-66-3	Chloroform	22	ug/m3	8.65	4.3	1.5	
74-87-3	Chloromethane	ND	ug/m3	8.65	4.3	1.3	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	8.65	4.3	1.4	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	8.65	4.3	1.2	
98-82-8	Cumene	ND	ug/m3	8.65	4.3	1.3	
110-82-7	Cyclohexane	ND	ug/m3	8.65	8.7	2.5	
124-48-1	Dibromochloromethane	ND	ug/m3	8.65	4.3	1.4	
64-17-5	Ethanol	ND	ug/m3	8.65	43	6.9	
100-41-4	Ethyl Benzene	ND	ug/m3	8.65	4.3	1.4	
75-69-4	Freon 11	4	ug/m3	8.65	4.3	1.5	J FB
76-13-1	Freon 113	1800	ug/m3	34.6	17	5.9	D
76-14-2	Freon 114	ND	ug/m3	8.65	4.3	1.6	
75-71-8	Freon 12	2	ug/m3	8.65	4.3	1.5	J FB
306-83-2	Freon 123	ND	ug/m3	8.65	4.3	2.1	
354-23-4	Freon 123a	ND	ug/m3	8.65	NA	NA	
75-43-4	Freon 21	ND	ug/m3	8.65	4.3	2.1	
142-82-5	Heptane	2.7	ug/m3	8.65	4.3	1.5	J
87-68-3	Hexachlorobutadiene	ND	ug/m3	8.65	4.3	1.2	
110-54-3	Hexane	ND	ug/m3	8.65	4.3	1.3	
179601-23-	m,p-Xylene	ND	ug/m3	8.65	8.7	2.6	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	8.65	4.3	1.5	
75-09-2	Methylene Chloride	3.9	ug/m3	8.65	4.3	1.5	J
95-47-6	o-Xylene	ND	ug/m3	8.65	4.3	1.3	
103-65-1	Propylbenzene	ND	ug/m3	8.65	4.3	1.4	
100-42-5	Styrene	ND	ug/m3	8.65	4.3	1.3	
127-18-4	Tetrachloroethene	ND	ug/m3	8.65	4.3	1.2	
109-99-9	Tetrahydrofuran	2.2	ug/m3	8.65	4.3	1.7	J
108-88-3	Toluene	4.9	ug/m3	8.65	4.3	1.5	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	8.65	4.3	1.6	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	8.65	4.3	1.4	
79-01-6	Trichloroethene	460	ug/m3	8.65	4.3	1.2	
75-01-4	Vinyl Chloride	ND	ug/m3	8.65	4.3	1.5	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **4/16/2015**

Sample **1505200835** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3.98	2.0	0.68	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.98	2.0	0.60	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.98	2.0	0.64	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3.98	2.0	0.64	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3.98	2.0	0.68	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.98	2.0	0.64	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3.98	2.0	0.60	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.98	2.0	0.64	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.98	2.0	0.60	

107-06-2	1,2-Dichloroethane	ND	ug/m3	3.98	2.0	0.64	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.98	2.0	0.64	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.98	2.0	0.64	
106-99-0	1,3-Butadiene	ND	ug/m3	3.98	2.0	0.87	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.98	2.0	0.60	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.98	2.0	0.56	
123-91-1	1,4-Dioxane	ND	ug/m3	3.98	2.0	0.64	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.98	2.0	0.60	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.9	ug/m3	3.98	20	0.83	J
591-78-6	2-Hexanone	ND	ug/m3	3.98	2.0	0.64	
67-63-0	2-Propanol	ND	ug/m3	3.98	4.0	1.7	
107-05-1	3-Chloropropene	ND	ug/m3	3.98	2.0	0.64	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.98	2.0	0.64	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3.98	2.0	0.64	
67-64-1	Acetone	20	ug/m3	3.98	20	3.1	J RB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.98	2.0	0.44	
71-43-2	Benzene	ND	ug/m3	3.98	2.0	0.64	
75-27-4	Bromodichloromethane	ND	ug/m3	3.98	2.0	0.60	
75-25-2	Bromoform	ND	ug/m3	3.98	2.0	0.60	
74-83-9	Bromomethane	ND	ug/m3	3.98	2.0	0.76	
75-15-0	Carbon Disulfide	10	ug/m3	3.98	20	0.60	J
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.98	2.0	0.60	
108-90-7	Chlorobenzene	ND	ug/m3	3.98	2.0	0.64	
75-00-3	Chloroethane	ND	ug/m3	3.98	2.0	0.68	
67-66-3	Chloroform	13	ug/m3	3.98	2.0	0.68	
74-87-3	Chloromethane	0.75	ug/m3	3.98	2.0	0.60	J
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.98	2.0	0.64	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.98	2.0	0.56	
98-82-8	Cumene	ND	ug/m3	3.98	2.0	0.60	
110-82-7	Cyclohexane	ND	ug/m3	3.98	4.0	1.2	
124-48-1	Dibromochloromethane	ND	ug/m3	3.98	2.0	0.64	
64-17-5	Ethanol	ND	ug/m3	3.98	20	3.2	
100-41-4	Ethyl Benzene	ND	ug/m3	3.98	2.0	0.64	
75-69-4	Freon 11	3.2	ug/m3	3.98	2.0	0.68	
76-13-1	Freon 113	1200	ug/m3	39.75	20	6.8	D
76-14-2	Freon 114	ND	ug/m3	3.98	2.0	0.76	
75-71-8	Freon 12	2.1	ug/m3	3.98	2.0	0.68	
306-83-2	Freon 123	ND	ug/m3	3.98	2.0	0.95	
354-23-4	Freon 123a	ND	ug/m3	3.98	NA	NA	*
75-43-4	Freon 21	ND	ug/m3	3.98	2.0	0.95	
142-82-5	Heptane	ND	ug/m3	3.98	2.0	0.68	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.98	2.0	0.56	
110-54-3	Hexane	ND	ug/m3	3.98	2.0	0.60	
179601-23-	m,p-Xylene	ND	ug/m3	3.98	4.0	1.2	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.98	2.0	0.68	
75-09-2	Methylene Chloride	0.8	ug/m3	3.98	2.0	0.68	J

95-47-6	o-Xylene	ND	ug/m3	3.98	2.0	0.60	
103-65-1	Propylbenzene	ND	ug/m3	3.98	2.0	0.64	
100-42-5	Styrene	ND	ug/m3	3.98	2.0	0.60	
127-18-4	Tetrachloroethene	ND	ug/m3	3.98	2.0	0.56	
109-99-9	Tetrahydrofuran	ND	ug/m3	3.98	2.0	0.80	
108-88-3	Toluene	ND	ug/m3	3.98	2.0	0.68	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.98	2.0	0.76	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.98	2.0	0.64	
79-01-6	Trichloroethene	300	ug/m3	3.98	2.0	0.56	
75-01-4	Vinyl Chloride	ND	ug/m3	3.98	2.0	0.68	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **8/4/2015**

Sample **1508040903** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	31.4	16	5.3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	31.4	16	4.7	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	31.4	16	5.0	
75-34-3	1,1-Dichloroethane	ND	ug/m3	31.4	16	5.0	
75-35-4	1,1-Dichloroethene	ND	ug/m3	31.4	16	5.3	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	31.4	16	5.0	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	31.4	16	4.7	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	31.4	16	5.0	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	31.4	16	4.7	
107-06-2	1,2-Dichloroethane	ND	ug/m3	31.4	16	5.0	
78-87-5	1,2-Dichloropropane	ND	ug/m3	31.4	16	5.0	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	31.4	16	5.0	
106-99-0	1,3-Butadiene	ND	ug/m3	31.4	16	6.9	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	31.4	16	4.7	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	31.4	16	4.4	
123-91-1	1,4-Dioxane	ND	ug/m3	31.4	16	5.0	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	31.4	16	4.7	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	11	ug/m3	31.4	160	6.6	J
591-78-6	2-Hexanone	ND	ug/m3	31.4	16	5.0	
67-63-0	2-Propanol	ND	ug/m3	31.4	31	13	
107-05-1	3-Chloropropene	ND	ug/m3	31.4	16	5.0	
622-96-8	4-Ethyltoluene	ND	ug/m3	31.4	16	5.0	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	31.4	16	5.0	
67-64-1	Acetone	92	ug/m3	31.4	160	24	J
100-44-7	alpha-Chlorotoluene	ND	ug/m3	31.4	16	3.5	
71-43-2	Benzene	ND	ug/m3	31.4	16	5.0	
75-27-4	Bromodichloromethane	ND	ug/m3	31.4	16	4.7	
75-25-2	Bromoform	ND	ug/m3	31.4	16	4.7	
74-83-9	Bromomethane	ND	ug/m3	31.4	16	6.0	
75-15-0	Carbon Disulfide	ND	ug/m3	31.4	160	4.7	
56-23-5	Carbon Tetrachloride	ND	ug/m3	31.4	16	4.7	

108-90-7	Chlorobenzene	ND	ug/m3	31.4	16	5.0	
75-00-3	Chloroethane	ND	ug/m3	31.4	16	5.3	
67-66-3	Chloroform	85	ug/m3	31.4	16	5.3	
74-87-3	Chloromethane	ND	ug/m3	31.4	16	4.7	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	31.4	16	5.0	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	31.4	16	4.4	
98-82-8	Cumene	ND	ug/m3	31.4	16	4.7	
110-82-7	Cyclohexane	ND	ug/m3	31.4	31	9.1	
124-48-1	Dibromochloromethane	ND	ug/m3	31.4	16	5.0	
64-17-5	Ethanol	ND	ug/m3	31.4	160	25	
100-41-4	Ethyl Benzene	ND	ug/m3	31.4	16	5.0	
75-69-4	Freon 11	12	ug/m3	31.4	16	5.3	J
76-13-1	Freon 113	5200	ug/m3	157	79	27	D
76-14-2	Freon 114	ND	ug/m3	31.4	16	6.0	
75-71-8	Freon 12	ND	ug/m3	31.4	16	5.3	
306-83-2	Freon 123	ND	ug/m3	31.4	16	7.5	
354-23-4	Freon 123a	820	ug/m3	31.4	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	31.4	16	7.5	
142-82-5	Heptane	ND	ug/m3	31.4	16	5.3	
87-68-3	Hexachlorobutadiene	ND	ug/m3	31.4	16	4.4	
110-54-3	Hexane	ND	ug/m3	31.4	16	4.7	
179601-23-	m,p-Xylene	ND	ug/m3	31.4	31	9.4	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	31.4	16	5.3	
75-09-2	Methylene Chloride	ND	ug/m3	31.4	16	5.3	
95-47-6	o-Xylene	ND	ug/m3	31.4	16	4.7	
103-65-1	Propylbenzene	ND	ug/m3	31.4	16	5.0	
100-42-5	Styrene	ND	ug/m3	31.4	16	4.7	
127-18-4	Tetrachloroethene	ND	ug/m3	31.4	16	4.4	
109-99-9	Tetrahydrofuran	ND	ug/m3	31.4	16	6.3	
108-88-3	Toluene	ND	ug/m3	31.4	16	5.3	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	31.4	16	6.0	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	31.4	16	5.0	
79-01-6	Trichloroethene	1700	ug/m3	157	79	22	D
75-01-4	Vinyl Chloride	ND	ug/m3	31.4	16	5.3	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **10/22/2015**

Sample **1510220950** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	64	32	11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	64	32	9.6	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	64	32	10	
75-34-3	1,1-Dichloroethane	ND	ug/m3	64	32	10	
75-35-4	1,1-Dichloroethene	ND	ug/m3	64	32	11	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	64	32	10	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	64	32	9.6	

106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	64	32	10	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	64	32	9.6	
107-06-2	1,2-Dichloroethane	ND	ug/m3	64	32	10	
78-87-5	1,2-Dichloropropane	ND	ug/m3	64	32	10	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	64	32	10	
106-99-0	1,3-Butadiene	ND	ug/m3	64	32	14	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	64	32	9.6	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	64	32	9.0	
123-91-1	1,4-Dioxane	ND	ug/m3	64	32	10	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	64	32	9.6	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	64	320	13	
591-78-6	2-Hexanone	ND	ug/m3	64	32	10	
67-63-0	2-Propanol	ND	ug/m3	64	64	27	
107-05-1	3-Chloropropene	ND	ug/m3	64	32	10	
622-96-8	4-Ethyltoluene	ND	ug/m3	64	32	10	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	64	32	10	
67-64-1	Acetone	ND	ug/m3	64	320	49	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	64	32	7.0	
71-43-2	Benzene	ND	ug/m3	64	32	10	
75-27-4	Bromodichloromethane	ND	ug/m3	64	32	9.6	
75-25-2	Bromoform	ND	ug/m3	64	32	9.6	
74-83-9	Bromomethane	ND	ug/m3	64	32	12	
75-15-0	Carbon Disulfide	ND	ug/m3	64	320	9.6	
56-23-5	Carbon Tetrachloride	ND	ug/m3	64	32	9.6	
108-90-7	Chlorobenzene	ND	ug/m3	64	32	10	
75-00-3	Chloroethane	ND	ug/m3	64	32	11	
67-66-3	Chloroform	54	ug/m3	64	32	11	
74-87-3	Chloromethane	ND	ug/m3	64	32	9.6	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	64	32	10	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	64	32	9.0	
98-82-8	Cumene	ND	ug/m3	64	32	9.6	
110-82-7	Cyclohexane	ND	ug/m3	64	64	19	
124-48-1	Dibromochloromethane	ND	ug/m3	64	32	10	
64-17-5	Ethanol	ND	ug/m3	64	320	51	
100-41-4	Ethyl Benzene	ND	ug/m3	64	32	10	
75-69-4	Freon 11	ND	ug/m3	64	32	11	
76-13-1	Freon 113	5500	ug/m3	64	32	11	
76-14-2	Freon 114	ND	ug/m3	64	32	12	
75-71-8	Freon 12	ND	ug/m3	64	32	11	
306-83-2	Freon 123	ND	ug/m3	64	32	15	
354-23-4	Freon 123a	590	ug/m3	64	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	64	32	15	
142-82-5	Heptane	ND	ug/m3	64	32	11	
87-68-3	Hexachlorobutadiene	ND	ug/m3	64	32	9.0	
110-54-3	Hexane	ND	ug/m3	64	32	9.6	
179601-23-	m,p-Xylene	ND	ug/m3	64	64	19	

1634-04-4	Methyl tert-butyl ether	ND	ug/m3	64	32	11	
75-09-2	Methylene Chloride	ND	ug/m3	64	32	11	
95-47-6	o-Xylene	ND	ug/m3	64	32	9.6	
103-65-1	Propylbenzene	ND	ug/m3	64	32	10	
100-42-5	Styrene	ND	ug/m3	64	32	9.6	
127-18-4	Tetrachloroethene	ND	ug/m3	64	32	9.0	
109-99-9	Tetrahydrofuran	ND	ug/m3	64	32	13	
108-88-3	Toluene	19	ug/m3	64	32	11	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	64	32	12	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	64	32	10	
79-01-6	Trichloroethene	1300	ug/m3	64	32	9.0	
75-01-4	Vinyl Chloride	ND	ug/m3	64	32	11	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **1/20/2016**

Sample **1601201338** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	81	41	14	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	81	41	12	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	81	41	13	
75-34-3	1,1-Dichloroethane	ND	ug/m3	81	41	13	
75-35-4	1,1-Dichloroethene	ND	ug/m3	81	41	14	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	81	41	13	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	81	41	12	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	81	41	13	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	81	41	12	
107-06-2	1,2-Dichloroethane	ND	ug/m3	81	41	13	
17060-07-0	1,2-Dichloroethane-d4	507	ug/m3	40	NA	NA	
78-87-5	1,2-Dichloropropane	ND	ug/m3	81	41	13	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	81	41	13	
106-99-0	1,3-Butadiene	ND	ug/m3	81	41	18	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	81	41	12	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	81	41	11	
123-91-1	1,4-Dioxane	ND	ug/m3	81	41	13	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	81	41	12	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	81	410	17	
591-78-6	2-Hexanone	ND	ug/m3	81	41	13	
67-63-0	2-Propanol	ND	ug/m3	81	81	34	
107-05-1	3-Chloropropene	ND	ug/m3	81	41	13	
622-96-8	4-Ethyltoluene	ND	ug/m3	81	41	13	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	81	41	13	
67-64-1	Acetone	ND	ug/m3	81	410	62	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	81	41	8.9	
71-43-2	Benzene	ND	ug/m3	81	41	13	
75-27-4	Bromodichloromethane	ND	ug/m3	81	41	12	
460-00-4	Bromofluorobenzene	503	ug/m3	40	NA	NA	

75-25-2	Bromoform	ND	ug/m3	81	41	12	
74-83-9	Bromomethane	ND	ug/m3	81	41	15	
75-15-0	Carbon Disulfide	ND	ug/m3	81	410	12	
56-23-5	Carbon Tetrachloride	ND	ug/m3	81	41	12	
108-90-7	Chlorobenzene	ND	ug/m3	81	41	13	
75-00-3	Chloroethane	ND	ug/m3	81	41	14	
67-66-3	Chloroform	77	ug/m3	81	41	14	
74-87-3	Chloromethane	ND	ug/m3	81	41	12	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	81	41	13	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	81	41	11	
98-82-8	Cumene	ND	ug/m3	81	41	12	
110-82-7	Cyclohexane	ND	ug/m3	81	81	23	
124-48-1	Dibromochloromethane	ND	ug/m3	81	41	13	
64-17-5	Ethanol	ND	ug/m3	81	410	65	
100-41-4	Ethyl Benzene	ND	ug/m3	81	41	13	
75-69-4	Freon 11	ND	ug/m3	81	41	14	
76-13-1	Freon 113	6900	ug/m3	81	41	14	
76-14-2	Freon 114	ND	ug/m3	81	41	15	
75-71-8	Freon 12	ND	ug/m3	81	41	14	
306-83-2	Freon 123	ND	ug/m3	81	41	19	U,X
354-23-4	Freon 123a	680	ug/m3	81	NA	NA	T
75-43-4	Freon 21	ND	ug/m3	81	41	19	U,X
142-82-5	Heptane	ND	ug/m3	81	41	14	
87-68-3	Hexachlorobutadiene	ND	ug/m3	81	41	11	
110-54-3	Hexane	ND	ug/m3	81	41	12	
179601-23-	m,p-Xylene	ND	ug/m3	81	81	24	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	81	41	14	
75-09-2	Methylene Chloride	ND	ug/m3	81	41	14	
95-47-6	o-Xylene	ND	ug/m3	81	41	12	
103-65-1	Propylbenzene	ND	ug/m3	81	41	13	
100-42-5	Styrene	ND	ug/m3	81	41	12	
127-18-4	Tetrachloroethene	ND	ug/m3	81	41	11	
109-99-9	Tetrahydrofuran	ND	ug/m3	81	41	16	
108-88-3	Toluene	ND	ug/m3	81	41	14	
2037-26-5	Toluene-d8	495	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	81	41	15	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	81	41	13	
79-01-6	Trichloroethene	1600	ug/m3	81	41	11	
75-01-4	Vinyl Chloride	ND	ug/m3	81	41	14	

Borehole **600-SGW-5** **Depth (ft)** **52.5** **Depth (m)** **16.00** **Event Date** **1/20/2016**

Sample **1601201345** **Sample Type** **Soil Gas-D** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	64.4	32	11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	64.4	32	9.7	

79-00-5	1,1,2-Trichloroethane	ND	ug/m3	64.4	32	10	
75-34-3	1,1-Dichloroethane	ND	ug/m3	64.4	32	10	
75-35-4	1,1-Dichloroethene	ND	ug/m3	64.4	32	11	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	64.4	32	10	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	64.4	32	9.7	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	64.4	32	10	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	64.4	32	9.7	
107-06-2	1,2-Dichloroethane	ND	ug/m3	64.4	32	10	
17060-07-0	1,2-Dichloroethane-d4	493	ug/m3	40	NA	NA	
78-87-5	1,2-Dichloropropane	ND	ug/m3	64.4	32	10	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	64.4	32	10	
106-99-0	1,3-Butadiene	ND	ug/m3	64.4	32	14	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	64.4	32	9.7	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	64.4	32	9.0	
123-91-1	1,4-Dioxane	ND	ug/m3	64.4	32	10	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	64.4	32	9.7	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	64.4	320	14	
591-78-6	2-Hexanone	ND	ug/m3	64.4	32	10	
67-63-0	2-Propanol	ND	ug/m3	64.4	64	27	
107-05-1	3-Chloropropene	ND	ug/m3	64.4	32	10	
622-96-8	4-Ethyltoluene	ND	ug/m3	64.4	32	10	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	64.4	32	10	
67-64-1	Acetone	ND	ug/m3	64.4	320	50	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	64.4	32	7.1	
71-43-2	Benzene	ND	ug/m3	64.4	32	10	
75-27-4	Bromodichloromethane	ND	ug/m3	64.4	32	9.7	
460-00-4	Bromofluorobenzene	502	ug/m3	40	NA	NA	
75-25-2	Bromoform	ND	ug/m3	64.4	32	9.7	
74-83-9	Bromomethane	ND	ug/m3	64.4	32	12	
75-15-0	Carbon Disulfide	ND	ug/m3	64.4	320	9.7	
56-23-5	Carbon Tetrachloride	ND	ug/m3	64.4	32	9.7	
108-90-7	Chlorobenzene	ND	ug/m3	64.4	32	10	
75-00-3	Chloroethane	ND	ug/m3	64.4	32	11	
67-66-3	Chloroform	84	ug/m3	64.4	32	11	
74-87-3	Chloromethane	ND	ug/m3	64.4	32	9.7	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	64.4	32	10	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	64.4	32	9.0	
98-82-8	Cumene	ND	ug/m3	64.4	32	9.7	
110-82-7	Cyclohexane	ND	ug/m3	64.4	64	19	
124-48-1	Dibromochloromethane	ND	ug/m3	64.4	32	10	
64-17-5	Ethanol	ND	ug/m3	64.4	320	52	
100-41-4	Ethyl Benzene	ND	ug/m3	64.4	32	10	
75-69-4	Freon 11	12	ug/m3	64.4	32	11	J
76-13-1	Freon 113	6700	ug/m3	107.33	54	18	D
76-14-2	Freon 114	ND	ug/m3	64.4	32	12	
75-71-8	Freon 12	ND	ug/m3	64.4	32	11	

306-83-2	Freon 123	ND	ug/m3	64.4	32	15	U,X
354-23-4	Freon 123a	730	ug/m3	64.4	NA	NA	T
75-43-4	Freon 21	ND	ug/m3	64.4	32	15	U,X
142-82-5	Heptane	ND	ug/m3	64.4	32	11	
87-68-3	Hexachlorobutadiene	ND	ug/m3	64.4	32	9.0	
110-54-3	Hexane	ND	ug/m3	64.4	32	9.7	
179601-23-	m,p-Xylene	ND	ug/m3	64.4	64	19	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	64.4	32	11	
75-09-2	Methylene Chloride	ND	ug/m3	64.4	32	11	
95-47-6	o-Xylene	ND	ug/m3	64.4	32	9.7	
103-65-1	Propylbenzene	ND	ug/m3	64.4	32	10	
100-42-5	Styrene	ND	ug/m3	64.4	32	9.7	
127-18-4	Tetrachloroethene	ND	ug/m3	64.4	32	9.0	
109-99-9	Tetrahydrofuran	ND	ug/m3	64.4	32	13	
108-88-3	Toluene	ND	ug/m3	64.4	32	11	
2037-26-5	Toluene-d8	497	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	64.4	32	12	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	64.4	32	10	
79-01-6	Trichloroethene	1700	ug/m3	64.4	32	9.0	
75-01-4	Vinyl Chloride	ND	ug/m3	64.4	32	11	

Borehole 600-SGW-5 **Depth (ft)** 102.5 **Depth (m)** 31.24 **Event Date** 3/25/2013

Sample 1303250842 **Sample Type** Soil Gas **Analysis Method** TO-15

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	220	110	31	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	220	110	33	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	220	110	29	
75-34-3	1,1-Dichloroethane	ND	ug/m3	220	110	31	
75-35-4	1,1-Dichloroethene	ND	ug/m3	220	110	35	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	220	110	40	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	220	110	33	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	220	110	33	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	220	110	35	
107-06-2	1,2-Dichloroethane	ND	ug/m3	220	110	31	
78-87-5	1,2-Dichloropropane	ND	ug/m3	220	110	31	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	220	110	33	
106-99-0	1,3-Butadiene	ND	ug/m3	220	110	35	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	220	110	31	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	220	110	33	
123-91-1	1,4-Dioxane	ND	ug/m3	220	110	31	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	220	110	29	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	220	1100	44	
591-78-6	2-Hexanone	ND	ug/m3	220	110	42	
67-63-0	2-Propanol	ND	ug/m3	220	220	75	
107-05-1	3-Chloropropene	ND	ug/m3	220	110	31	
622-96-8	4-Ethyltoluene	ND	ug/m3	220	110	33	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	220	110	35	
67-64-1	Acetone	ND	ug/m3	220	1100	240	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	220	110	33	
71-43-2	Benzene	ND	ug/m3	220	110	31	
75-27-4	Bromodichloromethane	ND	ug/m3	220	110	33	
75-25-2	Bromoform	ND	ug/m3	220	110	35	
74-83-9	Bromomethane	ND	ug/m3	220	110	31	
75-15-0	Carbon Disulfide	ND	ug/m3	220	1100	29	
56-23-5	Carbon Tetrachloride	ND	ug/m3	220	110	33	
108-90-7	Chlorobenzene	ND	ug/m3	220	110	33	
75-00-3	Chloroethane	ND	ug/m3	220	110	31	
67-66-3	Chloroform	100	ug/m3	220	110	31	J
74-87-3	Chloromethane	ND	ug/m3	220	110	33	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	220	110	35	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	220	110	29	
98-82-8	Cumene	ND	ug/m3	220	110	31	
110-82-7	Cyclohexane	ND	ug/m3	220	220	57	
124-48-1	Dibromochloromethane	ND	ug/m3	220	110	33	
64-17-5	Ethanol	ND	ug/m3	220	1100	200	

100-41-4	Ethyl Benzene	ND	ug/m3	220	110	33	
75-69-4	Freon 11	ND	ug/m3	220	110	29	
76-13-1	Freon 113	16000	ug/m3	220	110	44	
76-14-2	Freon 114	ND	ug/m3	220	110	31	
75-71-8	Freon 12	ND	ug/m3	220	110	31	
306-83-2	Freon 123	ND	ug/m3	220	110	53	
354-23-4	Freon 123a	ND	ug/m3	220	NA	NA	*
75-43-4	Freon 21	ND	ug/m3	220	110	53	
142-82-5	Heptane	ND	ug/m3	220	110	31	
87-68-3	Hexachlorobutadiene	ND	ug/m3	220	110	31	
110-54-3	Hexane	ND	ug/m3	220	110	35	
1330-20-7	m,p-Xylene	ND	ug/m3	220	220	64	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	220	110	31	
75-09-2	Methylene Chloride	50	ug/m3	220	110	33	J
95-47-6	o-Xylene	ND	ug/m3	220	110	35	
103-65-1	Propylbenzene	ND	ug/m3	220	110	37	
100-42-5	Styrene	ND	ug/m3	220	110	33	
127-18-4	Tetrachloroethene	ND	ug/m3	220	110	26	
109-99-9	Tetrahydrofuran	ND	ug/m3	220	110	57	
108-88-3	Toluene	ND	ug/m3	220	110	31	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	220	110	33	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	220	110	29	
79-01-6	Trichloroethene	2500	ug/m3	220	110	31	
75-01-4	Vinyl Chloride	ND	ug/m3	220	110	33	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **7/16/2013**

Sample **1307160755** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	1.9	ug/m3	3.88	1.9	0.66	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.88	1.9	0.58	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.88	1.9	0.62	
75-34-3	1,1-Dichloroethane	7.6	ug/m3	3.88	1.9	0.62	
75-35-4	1,1-Dichloroethene	25	ug/m3	3.88	1.9	0.66	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.88	1.9	0.62	
95-63-6	1,2,4-Trimethylbenzene	2.2	ug/m3	3.88	1.9	0.58	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.88	1.9	0.62	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.88	1.9	0.58	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.88	1.9	0.62	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.88	1.9	0.62	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.88	1.9	0.62	
106-99-0	1,3-Butadiene	ND	ug/m3	3.88	1.9	0.85	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.88	1.9	0.58	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.88	1.9	0.54	
123-91-1	1,4-Dioxane	ND	ug/m3	3.88	1.9	0.62	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.88	1.9	0.58	

78-93-3	2-Butanone (Methyl Ethyl Ketone)	7.5	ug/m3	3.88	19	0.81	J
591-78-6	2-Hexanone	1.7	ug/m3	3.88	1.9	0.62	J
67-63-0	2-Propanol	1.7	ug/m3	3.88	3.9	1.6	J
107-05-1	3-Chloropropene	ND	ug/m3	3.88	1.9	0.62	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.88	1.9	0.62	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3.88	1.9	0.62	
67-64-1	Acetone	39	ug/m3	3.88	19	3.0	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.88	1.9	0.43	
71-43-2	Benzene	ND	ug/m3	3.88	1.9	0.62	
75-27-4	Bromodichloromethane	ND	ug/m3	3.88	1.9	0.58	
75-25-2	Bromoform	ND	ug/m3	3.88	1.9	0.58	
74-83-9	Bromomethane	ND	ug/m3	3.88	1.9	0.74	
75-15-0	Carbon Disulfide	7.1	ug/m3	3.88	19	0.58	J
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.88	1.9	0.58	
108-90-7	Chlorobenzene	ND	ug/m3	3.88	1.9	0.62	
75-00-3	Chloroethane	ND	ug/m3	3.88	1.9	0.66	
67-66-3	Chloroform	110	ug/m3	3.88	1.9	0.66	A
74-87-3	Chloromethane	ND	ug/m3	3.88	1.9	0.58	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.88	1.9	0.62	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.88	1.9	0.54	
98-82-8	Cumene	ND	ug/m3	3.88	1.9	0.58	
110-82-7	Cyclohexane	ND	ug/m3	3.88	3.9	1.1	
124-48-1	Dibromochloromethane	ND	ug/m3	3.88	1.9	0.62	
64-17-5	Ethanol	ND	ug/m3	3.88	19	3.1	
100-41-4	Ethyl Benzene	ND	ug/m3	3.88	1.9	0.62	
75-69-4	Freon 11	22	ug/m3	3.88	1.9	0.66	A
76-13-1	Freon 113	5100	ug/m3	83.6	42	14	D
76-14-2	Freon 114	ND	ug/m3	3.88	1.9	0.74	
75-71-8	Freon 12	2.3	ug/m3	3.88	1.9	0.66	
306-83-2	Freon 123	6.1	ug/m3	3.88	1.9	0.93	
354-23-4	Freon 123a	830	ug/m3	3.88	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	3.88	1.9	0.93	
142-82-5	Heptane	ND	ug/m3	3.88	1.9	0.66	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.88	1.9	0.54	
110-54-3	Hexane	ND	ug/m3	3.88	1.9	0.58	
179601-23-	m,p-Xylene	1.3	ug/m3	3.88	3.9	1.2	J
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.88	1.9	0.66	
75-09-2	Methylene Chloride	4	ug/m3	3.88	1.9	0.66	
95-47-6	o-Xylene	0.6	ug/m3	3.88	1.9	0.58	J
103-65-1	Propylbenzene	ND	ug/m3	3.88	1.9	0.62	
100-42-5	Styrene	ND	ug/m3	3.88	1.9	0.58	
127-18-4	Tetrachloroethene	2.8	ug/m3	3.88	1.9	0.54	
109-99-9	Tetrahydrofuran	ND	ug/m3	3.88	1.9	0.78	
108-88-3	Toluene	ND	ug/m3	3.88	1.9	0.66	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.88	1.9	0.74	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.88	1.9	0.62	

79-01-6	Trichloroethene	650	ug/m3	83.6	42	12	D
75-01-4	Vinyl Chloride	ND	ug/m3	3.88	1.9	0.66	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **7/16/2013**

Sample **1307160756** **Sample Type** **Soil Gas - D** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	2	ug/m3	3.88	1.9	0.66	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.88	1.9	0.58	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.88	1.9	0.62	
75-34-3	1,1-Dichloroethane	8.1	ug/m3	3.88	1.9	0.62	
75-35-4	1,1-Dichloroethene	26	ug/m3	3.88	1.9	0.66	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.88	1.9	0.62	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3.88	1.9	0.58	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.88	1.9	0.62	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.88	1.9	0.58	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.88	1.9	0.62	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.88	1.9	0.62	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.88	1.9	0.62	
106-99-0	1,3-Butadiene	ND	ug/m3	3.88	1.9	0.85	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.88	1.9	0.58	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.88	1.9	0.54	
123-91-1	1,4-Dioxane	ND	ug/m3	3.88	1.9	0.62	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.88	1.9	0.58	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	5.6	ug/m3	3.88	19	0.81	J
591-78-6	2-Hexanone	1.3	ug/m3	3.88	1.9	0.62	J
67-63-0	2-Propanol	ND	ug/m3	3.88	3.9	1.6	
107-05-1	3-Chloropropene	ND	ug/m3	3.88	1.9	0.62	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.88	1.9	0.62	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3.88	1.9	0.62	
67-64-1	Acetone	33	ug/m3	3.88	19	3.0	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.88	1.9	0.43	
71-43-2	Benzene	ND	ug/m3	3.88	1.9	0.62	
75-27-4	Bromodichloromethane	ND	ug/m3	3.88	1.9	0.58	
75-25-2	Bromoform	ND	ug/m3	3.88	1.9	0.58	
74-83-9	Bromomethane	ND	ug/m3	3.88	1.9	0.74	
75-15-0	Carbon Disulfide	11	ug/m3	3.88	19	0.58	J
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.88	1.9	0.58	
108-90-7	Chlorobenzene	ND	ug/m3	3.88	1.9	0.62	
75-00-3	Chloroethane	ND	ug/m3	3.88	1.9	0.66	
67-66-3	Chloroform	110	ug/m3	3.88	1.9	0.66	A
74-87-3	Chloromethane	ND	ug/m3	3.88	1.9	0.58	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.88	1.9	0.62	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.88	1.9	0.54	
98-82-8	Cumene	ND	ug/m3	3.88	1.9	0.58	
110-82-7	Cyclohexane	ND	ug/m3	3.88	3.9	1.1	

124-48-1	Dibromochloromethane	ND	ug/m3	3.88	1.9	0.62	
64-17-5	Ethanol	3.6	ug/m3	3.88	19	3.1	J
100-41-4	Ethyl Benzene	ND	ug/m3	3.88	1.9	0.62	
75-69-4	Freon 11	23	ug/m3	3.88	1.9	0.66	A
76-13-1	Freon 113	13000	ug/m3	230	120	39	D
76-14-2	Freon 114	ND	ug/m3	3.88	1.9	0.74	
75-71-8	Freon 12	2.4	ug/m3	3.88	1.9	0.66	
306-83-2	Freon 123	6.5	ug/m3	3.88	1.9	0.93	
354-23-4	Freon 123a	840	ug/m3	3.88	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	3.88	1.9	0.93	
142-82-5	Heptane	ND	ug/m3	3.88	1.9	0.66	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.88	1.9	0.54	
110-54-3	Hexane	ND	ug/m3	3.88	1.9	0.58	
179601-23-	m,p-Xylene	ND	ug/m3	3.88	3.9	1.2	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.88	1.9	0.66	
75-09-2	Methylene Chloride	4.2	ug/m3	3.88	1.9	0.66	
95-47-6	o-Xylene	ND	ug/m3	3.88	1.9	0.58	
103-65-1	Propylbenzene	ND	ug/m3	3.88	1.9	0.62	
100-42-5	Styrene	ND	ug/m3	3.88	1.9	0.58	
127-18-4	Tetrachloroethene	2.8	ug/m3	3.88	1.9	0.54	
109-99-9	Tetrahydrofuran	ND	ug/m3	3.88	1.9	0.78	
108-88-3	Toluene	ND	ug/m3	3.88	1.9	0.66	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.88	1.9	0.74	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.88	1.9	0.62	
79-01-6	Trichloroethene	1800	ug/m3	230	120	32	D
75-01-4	Vinyl Chloride	ND	ug/m3	3.88	1.9	0.66	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **11/13/2013**

Sample **1311131320** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	195	98	33	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	195	98	29	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	195	98	31	
75-34-3	1,1-Dichloroethane	ND	ug/m3	195	98	31	
75-35-4	1,1-Dichloroethene	ND	ug/m3	195	98	33	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	195	98	31	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	195	98	29	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	195	98	31	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	195	98	29	
107-06-2	1,2-Dichloroethane	ND	ug/m3	195	98	31	
78-87-5	1,2-Dichloropropane	ND	ug/m3	195	98	31	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	195	98	31	
106-99-0	1,3-Butadiene	ND	ug/m3	195	98	43	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	195	98	29	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	195	98	27	

123-91-1	1,4-Dioxane	ND	ug/m3	195	98	31	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	195	98	29	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	195	980	41	
591-78-6	2-Hexanone	ND	ug/m3	195	98	31	
67-63-0	2-Propanol	ND	ug/m3	195	200	82	
107-05-1	3-Chloropropene	ND	ug/m3	195	98	31	
622-96-8	4-Ethyltoluene	ND	ug/m3	195	98	31	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	195	98	31	
67-64-1	Acetone	ND	ug/m3	195	980	150	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	195	98	21	
71-43-2	Benzene	ND	ug/m3	195	98	31	
75-27-4	Bromodichloromethane	ND	ug/m3	195	98	29	
75-25-2	Bromoform	ND	ug/m3	195	98	29	
74-83-9	Bromomethane	ND	ug/m3	195	98	37	
75-15-0	Carbon Disulfide	ND	ug/m3	195	980	29	
56-23-5	Carbon Tetrachloride	ND	ug/m3	195	98	29	
108-90-7	Chlorobenzene	ND	ug/m3	195	98	31	
75-00-3	Chloroethane	ND	ug/m3	195	98	33	
67-66-3	Chloroform	100	ug/m3	195	98	33	
74-87-3	Chloromethane	ND	ug/m3	195	98	29	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	195	98	31	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	195	98	27	
98-82-8	Cumene	ND	ug/m3	195	98	29	
110-82-7	Cyclohexane	ND	ug/m3	195	200	57	
124-48-1	Dibromochloromethane	ND	ug/m3	195	98	31	
64-17-5	Ethanol	ND	ug/m3	195	980	160	
100-41-4	Ethyl Benzene	ND	ug/m3	195	98	31	
75-69-4	Freon 11	ND	ug/m3	195	98	33	
76-13-1	Freon 113	16000	ug/m3	195	98	33	
76-14-2	Freon 114	ND	ug/m3	195	98	37	
75-71-8	Freon 12	ND	ug/m3	195	98	33	
306-83-2	Freon 123	ND	ug/m3	195	98	47	
354-23-4	Freon 123a	660	ug/m3	195	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	195	98	47	
142-82-5	Heptane	ND	ug/m3	195	98	33	
87-68-3	Hexachlorobutadiene	ND	ug/m3	195	98	27	
110-54-3	Hexane	ND	ug/m3	195	98	29	
179601-23-	m,p-Xylene	ND	ug/m3	195	200	59	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	195	98	33	
75-09-2	Methylene Chloride	ND	ug/m3	195	98	33	
95-47-6	o-Xylene	ND	ug/m3	195	98	29	
103-65-1	Propylbenzene	ND	ug/m3	195	98	31	
100-42-5	Styrene	ND	ug/m3	195	98	29	
127-18-4	Tetrachloroethene	ND	ug/m3	195	98	27	
109-99-9	Tetrahydrofuran	ND	ug/m3	195	98	39	
108-88-3	Toluene	ND	ug/m3	195	98	33	

156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	195	98	37
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	195	98	31
79-01-6	Trichloroethene	2500	ug/m3	195	98	27
75-01-4	Vinyl Chloride	ND	ug/m3	195	98	33

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **1/29/2014**

Sample **1401291000** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	34.75	17	5.9	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	34.75	17	5.2	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	34.75	17	5.6	
75-34-3	1,1-Dichloroethane	ND	ug/m3	34.75	17	5.6	
75-35-4	1,1-Dichloroethene	11	ug/m3	34.75	17	5.9	J
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	34.75	17	5.6	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	34.75	17	5.2	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	34.75	17	5.6	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	34.75	17	5.2	
107-06-2	1,2-Dichloroethane	ND	ug/m3	34.75	17	5.6	
78-87-5	1,2-Dichloropropane	ND	ug/m3	34.75	17	5.6	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	34.75	17	5.6	
106-99-0	1,3-Butadiene	ND	ug/m3	34.75	17	7.6	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	34.75	17	5.2	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	34.75	17	4.9	
123-91-1	1,4-Dioxane	ND	ug/m3	34.75	17	5.6	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	34.75	17	5.2	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	34.75	170	7.3	
591-78-6	2-Hexanone	ND	ug/m3	34.75	17	5.6	
67-63-0	2-Propanol	44	ug/m3	34.75	35	15	
107-05-1	3-Chloropropene	ND	ug/m3	34.75	17	5.6	
622-96-8	4-Ethyltoluene	ND	ug/m3	34.75	17	5.6	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	34.75	17	5.6	
67-64-1	Acetone	ND	ug/m3	34.75	170	27	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	34.75	17	3.8	
71-43-2	Benzene	ND	ug/m3	34.75	17	5.6	
75-27-4	Bromodichloromethane	ND	ug/m3	34.75	17	5.2	
75-25-2	Bromoform	ND	ug/m3	34.75	17	5.2	
74-83-9	Bromomethane	ND	ug/m3	34.75	17	6.6	
75-15-0	Carbon Disulfide	ND	ug/m3	34.75	170	5.2	
56-23-5	Carbon Tetrachloride	ND	ug/m3	34.75	17	5.2	
108-90-7	Chlorobenzene	ND	ug/m3	34.75	17	5.6	
75-00-3	Chloroethane	ND	ug/m3	34.75	17	5.9	
67-66-3	Chloroform	58	ug/m3	34.75	17	5.9	
74-87-3	Chloromethane	ND	ug/m3	34.75	17	5.2	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	34.75	17	5.6	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	34.75	17	4.9	

98-82-8	Cumene	ND	ug/m3	34.75	17	5.2	
110-82-7	Cyclohexane	13	ug/m3	34.75	35	10	J
124-48-1	Dibromochloromethane	ND	ug/m3	34.75	17	5.6	
64-17-5	Ethanol	29	ug/m3	34.75	170	28	J
100-41-4	Ethyl Benzene	ND	ug/m3	34.75	17	5.6	
75-69-4	Freon 11	13	ug/m3	34.75	17	5.9	J
76-13-1	Freon 113	7200	ug/m3	139	70	24	D
76-14-2	Freon 114	ND	ug/m3	34.75	17	6.6	
75-71-8	Freon 12	ND	ug/m3	34.75	17	5.9	
306-83-2	Freon 123	ND	ug/m3	34.75	17	8.3	
354-23-4	Freon 123a	ND	ug/m3	34.75	NA	NA	ND
75-43-4	Freon 21	ND	ug/m3	34.75	17	8.3	
142-82-5	Heptane	ND	ug/m3	34.75	17	5.9	
87-68-3	Hexachlorobutadiene	ND	ug/m3	34.75	17	4.9	
110-54-3	Hexane	6.6	ug/m3	34.75	17	5.2	J
179601-23-	m,p-Xylene	ND	ug/m3	34.75	35	10	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	34.75	17	5.9	
75-09-2	Methylene Chloride	6	ug/m3	34.75	17	5.9	J
95-47-6	o-Xylene	ND	ug/m3	34.75	17	5.2	
103-65-1	Propylbenzene	ND	ug/m3	34.75	17	5.6	
100-42-5	Styrene	ND	ug/m3	34.75	17	5.2	
127-18-4	Tetrachloroethene	ND	ug/m3	34.75	17	4.9	
109-99-9	Tetrahydrofuran	ND	ug/m3	34.75	17	7.0	
108-88-3	Toluene	56	ug/m3	34.75	17	5.9	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	34.75	17	6.6	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	34.75	17	5.6	
79-01-6	Trichloroethene	1400	ug/m3	34.75	17	4.9	
75-01-4	Vinyl Chloride	ND	ug/m3	34.75	17	5.9	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **4/21/2014**

Sample **1404211330** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	12.65	6.3	2.2	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	12.65	6.3	1.9	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	12.65	6.3	2.0	
75-34-3	1,1-Dichloroethane	5.7	ug/m3	12.65	6.3	2.0	J
75-35-4	1,1-Dichloroethene	14	ug/m3	12.65	6.3	2.2	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	12.65	6.3	2.0	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	12.65	6.3	1.9	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	12.65	6.3	2.0	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	12.65	6.3	1.9	
107-06-2	1,2-Dichloroethane	ND	ug/m3	12.65	6.3	2.0	
78-87-5	1,2-Dichloropropane	ND	ug/m3	12.65	6.3	2.0	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	12.65	6.3	2.0	
106-99-0	1,3-Butadiene	ND	ug/m3	12.65	6.3	2.8	

541-73-1	1,3-Dichlorobenzene	ND	ug/m3	12.65	6.3	1.9	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	12.65	6.3	1.8	
123-91-1	1,4-Dioxane	ND	ug/m3	12.65	6.3	2.0	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	12.65	6.3	1.9	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	9.7	ug/m3	12.65	63	2.7	J TB
591-78-6	2-Hexanone	2.1	ug/m3	12.65	6.3	2.0	J
67-63-0	2-Propanol	ND	ug/m3	12.65	13	5.3	
107-05-1	3-Chloropropene	ND	ug/m3	12.65	6.3	2.0	
622-96-8	4-Ethyltoluene	ND	ug/m3	12.65	6.3	2.0	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	12.65	6.3	2.0	
67-64-1	Acetone	37	ug/m3	12.65	63	9.7	J TB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	12.65	6.3	1.4	
71-43-2	Benzene	ND	ug/m3	12.65	6.3	2.0	
75-27-4	Bromodichloromethane	ND	ug/m3	12.65	6.3	1.9	
75-25-2	Bromoform	ND	ug/m3	12.65	6.3	1.9	
74-83-9	Bromomethane	ND	ug/m3	12.65	6.3	2.4	
75-15-0	Carbon Disulfide	2.1	ug/m3	12.65	63	1.9	J TB
56-23-5	Carbon Tetrachloride	ND	ug/m3	12.65	6.3	1.9	
108-90-7	Chlorobenzene	ND	ug/m3	12.65	6.3	2.0	
75-00-3	Chloroethane	ND	ug/m3	12.65	6.3	2.2	
67-66-3	Chloroform	82	ug/m3	12.65	6.3	2.2	
74-87-3	Chloromethane	ND	ug/m3	12.65	6.3	1.9	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	12.65	6.3	2.0	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	12.65	6.3	1.8	
98-82-8	Cumene	ND	ug/m3	12.65	6.3	1.9	
110-82-7	Cyclohexane	6.4	ug/m3	12.65	13	3.7	J
124-48-1	Dibromochloromethane	ND	ug/m3	12.65	6.3	2.0	
64-17-5	Ethanol	ND	ug/m3	12.65	63	10	
100-41-4	Ethyl Benzene	ND	ug/m3	12.65	6.3	2.0	
75-69-4	Freon 11	15	ug/m3	12.65	6.3	2.2	
76-13-1	Freon 113	9400	ug/m3	126.5	63	22	D
76-14-2	Freon 114	ND	ug/m3	12.65	6.3	2.4	
75-71-8	Freon 12	2.4	ug/m3	12.65	6.3	2.2	J
306-83-2	Freon 123	3.7	ug/m3	12.65	6.3	3.0	J
354-23-4	Freon 123a	570	ug/m3	12.65	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	12.65	6.3	3.0	
142-82-5	Heptane	ND	ug/m3	12.65	6.3	2.2	
87-68-3	Hexachlorobutadiene	ND	ug/m3	12.65	6.3	1.8	
110-54-3	Hexane	2.5	ug/m3	12.65	6.3	1.9	J
179601-23-	m,p-Xylene	ND	ug/m3	12.65	13	3.8	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	12.65	6.3	2.2	
75-09-2	Methylene Chloride	5.6	ug/m3	12.65	6.3	2.2	J
95-47-6	o-Xylene	ND	ug/m3	12.65	6.3	1.9	
103-65-1	Propylbenzene	ND	ug/m3	12.65	6.3	2.0	
100-42-5	Styrene	ND	ug/m3	12.65	6.3	1.9	
127-18-4	Tetrachloroethene	2.5	ug/m3	12.65	6.3	1.8	J

109-99-9	Tetrahydrofuran	ND	ug/m3	12.65	6.3	2.5	
108-88-3	Toluene	34	ug/m3	12.65	6.3	2.2	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	12.65	6.3	2.4	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	12.65	6.3	2.0	
79-01-6	Trichloroethene	1700	ug/m3	126.5	63	18	D
75-01-4	Vinyl Chloride	ND	ug/m3	12.65	6.3	2.2	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **7/30/2014**

Sample **1407301000** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	108	54	18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	108	54	16	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	108	54	17	
75-34-3	1,1-Dichloroethane	ND	ug/m3	108	54	17	
75-35-4	1,1-Dichloroethene	ND	ug/m3	108	54	18	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	108	54	17	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	108	54	16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	108	54	17	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	108	54	16	
107-06-2	1,2-Dichloroethane	ND	ug/m3	108	54	17	
78-87-5	1,2-Dichloropropane	ND	ug/m3	108	54	17	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	108	54	17	
106-99-0	1,3-Butadiene	ND	ug/m3	108	54	24	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	108	54	16	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	108	54	15	
123-91-1	1,4-Dioxane	ND	ug/m3	108	54	17	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	108	54	16	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	108	540	23	
591-78-6	2-Hexanone	ND	ug/m3	108	54	17	
67-63-0	2-Propanol	ND	ug/m3	108	110	45	
107-05-1	3-Chloropropene	ND	ug/m3	108	54	17	
622-96-8	4-Ethyltoluene	ND	ug/m3	108	54	17	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	108	54	17	
67-64-1	Acetone	ND	ug/m3	108	540	83	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	108	54	12	
71-43-2	Benzene	ND	ug/m3	108	54	17	
75-27-4	Bromodichloromethane	ND	ug/m3	108	54	16	
75-25-2	Bromoform	ND	ug/m3	108	54	16	
74-83-9	Bromomethane	ND	ug/m3	108	54	21	
75-15-0	Carbon Disulfide	ND	ug/m3	108	540	16	
56-23-5	Carbon Tetrachloride	ND	ug/m3	108	54	16	
108-90-7	Chlorobenzene	ND	ug/m3	108	54	17	
75-00-3	Chloroethane	ND	ug/m3	108	54	18	
67-66-3	Chloroform	120	ug/m3	108	54	18	
74-87-3	Chloromethane	ND	ug/m3	108	54	16	

156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	108	54	17	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	108	54	15	
98-82-8	Cumene	ND	ug/m3	108	54	16	
110-82-7	Cyclohexane	ND	ug/m3	108	110	31	
124-48-1	Dibromochloromethane	ND	ug/m3	108	54	17	
64-17-5	Ethanol	ND	ug/m3	108	540	86	
100-41-4	Ethyl Benzene	ND	ug/m3	108	54	17	
75-69-4	Freon 11	ND	ug/m3	108	54	18	
76-13-1	Freon 113	10000	ug/m3	810	410	140	D
76-14-2	Freon 114	ND	ug/m3	108	54	21	
75-71-8	Freon 12	ND	ug/m3	108	54	18	
306-83-2	Freon 123	ND	ug/m3	108	54	26	
354-23-4	Freon 123a	890	ug/m3	108	NA	NA	TIC *
75-43-4	Freon 21	ND	ug/m3	108	54	26	*
142-82-5	Heptane	ND	ug/m3	108	54	18	
87-68-3	Hexachlorobutadiene	ND	ug/m3	108	54	15	
110-54-3	Hexane	ND	ug/m3	108	54	16	
179601-23-	m,p-Xylene	ND	ug/m3	108	110	32	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	108	54	18	
75-09-2	Methylene Chloride	ND	ug/m3	108	54	18	
95-47-6	o-Xylene	ND	ug/m3	108	54	16	
103-65-1	Propylbenzene	ND	ug/m3	108	54	17	
100-42-5	Styrene	ND	ug/m3	108	54	16	
127-18-4	Tetrachloroethene	ND	ug/m3	108	54	15	
109-99-9	Tetrahydrofuran	ND	ug/m3	108	54	22	
108-88-3	Toluene	ND	ug/m3	108	54	18	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	108	54	21	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	108	54	17	
79-01-6	Trichloroethene	3000	ug/m3	108	54	15	
75-01-4	Vinyl Chloride	ND	ug/m3	108	54	18	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **10/9/2014**

Sample **1410091042** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	158	79	27	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	158	79	24	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	158	79	25	
75-34-3	1,1-Dichloroethane	ND	ug/m3	158	79	25	
75-35-4	1,1-Dichloroethene	ND	ug/m3	158	79	27	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	158	79	25	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	158	79	24	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	158	79	25	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	158	79	24	
107-06-2	1,2-Dichloroethane	ND	ug/m3	158	79	25	
78-87-5	1,2-Dichloropropane	ND	ug/m3	158	79	25	

108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	158	79	25	
106-99-0	1,3-Butadiene	ND	ug/m3	158	79	35	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	158	79	24	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	158	79	22	
123-91-1	1,4-Dioxane	ND	ug/m3	158	79	25	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	158	79	24	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	158	790	33	
591-78-6	2-Hexanone	ND	ug/m3	158	79	25	
67-63-0	2-Propanol	89	ug/m3	158	160	66	J
107-05-1	3-Chloropropene	ND	ug/m3	158	79	25	
622-96-8	4-Ethyltoluene	ND	ug/m3	158	79	25	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	158	79	25	
67-64-1	Acetone	ND	ug/m3	158	790	120	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	158	79	17	
71-43-2	Benzene	ND	ug/m3	158	79	25	
75-27-4	Bromodichloromethane	ND	ug/m3	158	79	24	
75-25-2	Bromoform	ND	ug/m3	158	79	24	
74-83-9	Bromomethane	ND	ug/m3	158	79	30	
75-15-0	Carbon Disulfide	ND	ug/m3	158	790	24	
56-23-5	Carbon Tetrachloride	ND	ug/m3	158	79	24	
108-90-7	Chlorobenzene	ND	ug/m3	158	79	25	
75-00-3	Chloroethane	ND	ug/m3	158	79	27	
67-66-3	Chloroform	70	ug/m3	158	79	27	J
74-87-3	Chloromethane	ND	ug/m3	158	79	24	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	158	79	25	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	158	79	22	
98-82-8	Cumene	ND	ug/m3	158	79	24	
110-82-7	Cyclohexane	ND	ug/m3	158	160	46	
124-48-1	Dibromochloromethane	ND	ug/m3	158	79	25	
64-17-5	Ethanol	ND	ug/m3	158	790	130	
100-41-4	Ethyl Benzene	ND	ug/m3	158	79	25	
75-69-4	Freon 11	ND	ug/m3	158	79	27	
76-13-1	Freon 113	9600	ug/m3	158	79	27	
76-14-2	Freon 114	ND	ug/m3	158	79	30	
75-71-8	Freon 12	ND	ug/m3	158	79	27	
306-83-2	Freon 123	ND	ug/m3	158	79	38	
354-23-4	Freon 123a	410	ug/m3	158	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	158	79	38	
142-82-5	Heptane	ND	ug/m3	158	79	27	
87-68-3	Hexachlorobutadiene	ND	ug/m3	158	79	22	
110-54-3	Hexane	ND	ug/m3	158	79	24	
179601-23-	m,p-Xylene	ND	ug/m3	158	160	47	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	158	79	27	
75-09-2	Methylene Chloride	ND	ug/m3	158	79	27	
95-47-6	o-Xylene	ND	ug/m3	158	79	24	
103-65-1	Propylbenzene	ND	ug/m3	158	79	25	

100-42-5	Styrene	ND	ug/m3	158	79	24	
127-18-4	Tetrachloroethene	ND	ug/m3	158	79	22	
109-99-9	Tetrahydrofuran	ND	ug/m3	158	79	32	
108-88-3	Toluene	28	ug/m3	158	79	27	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	158	79	30	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	158	79	25	
79-01-6	Trichloroethene	1700	ug/m3	158	79	22	
75-01-4	Vinyl Chloride	ND	ug/m3	158	79	27	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **11/20/2014**

Sample **1411201035** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	94	47	16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	94	47	14	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	94	47	15	
75-34-3	1,1-Dichloroethane	ND	ug/m3	94	47	15	
75-35-4	1,1-Dichloroethene	ND	ug/m3	94	47	16	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	94	47	15	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	94	47	14	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	94	47	15	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	94	47	14	
107-06-2	1,2-Dichloroethane	ND	ug/m3	94	47	15	
78-87-5	1,2-Dichloropropane	ND	ug/m3	94	47	15	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	94	47	15	
106-99-0	1,3-Butadiene	ND	ug/m3	94	47	21	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	94	47	14	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	94	47	13	
123-91-1	1,4-Dioxane	ND	ug/m3	94	47	15	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	94	47	14	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	94	470	20	
591-78-6	2-Hexanone	ND	ug/m3	94	47	15	
67-63-0	2-Propanol	ND	ug/m3	94	94	39	
107-05-1	3-Chloropropene	ND	ug/m3	94	47	15	
622-96-8	4-Ethyltoluene	ND	ug/m3	94	47	15	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	94	47	15	
67-64-1	Acetone	ND	ug/m3	94	470	72	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	94	47	10	
71-43-2	Benzene	ND	ug/m3	94	47	15	
75-27-4	Bromodichloromethane	ND	ug/m3	94	47	14	
75-25-2	Bromoform	ND	ug/m3	94	47	14	
74-83-9	Bromomethane	ND	ug/m3	94	47	18	
75-15-0	Carbon Disulfide	ND	ug/m3	94	470	14	
56-23-5	Carbon Tetrachloride	ND	ug/m3	94	47	14	
108-90-7	Chlorobenzene	ND	ug/m3	94	47	15	
75-00-3	Chloroethane	ND	ug/m3	94	47	16	

67-66-3	Chloroform	86	ug/m3	94	47	16	
74-87-3	Chloromethane	ND	ug/m3	94	47	14	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	94	47	15	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	94	47	13	
98-82-8	Cumene	ND	ug/m3	94	47	14	
110-82-7	Cyclohexane	ND	ug/m3	94	94	27	
124-48-1	Dibromochloromethane	ND	ug/m3	94	47	15	
64-17-5	Ethanol	ND	ug/m3	94	470	75	
100-41-4	Ethyl Benzene	ND	ug/m3	94	47	15	
75-69-4	Freon 11	17	ug/m3	94	47	16	J
76-13-1	Freon 113	10000	ug/m3	282	140	48	D
76-14-2	Freon 114	ND	ug/m3	94	47	18	
75-71-8	Freon 12	ND	ug/m3	94	47	16	
306-83-2	Freon 123	ND	ug/m3	94	47	23	
354-23-4	Freon 123a	520	ug/m3	94	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	94	47	23	
142-82-5	Heptane	ND	ug/m3	94	47	16	
87-68-3	Hexachlorobutadiene	ND	ug/m3	94	47	13	
110-54-3	Hexane	ND	ug/m3	94	47	14	
179601-23-	m,p-Xylene	ND	ug/m3	94	94	28	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	94	47	16	
75-09-2	Methylene Chloride	ND	ug/m3	94	47	16	
95-47-6	o-Xylene	ND	ug/m3	94	47	14	
103-65-1	Propylbenzene	ND	ug/m3	94	47	15	
100-42-5	Styrene	ND	ug/m3	94	47	14	
127-18-4	Tetrachloroethene	ND	ug/m3	94	47	13	
109-99-9	Tetrahydrofuran	ND	ug/m3	94	47	19	
108-88-3	Toluene	ND	ug/m3	94	47	16	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	94	47	18	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	94	47	15	
79-01-6	Trichloroethene	2000	ug/m3	94	47	13	
75-01-4	Vinyl Chloride	ND	ug/m3	94	47	16	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **1/28/2015**

Sample **1501281014** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	16.6	8.3	2.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	16.6	8.3	2.5	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	16.6	8.3	2.7	
75-34-3	1,1-Dichloroethane	ND	ug/m3	16.6	8.3	2.7	
75-35-4	1,1-Dichloroethene	ND	ug/m3	16.6	8.3	2.8	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	16.6	8.3	2.7	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	16.6	8.3	2.5	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	16.6	8.3	2.7	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	16.6	8.3	2.5	

107-06-2	1,2-Dichloroethane	ND	ug/m3	16.6	8.3	2.7	
78-87-5	1,2-Dichloropropane	ND	ug/m3	16.6	8.3	2.7	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	16.6	8.3	2.7	
106-99-0	1,3-Butadiene	ND	ug/m3	16.6	8.3	3.7	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	16.6	8.3	2.5	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	16.6	8.3	2.3	
123-91-1	1,4-Dioxane	ND	ug/m3	16.6	8.3	2.7	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	16.6	8.3	2.5	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	16.6	83	3.5	
591-78-6	2-Hexanone	ND	ug/m3	16.6	8.3	2.7	
67-63-0	2-Propanol	ND	ug/m3	16.6	17	7.0	
107-05-1	3-Chloropropene	ND	ug/m3	16.6	8.3	2.7	
622-96-8	4-Ethyltoluene	ND	ug/m3	16.6	8.3	2.7	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	16.6	8.3	2.7	
67-64-1	Acetone	24	ug/m3	16.6	83	13	J FB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	16.6	8.3	1.8	
71-43-2	Benzene	ND	ug/m3	16.6	8.3	2.7	
75-27-4	Bromodichloromethane	ND	ug/m3	16.6	8.3	2.5	
75-25-2	Bromoform	ND	ug/m3	16.6	8.3	2.5	
74-83-9	Bromomethane	ND	ug/m3	16.6	8.3	3.2	
75-15-0	Carbon Disulfide	ND	ug/m3	16.6	83	2.5	
56-23-5	Carbon Tetrachloride	ND	ug/m3	16.6	8.3	2.5	
108-90-7	Chlorobenzene	ND	ug/m3	16.6	8.3	2.7	
75-00-3	Chloroethane	ND	ug/m3	16.6	8.3	2.8	
67-66-3	Chloroform	15	ug/m3	16.6	8.3	2.8	
74-87-3	Chloromethane	ND	ug/m3	16.6	8.3	2.5	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	16.6	8.3	2.7	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	16.6	8.3	2.3	
98-82-8	Cumene	ND	ug/m3	16.6	8.3	2.5	
110-82-7	Cyclohexane	ND	ug/m3	16.6	17	4.8	
124-48-1	Dibromochloromethane	ND	ug/m3	16.6	8.3	2.7	
64-17-5	Ethanol	ND	ug/m3	16.6	83	13	
100-41-4	Ethyl Benzene	ND	ug/m3	16.6	8.3	2.7	
75-69-4	Freon 11	3.7	ug/m3	16.6	8.3	2.8	J FB
76-13-1	Freon 113	1800	ug/m3	16.6	8.3	2.8	
76-14-2	Freon 114	ND	ug/m3	16.6	8.3	3.2	
75-71-8	Freon 12	ND	ug/m3	16.6	8.3	2.8	
306-83-2	Freon 123	ND	ug/m3	16.6	8.3	4.0	
354-23-4	Freon 123a	ND	ug/m3	16.6	NA	NA	
75-43-4	Freon 21	ND	ug/m3	16.6	8.3	4.0	
142-82-5	Heptane	2.9	ug/m3	16.6	8.3	2.8	J
87-68-3	Hexachlorobutadiene	ND	ug/m3	16.6	8.3	2.3	
110-54-3	Hexane	ND	ug/m3	16.6	8.3	2.5	
179601-23-	m,p-Xylene	ND	ug/m3	16.6	17	5.0	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	16.6	8.3	2.8	
75-09-2	Methylene Chloride	5.7	ug/m3	16.6	8.3	2.8	J

95-47-6	o-Xylene	ND	ug/m3	16.6	8.3	2.5	
103-65-1	Propylbenzene	ND	ug/m3	16.6	8.3	2.7	
100-42-5	Styrene	ND	ug/m3	16.6	8.3	2.5	
127-18-4	Tetrachloroethene	ND	ug/m3	16.6	8.3	2.3	
109-99-9	Tetrahydrofuran	ND	ug/m3	16.6	8.3	3.3	
108-88-3	Toluene	5.3	ug/m3	16.6	8.3	2.8	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	16.6	8.3	3.2	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	16.6	8.3	2.7	
79-01-6	Trichloroethene	330	ug/m3	16.6	8.3	2.3	
75-01-4	Vinyl Chloride	ND	ug/m3	16.6	8.3	2.8	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **4/16/2015**

Sample **1505200845** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	108.67	54	18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	108.67	54	16	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	108.67	54	17	
75-34-3	1,1-Dichloroethane	ND	ug/m3	108.67	54	17	
75-35-4	1,1-Dichloroethene	ND	ug/m3	108.67	54	18	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	108.67	54	17	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	108.67	54	16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	108.67	54	17	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	108.67	54	16	
107-06-2	1,2-Dichloroethane	ND	ug/m3	108.67	54	17	
78-87-5	1,2-Dichloropropane	ND	ug/m3	108.67	54	17	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	108.67	54	17	
106-99-0	1,3-Butadiene	ND	ug/m3	108.67	54	24	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	108.67	54	16	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	108.67	54	15	
123-91-1	1,4-Dioxane	ND	ug/m3	108.67	54	17	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	108.67	54	16	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	108.67	540	23	
591-78-6	2-Hexanone	ND	ug/m3	108.67	54	17	
67-63-0	2-Propanol	ND	ug/m3	108.67	110	46	
107-05-1	3-Chloropropene	ND	ug/m3	108.67	54	17	
622-96-8	4-Ethyltoluene	ND	ug/m3	108.67	54	17	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	108.67	54	17	
67-64-1	Acetone	ND	ug/m3	108.67	540	84	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	108.67	54	12	
71-43-2	Benzene	ND	ug/m3	108.67	54	17	
75-27-4	Bromodichloromethane	ND	ug/m3	108.67	54	16	
75-25-2	Bromoform	ND	ug/m3	108.67	54	16	
74-83-9	Bromomethane	ND	ug/m3	108.67	54	21	
75-15-0	Carbon Disulfide	ND	ug/m3	108.67	540	16	
56-23-5	Carbon Tetrachloride	ND	ug/m3	108.67	54	16	

108-90-7	Chlorobenzene	ND	ug/m3	108.67	54	17	
75-00-3	Chloroethane	ND	ug/m3	108.67	54	18	
67-66-3	Chloroform	110	ug/m3	108.67	54	18	
74-87-3	Chloromethane	ND	ug/m3	108.67	54	16	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	108.67	54	17	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	108.67	54	15	
98-82-8	Cumene	ND	ug/m3	108.67	54	16	
110-82-7	Cyclohexane	ND	ug/m3	108.67	110	32	
124-48-1	Dibromochloromethane	ND	ug/m3	108.67	54	17	
64-17-5	Ethanol	ND	ug/m3	108.67	540	87	
100-41-4	Ethyl Benzene	ND	ug/m3	108.67	54	17	
75-69-4	Freon 11	20	ug/m3	108.67	54	18	J
76-13-1	Freon 113	11000	ug/m3	326	160	55	D
76-14-2	Freon 114	ND	ug/m3	108.67	54	21	
75-71-8	Freon 12	ND	ug/m3	108.67	54	18	
306-83-2	Freon 123	ND	ug/m3	108.67	54	26	
354-23-4	Freon 123a	ND	ug/m3	108.67	NA	NA	*
75-43-4	Freon 21	ND	ug/m3	108.67	54	26	
142-82-5	Heptane	ND	ug/m3	108.67	54	18	
87-68-3	Hexachlorobutadiene	ND	ug/m3	108.67	54	15	
110-54-3	Hexane	ND	ug/m3	108.67	54	16	
179601-23-	m,p-Xylene	ND	ug/m3	108.67	110	33	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	108.67	54	18	
75-09-2	Methylene Chloride	ND	ug/m3	108.67	54	18	
95-47-6	o-Xylene	ND	ug/m3	108.67	54	16	
103-65-1	Propylbenzene	ND	ug/m3	108.67	54	17	
100-42-5	Styrene	ND	ug/m3	108.67	54	16	
127-18-4	Tetrachloroethene	ND	ug/m3	108.67	54	15	
109-99-9	Tetrahydrofuran	ND	ug/m3	108.67	54	22	
108-88-3	Toluene	ND	ug/m3	108.67	54	18	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	108.67	54	21	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	108.67	54	17	
79-01-6	Trichloroethene	2700	ug/m3	108.67	54	15	
75-01-4	Vinyl Chloride	ND	ug/m3	108.67	54	18	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **8/4/2015**

Sample **1508040910** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	33.2	17	5.6	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	33.2	17	5.0	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	33.2	17	5.3	
75-34-3	1,1-Dichloroethane	6.9	ug/m3	33.2	17	5.3	J
75-35-4	1,1-Dichloroethene	16	ug/m3	33.2	17	5.6	J
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	33.2	17	5.3	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	33.2	17	5.0	

106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	33.2	17	5.3	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	33.2	17	5.0	
107-06-2	1,2-Dichloroethane	ND	ug/m3	33.2	17	5.3	
78-87-5	1,2-Dichloropropane	ND	ug/m3	33.2	17	5.3	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	33.2	17	5.3	
106-99-0	1,3-Butadiene	ND	ug/m3	33.2	17	7.3	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	33.2	17	5.0	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	33.2	17	4.6	
123-91-1	1,4-Dioxane	ND	ug/m3	33.2	17	5.3	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	33.2	17	5.0	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	7.6	ug/m3	33.2	170	7.0	J
591-78-6	2-Hexanone	ND	ug/m3	33.2	17	5.3	
67-63-0	2-Propanol	ND	ug/m3	33.2	33	14	
107-05-1	3-Chloropropene	ND	ug/m3	33.2	17	5.3	
622-96-8	4-Ethyltoluene	ND	ug/m3	33.2	17	5.3	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	33.2	17	5.3	
67-64-1	Acetone	59	ug/m3	33.2	170	26	J
100-44-7	alpha-Chlorotoluene	ND	ug/m3	33.2	17	3.7	
71-43-2	Benzene	ND	ug/m3	33.2	17	5.3	
75-27-4	Bromodichloromethane	ND	ug/m3	33.2	17	5.0	
75-25-2	Bromoform	ND	ug/m3	33.2	17	5.0	
74-83-9	Bromomethane	ND	ug/m3	33.2	17	6.3	
75-15-0	Carbon Disulfide	ND	ug/m3	33.2	170	5.0	
56-23-5	Carbon Tetrachloride	ND	ug/m3	33.2	17	5.0	
108-90-7	Chlorobenzene	ND	ug/m3	33.2	17	5.3	
75-00-3	Chloroethane	ND	ug/m3	33.2	17	5.6	
67-66-3	Chloroform	100	ug/m3	33.2	17	5.6	
74-87-3	Chloromethane	ND	ug/m3	33.2	17	5.0	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	33.2	17	5.3	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	33.2	17	4.6	
98-82-8	Cumene	ND	ug/m3	33.2	17	5.0	
110-82-7	Cyclohexane	ND	ug/m3	33.2	33	9.6	
124-48-1	Dibromochloromethane	ND	ug/m3	33.2	17	5.3	
64-17-5	Ethanol	ND	ug/m3	33.2	170	27	
100-41-4	Ethyl Benzene	ND	ug/m3	33.2	17	5.3	
75-69-4	Freon 11	16	ug/m3	33.2	17	5.6	J
76-13-1	Freon 113	6800	ug/m3	166	83	28	D
76-14-2	Freon 114	ND	ug/m3	33.2	17	6.3	
75-71-8	Freon 12	ND	ug/m3	33.2	17	5.6	
306-83-2	Freon 123	ND	ug/m3	33.2	17	8.0	
354-23-4	Freon 123a	730	ug/m3	33.2	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	33.2	17	8.0	
142-82-5	Heptane	ND	ug/m3	33.2	17	5.6	
87-68-3	Hexachlorobutadiene	ND	ug/m3	33.2	17	4.6	
110-54-3	Hexane	ND	ug/m3	33.2	17	5.0	
179601-23-	m,p-Xylene	ND	ug/m3	33.2	33	10	

1634-04-4	Methyl tert-butyl ether	ND	ug/m3	33.2	17	5.6	
75-09-2	Methylene Chloride	6.9	ug/m3	33.2	17	5.6	J
95-47-6	o-Xylene	ND	ug/m3	33.2	17	5.0	
103-65-1	Propylbenzene	ND	ug/m3	33.2	17	5.3	
100-42-5	Styrene	ND	ug/m3	33.2	17	5.0	
127-18-4	Tetrachloroethene	ND	ug/m3	33.2	17	4.6	
109-99-9	Tetrahydrofuran	ND	ug/m3	33.2	17	6.6	
108-88-3	Toluene	ND	ug/m3	33.2	17	5.6	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	33.2	17	6.3	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	33.2	17	5.3	
79-01-6	Trichloroethene	1700	ug/m3	166	83	23	D
75-01-4	Vinyl Chloride	ND	ug/m3	33.2	17	5.6	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **10/22/2015**

Sample **1510220955** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	26.8	13	4.6	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	26.8	13	4.0	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	26.8	13	4.3	
75-34-3	1,1-Dichloroethane	4.8	ug/m3	26.8	13	4.3	J
75-35-4	1,1-Dichloroethene	9	ug/m3	26.8	13	4.6	J
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	26.8	13	4.3	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	26.8	13	4.0	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	26.8	13	4.3	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	26.8	13	4.0	
107-06-2	1,2-Dichloroethane	ND	ug/m3	26.8	13	4.3	
78-87-5	1,2-Dichloropropane	ND	ug/m3	26.8	13	4.3	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	26.8	13	4.3	
106-99-0	1,3-Butadiene	ND	ug/m3	26.8	13	5.9	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	26.8	13	4.0	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	26.8	13	3.8	
123-91-1	1,4-Dioxane	ND	ug/m3	26.8	13	4.3	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	26.8	13	4.0	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	26.8	130	5.6	
591-78-6	2-Hexanone	ND	ug/m3	26.8	13	4.3	
67-63-0	2-Propanol	18	ug/m3	26.8	27	11	J
107-05-1	3-Chloropropene	ND	ug/m3	26.8	13	4.3	
622-96-8	4-Ethyltoluene	ND	ug/m3	26.8	13	4.3	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	26.8	13	4.3	
67-64-1	Acetone	ND	ug/m3	26.8	130	21	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	26.8	13	2.9	
71-43-2	Benzene	ND	ug/m3	26.8	13	4.3	
75-27-4	Bromodichloromethane	ND	ug/m3	26.8	13	4.0	
75-25-2	Bromoform	ND	ug/m3	26.8	13	4.0	
74-83-9	Bromomethane	ND	ug/m3	26.8	13	5.1	

75-15-0	Carbon Disulfide	ND	ug/m3	26.8	130	4.0	
56-23-5	Carbon Tetrachloride	ND	ug/m3	26.8	13	4.0	
108-90-7	Chlorobenzene	ND	ug/m3	26.8	13	4.3	
75-00-3	Chloroethane	ND	ug/m3	26.8	13	4.6	
67-66-3	Chloroform	68	ug/m3	26.8	13	4.6	
74-87-3	Chloromethane	ND	ug/m3	26.8	13	4.0	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	26.8	13	4.3	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	26.8	13	3.8	
98-82-8	Cumene	ND	ug/m3	26.8	13	4.0	
110-82-7	Cyclohexane	ND	ug/m3	26.8	27	7.8	
124-48-1	Dibromochloromethane	ND	ug/m3	26.8	13	4.3	
64-17-5	Ethanol	ND	ug/m3	26.8	130	21	
100-41-4	Ethyl Benzene	ND	ug/m3	26.8	13	4.3	
75-69-4	Freon 11	12	ug/m3	26.8	13	4.6	J
76-13-1	Freon 113	7200	ug/m3	89.33	45	15	D
76-14-2	Freon 114	ND	ug/m3	26.8	13	5.1	
75-71-8	Freon 12	ND	ug/m3	26.8	13	4.6	
306-83-2	Freon 123	ND	ug/m3	26.8	13	6.4	
354-23-4	Freon 123a	580	ug/m3	26.8	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	26.8	13	6.4	
142-82-5	Heptane	ND	ug/m3	26.8	13	4.6	
87-68-3	Hexachlorobutadiene	ND	ug/m3	26.8	13	3.8	
110-54-3	Hexane	ND	ug/m3	26.8	13	4.0	
179601-23-	m,p-Xylene	ND	ug/m3	26.8	27	8.0	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	26.8	13	4.6	
75-09-2	Methylene Chloride	7.7	ug/m3	26.8	13	4.6	J
95-47-6	o-Xylene	ND	ug/m3	26.8	13	4.0	
103-65-1	Propylbenzene	ND	ug/m3	26.8	13	4.3	
100-42-5	Styrene	ND	ug/m3	26.8	13	4.0	
127-18-4	Tetrachloroethene	ND	ug/m3	26.8	13	3.8	
109-99-9	Tetrahydrofuran	ND	ug/m3	26.8	13	5.4	
108-88-3	Toluene	ND	ug/m3	26.8	13	4.6	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	26.8	13	5.1	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	26.8	13	4.3	
79-01-6	Trichloroethene	1600	ug/m3	26.8	13	3.8	
75-01-4	Vinyl Chloride	ND	ug/m3	26.8	13	4.6	

Borehole **600-SGW-5** **Depth (ft)** **102.5** **Depth (m)** **31.24** **Event Date** **1/20/2016**

Sample **1601201355** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	105.33	53	18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	105.33	53	16	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	105.33	53	17	
75-34-3	1,1-Dichloroethane	ND	ug/m3	105.33	53	17	
75-35-4	1,1-Dichloroethene	ND	ug/m3	105.33	53	18	

120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	105.33	53	17	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	105.33	53	16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	105.33	53	17	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	105.33	53	16	
107-06-2	1,2-Dichloroethane	ND	ug/m3	105.33	53	17	
17060-07-0	1,2-Dichloroethane-d4	488	ug/m3	40	NA	NA	
78-87-5	1,2-Dichloropropane	ND	ug/m3	105.33	53	17	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	105.33	53	17	
106-99-0	1,3-Butadiene	ND	ug/m3	105.33	53	23	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	105.33	53	16	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	105.33	53	15	
123-91-1	1,4-Dioxane	ND	ug/m3	105.33	53	17	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	105.33	53	16	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	105.33	530	22	
591-78-6	2-Hexanone	ND	ug/m3	105.33	53	17	
67-63-0	2-Propanol	ND	ug/m3	105.33	110	44	
107-05-1	3-Chloropropene	ND	ug/m3	105.33	53	17	
622-96-8	4-Ethyltoluene	ND	ug/m3	105.33	53	17	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	105.33	53	17	
67-64-1	Acetone	ND	ug/m3	105.33	530	81	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	105.33	53	12	
71-43-2	Benzene	ND	ug/m3	105.33	53	17	
75-27-4	Bromodichloromethane	ND	ug/m3	105.33	53	16	
460-00-4	Bromofluorobenzene	509	ug/m3	40	NA	NA	
75-25-2	Bromoform	ND	ug/m3	105.33	53	16	
74-83-9	Bromomethane	ND	ug/m3	105.33	53	20	
75-15-0	Carbon Disulfide	ND	ug/m3	105.33	530	16	
56-23-5	Carbon Tetrachloride	ND	ug/m3	105.33	53	16	
108-90-7	Chlorobenzene	ND	ug/m3	105.33	53	17	
75-00-3	Chloroethane	ND	ug/m3	105.33	53	18	
67-66-3	Chloroform	81	ug/m3	105.33	53	18	
74-87-3	Chloromethane	ND	ug/m3	105.33	53	16	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	105.33	53	17	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	105.33	53	15	
98-82-8	Cumene	ND	ug/m3	105.33	53	16	
110-82-7	Cyclohexane	ND	ug/m3	105.33	110	31	
124-48-1	Dibromochloromethane	ND	ug/m3	105.33	53	17	
64-17-5	Ethanol	ND	ug/m3	105.33	530	84	
100-41-4	Ethyl Benzene	ND	ug/m3	105.33	53	17	
75-69-4	Freon 11	ND	ug/m3	105.33	53	18	
76-13-1	Freon 113	9400	ug/m3	105.33	53	18	
76-14-2	Freon 114	ND	ug/m3	105.33	53	20	
75-71-8	Freon 12	ND	ug/m3	105.33	53	18	
306-83-2	Freon 123	ND	ug/m3	105.33	53	25	U,X
354-23-4	Freon 123a	550	ug/m3	105.33	NA	NA	T
75-43-4	Freon 21	ND	ug/m3	105.33	53	25	U,X

142-82-5	Heptane	ND	ug/m3	105.33	53	18	
87-68-3	Hexachlorobutadiene	ND	ug/m3	105.33	53	15	
110-54-3	Hexane	ND	ug/m3	105.33	53	16	
179601-23-	m,p-Xylene	ND	ug/m3	105.33	110	32	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	105.33	53	18	
75-09-2	Methylene Chloride	19	ug/m3	105.33	53	18	J
95-47-6	o-Xylene	ND	ug/m3	105.33	53	16	
103-65-1	Propylbenzene	ND	ug/m3	105.33	53	17	
100-42-5	Styrene	ND	ug/m3	105.33	53	16	
127-18-4	Tetrachloroethene	ND	ug/m3	105.33	53	15	
109-99-9	Tetrahydrofuran	ND	ug/m3	105.33	53	21	
108-88-3	Toluene	ND	ug/m3	105.33	53	18	
2037-26-5	Toluene-d8	505	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	105.33	53	20	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	105.33	53	17	
79-01-6	Trichloroethene	1800	ug/m3	105.33	53	15	
75-01-4	Vinyl Chloride	ND	ug/m3	105.33	53	18	

Borehole 600-SGW-5 **Depth (ft)** 137.5 **Depth (m)** 41.91 **Event Date** 3/25/2013

Sample 1303250857 **Sample Type** Soil Gas **Analysis Method** TO-15

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3825	1900	540	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3825	1900	570	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3825	1900	500	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3825	1900	540	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3825	1900	610	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3825	1900	690	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3825	1900	570	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3825	1900	570	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3825	1900	610	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3825	1900	540	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3825	1900	540	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3825	1900	570	
106-99-0	1,3-Butadiene	ND	ug/m3	3825	1900	610	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3825	1900	540	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3825	1900	570	
123-91-1	1,4-Dioxane	ND	ug/m3	3825	1900	540	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3825	1900	500	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	3825	19000	770	
591-78-6	2-Hexanone	ND	ug/m3	3825	1900	730	
67-63-0	2-Propanol	ND	ug/m3	3825	3800	1300	
107-05-1	3-Chloropropene	ND	ug/m3	3825	1900	540	
622-96-8	4-Ethyltoluene	ND	ug/m3	3825	1900	570	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3825	1900	610	
67-64-1	Acetone	ND	ug/m3	3825	19000	4200	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3825	1900	570	
71-43-2	Benzene	ND	ug/m3	3825	1900	540	
75-27-4	Bromodichloromethane	ND	ug/m3	3825	1900	570	
75-25-2	Bromoform	ND	ug/m3	3825	1900	610	
74-83-9	Bromomethane	ND	ug/m3	3825	1900	540	
75-15-0	Carbon Disulfide	ND	ug/m3	3825	19000	500	
56-23-5	Carbon Tetrachloride	ND	ug/m3	3825	1900	570	
108-90-7	Chlorobenzene	ND	ug/m3	3825	1900	570	
75-00-3	Chloroethane	ND	ug/m3	3825	1900	540	
67-66-3	Chloroform	ND	ug/m3	3825	1900	540	
74-87-3	Chloromethane	ND	ug/m3	3825	1900	570	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3825	1900	610	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3825	1900	500	
98-82-8	Cumene	ND	ug/m3	3825	1900	540	
110-82-7	Cyclohexane	ND	ug/m3	3825	3800	990	
124-48-1	Dibromochloromethane	ND	ug/m3	3825	1900	570	
64-17-5	Ethanol	ND	ug/m3	3825	19000	3500	

100-41-4	Ethyl Benzene	ND	ug/m3	3825	1900	570	
75-69-4	Freon 11	990	ug/m3	3825	1900	500	J
76-13-1	Freon 113	350000	ug/m3	3825	1900	770	
76-14-2	Freon 114	ND	ug/m3	3825	1900	540	
75-71-8	Freon 12	ND	ug/m3	3825	1900	540	
306-83-2	Freon 123	ND	ug/m3	3825	1900	920	
354-23-4	Freon 123a	ND	ug/m3	3825	NA	NA	*
75-43-4	Freon 21	ND	ug/m3	3825	1900	920	
142-82-5	Heptane	ND	ug/m3	3825	1900	540	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3825	1900	540	
110-54-3	Hexane	ND	ug/m3	3825	1900	610	
1330-20-7	m,p-Xylene	ND	ug/m3	3825	3800	1100	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3825	1900	540	
75-09-2	Methylene Chloride	870	ug/m3	3825	1900	570	J
95-47-6	o-Xylene	ND	ug/m3	3825	1900	610	
103-65-1	Propylbenzene	ND	ug/m3	3825	1900	650	
100-42-5	Styrene	ND	ug/m3	3825	1900	570	
127-18-4	Tetrachloroethene	ND	ug/m3	3825	1900	460	
109-99-9	Tetrahydrofuran	ND	ug/m3	3825	1900	990	
108-88-3	Toluene	ND	ug/m3	3825	1900	540	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3825	1900	570	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3825	1900	500	
79-01-6	Trichloroethene	16000	ug/m3	3825	1900	540	
75-01-4	Vinyl Chloride	ND	ug/m3	3825	1900	570	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **7/16/2013**

Sample **1307160730** **Sample Type** **Soil Gas - TB** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	2.5	1.3	0.43	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	2.5	1.3	0.38	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	2.5	1.3	0.40	
75-34-3	1,1-Dichloroethane	ND	ug/m3	2.5	1.3	0.40	
75-35-4	1,1-Dichloroethene	ND	ug/m3	2.5	1.3	0.43	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	2.5	1.3	0.40	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	2.5	1.3	0.38	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.3	0.40	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	2.5	1.3	0.38	
107-06-2	1,2-Dichloroethane	ND	ug/m3	2.5	1.3	0.40	
78-87-5	1,2-Dichloropropane	ND	ug/m3	2.5	1.3	0.40	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	2.5	1.3	0.40	
106-99-0	1,3-Butadiene	ND	ug/m3	2.5	1.3	0.55	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	2.5	1.3	0.38	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	2.5	1.3	0.35	
123-91-1	1,4-Dioxane	ND	ug/m3	2.5	1.3	0.40	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	2.5	1.3	0.38	

78-93-3	2-Butanone (Methyl Ethyl Ketone)	1	ug/m3	2.5	13	0.53	J TB
591-78-6	2-Hexanone	ND	ug/m3	2.5	1.3	0.40	
67-63-0	2-Propanol	ND	ug/m3	2.5	2.5	1.1	
107-05-1	3-Chloropropene	ND	ug/m3	2.5	1.3	0.40	
622-96-8	4-Ethyltoluene	ND	ug/m3	2.5	1.3	0.40	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	2.5	1.3	0.40	
67-64-1	Acetone	11	ug/m3	2.5	13	1.9	J TB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	2.5	1.3	0.28	
71-43-2	Benzene	ND	ug/m3	2.5	1.3	0.40	
75-27-4	Bromodichloromethane	ND	ug/m3	2.5	1.3	0.38	
75-25-2	Bromoform	ND	ug/m3	2.5	1.3	0.38	
74-83-9	Bromomethane	ND	ug/m3	2.5	1.3	0.48	
75-15-0	Carbon Disulfide	ND	ug/m3	2.5	13	0.38	
56-23-5	Carbon Tetrachloride	ND	ug/m3	2.5	1.3	0.38	
108-90-7	Chlorobenzene	ND	ug/m3	2.5	1.3	0.40	
75-00-3	Chloroethane	ND	ug/m3	2.5	1.3	0.43	
67-66-3	Chloroform	ND	ug/m3	2.5	1.3	0.43	
74-87-3	Chloromethane	ND	ug/m3	2.5	1.3	0.38	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	2.5	1.3	0.40	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	2.5	1.3	0.35	
98-82-8	Cumene	ND	ug/m3	2.5	1.3	0.38	
110-82-7	Cyclohexane	ND	ug/m3	2.5	2.5	0.73	
124-48-1	Dibromochloromethane	ND	ug/m3	2.5	1.3	0.40	
64-17-5	Ethanol	ND	ug/m3	2.5	13	2.0	
100-41-4	Ethyl Benzene	ND	ug/m3	2.5	1.3	0.40	
75-69-4	Freon 11	ND	ug/m3	2.5	1.3	0.43	
76-13-1	Freon 113	ND	ug/m3	2.5	1.3	0.43	
76-14-2	Freon 114	ND	ug/m3	2.5	1.3	0.48	
75-71-8	Freon 12	ND	ug/m3	2.5	1.3	0.43	
306-83-2	Freon 123	ND	ug/m3	2.5	1.3	0.60	
354-23-4	Freon 123a	ND	ug/m3	2.5	NA	NA	ND
75-43-4	Freon 21	ND	ug/m3	2.5	1.3	0.60	
142-82-5	Heptane	ND	ug/m3	2.5	1.3	0.43	
87-68-3	Hexachlorobutadiene	ND	ug/m3	2.5	1.3	0.35	
110-54-3	Hexane	ND	ug/m3	2.5	1.3	0.38	
179601-23-	m,p-Xylene	ND	ug/m3	2.5	2.5	0.75	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	2.5	1.3	0.43	
75-09-2	Methylene Chloride	0.53	ug/m3	2.5	1.3	0.43	J FB
95-47-6	o-Xylene	ND	ug/m3	2.5	1.3	0.38	
103-65-1	Propylbenzene	ND	ug/m3	2.5	1.3	0.40	
100-42-5	Styrene	ND	ug/m3	2.5	1.3	0.38	
127-18-4	Tetrachloroethene	ND	ug/m3	2.5	1.3	0.35	
109-99-9	Tetrahydrofuran	ND	ug/m3	2.5	1.3	0.50	
108-88-3	Toluene	ND	ug/m3	2.5	1.3	0.43	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	2.5	1.3	0.48	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	2.5	1.3	0.40	

79-01-6	Trichloroethene	ND	ug/m3	2.5	1.3	0.35	
75-01-4	Vinyl Chloride	ND	ug/m3	2.5	1.3	0.43	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **7/16/2013**

Sample **1307160805** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3.9	2.0	0.66	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3.9	2.0	0.59	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3.9	2.0	0.62	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3.9	2.0	0.62	
75-35-4	1,1-Dichloroethene	1.3	ug/m3	3.9	2.0	0.66	J
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3.9	2.0	0.62	
95-63-6	1,2,4-Trimethylbenzene	0.77	ug/m3	3.9	2.0	0.59	J
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3.9	2.0	0.62	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3.9	2.0	0.59	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3.9	2.0	0.62	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3.9	2.0	0.62	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3.9	2.0	0.62	
106-99-0	1,3-Butadiene	ND	ug/m3	3.9	2.0	0.86	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3.9	2.0	0.59	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3.9	2.0	0.55	
123-91-1	1,4-Dioxane	ND	ug/m3	3.9	2.0	0.62	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3.9	2.0	0.59	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	5.2	ug/m3	3.9	20	0.82	J TB
591-78-6	2-Hexanone	0.96	ug/m3	3.9	2.0	0.62	J
67-63-0	2-Propanol	2.8	ug/m3	3.9	3.9	1.6	J
107-05-1	3-Chloropropene	ND	ug/m3	3.9	2.0	0.62	
622-96-8	4-Ethyltoluene	ND	ug/m3	3.9	2.0	0.62	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3.9	2.0	0.62	
67-64-1	Acetone	46	ug/m3	3.9	20	3.0	TB
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3.9	2.0	0.43	
71-43-2	Benzene	ND	ug/m3	3.9	2.0	0.62	
75-27-4	Bromodichloromethane	ND	ug/m3	3.9	2.0	0.59	
75-25-2	Bromoform	ND	ug/m3	3.9	2.0	0.59	
74-83-9	Bromomethane	ND	ug/m3	3.9	2.0	0.74	
75-15-0	Carbon Disulfide	ND	ug/m3	3.9	20	0.59	
56-23-5	Carbon Tetrachloride	ND	ug/m3	3.9	2.0	0.59	
108-90-7	Chlorobenzene	ND	ug/m3	3.9	2.0	0.62	
75-00-3	Chloroethane	ND	ug/m3	3.9	2.0	0.66	
67-66-3	Chloroform	5.8	ug/m3	3.9	2.0	0.66	A
74-87-3	Chloromethane	1.1	ug/m3	3.9	2.0	0.59	J
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3.9	2.0	0.62	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3.9	2.0	0.55	
98-82-8	Cumene	ND	ug/m3	3.9	2.0	0.59	
110-82-7	Cyclohexane	2.9	ug/m3	3.9	3.9	1.1	J

124-48-1	Dibromochloromethane	ND	ug/m3	3.9	2.0	0.62	
64-17-5	Ethanol	23	ug/m3	3.9	20	3.1	FB
100-41-4	Ethyl Benzene	ND	ug/m3	3.9	2.0	0.62	
75-69-4	Freon 11	2.4	ug/m3	3.9	2.0	0.66	A
76-13-1	Freon 113	930	ug/m3	62.4	31	11	D
76-14-2	Freon 114	ND	ug/m3	3.9	2.0	0.74	
75-71-8	Freon 12	2.3	ug/m3	3.9	2.0	0.66	FB
306-83-2	Freon 123	ND	ug/m3	3.9	2.0	0.94	
354-23-4	Freon 123a	39	ug/m3	3.9	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	3.9	2.0	0.94	
142-82-5	Heptane	ND	ug/m3	3.9	2.0	0.66	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3.9	2.0	0.55	
110-54-3	Hexane	0.64	ug/m3	3.9	2.0	0.59	J
179601-23-	m,p-Xylene	1.3	ug/m3	3.9	3.9	1.2	J
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3.9	2.0	0.66	
75-09-2	Methylene Chloride	7.9	ug/m3	3.9	2.0	0.66	
95-47-6	o-Xylene	ND	ug/m3	3.9	2.0	0.59	
103-65-1	Propylbenzene	ND	ug/m3	3.9	2.0	0.62	
100-42-5	Styrene	ND	ug/m3	3.9	2.0	0.59	
127-18-4	Tetrachloroethene	1.3	ug/m3	3.9	2.0	0.55	J
109-99-9	Tetrahydrofuran	ND	ug/m3	3.9	2.0	0.78	
108-88-3	Toluene	4.4	ug/m3	3.9	2.0	0.66	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3.9	2.0	0.74	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3.9	2.0	0.62	
79-01-6	Trichloroethene	140	ug/m3	3.9	2.0	0.55	
75-01-4	Vinyl Chloride	ND	ug/m3	3.9	2.0	0.66	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **11/13/2013**

Sample **1311131325** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	2700	1400	460	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	2700	1400	410	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	2700	1400	430	
75-34-3	1,1-Dichloroethane	ND	ug/m3	2700	1400	430	
75-35-4	1,1-Dichloroethene	ND	ug/m3	2700	1400	460	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	2700	1400	430	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	2700	1400	410	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	2700	1400	430	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	2700	1400	410	
107-06-2	1,2-Dichloroethane	ND	ug/m3	2700	1400	430	
78-87-5	1,2-Dichloropropane	ND	ug/m3	2700	1400	430	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	2700	1400	430	
106-99-0	1,3-Butadiene	ND	ug/m3	2700	1400	590	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	2700	1400	410	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	2700	1400	380	

123-91-1	1,4-Dioxane	ND	ug/m3	2700	1400	430	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	2700	1400	410	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	2700	14000	570	
591-78-6	2-Hexanone	ND	ug/m3	2700	1400	430	
67-63-0	2-Propanol	ND	ug/m3	2700	2700	1100	
107-05-1	3-Chloropropene	ND	ug/m3	2700	1400	430	
622-96-8	4-Ethyltoluene	ND	ug/m3	2700	1400	430	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	2700	1400	430	
67-64-1	Acetone	ND	ug/m3	2700	14000	2100	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	2700	1400	300	
71-43-2	Benzene	ND	ug/m3	2700	1400	430	
75-27-4	Bromodichloromethane	ND	ug/m3	2700	1400	410	
75-25-2	Bromoform	ND	ug/m3	2700	1400	410	
74-83-9	Bromomethane	ND	ug/m3	2700	1400	510	
75-15-0	Carbon Disulfide	ND	ug/m3	2700	14000	410	
56-23-5	Carbon Tetrachloride	ND	ug/m3	2700	1400	410	
108-90-7	Chlorobenzene	ND	ug/m3	2700	1400	430	
75-00-3	Chloroethane	ND	ug/m3	2700	1400	460	
67-66-3	Chloroform	ND	ug/m3	2700	1400	460	
74-87-3	Chloromethane	ND	ug/m3	2700	1400	410	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	2700	1400	430	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	2700	1400	380	
98-82-8	Cumene	ND	ug/m3	2700	1400	410	
110-82-7	Cyclohexane	ND	ug/m3	2700	2700	780	
124-48-1	Dibromochloromethane	ND	ug/m3	2700	1400	430	
64-17-5	Ethanol	ND	ug/m3	2700	14000	2200	
100-41-4	Ethyl Benzene	ND	ug/m3	2700	1400	430	
75-69-4	Freon 11	1200	ug/m3	2700	1400	460	J
76-13-1	Freon 113	290000	ug/m3	5400	2700	920	D
76-14-2	Freon 114	ND	ug/m3	2700	1400	510	
75-71-8	Freon 12	ND	ug/m3	2700	1400	460	
306-83-2	Freon 123	ND	ug/m3	2700	1400	650	
354-23-4	Freon 123a	5300	ug/m3	2700	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	2700	1400	650	
142-82-5	Heptane	ND	ug/m3	2700	1400	460	
87-68-3	Hexachlorobutadiene	ND	ug/m3	2700	1400	380	
110-54-3	Hexane	ND	ug/m3	2700	1400	410	
179601-23-	m,p-Xylene	ND	ug/m3	2700	2700	810	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	2700	1400	460	
75-09-2	Methylene Chloride	ND	ug/m3	2700	1400	460	
95-47-6	o-Xylene	ND	ug/m3	2700	1400	410	
103-65-1	Propylbenzene	ND	ug/m3	2700	1400	430	
100-42-5	Styrene	ND	ug/m3	2700	1400	410	
127-18-4	Tetrachloroethene	ND	ug/m3	2700	1400	380	
109-99-9	Tetrahydrofuran	ND	ug/m3	2700	1400	540	
108-88-3	Toluene	ND	ug/m3	2700	1400	460	

156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	2700	1400	510
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	2700	1400	430
79-01-6	Trichloroethene	15000	ug/m3	2700	1400	380
75-01-4	Vinyl Chloride	ND	ug/m3	2700	1400	460

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **1/29/2014**

Sample **1401291005** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	454.29	230	77	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	454.29	230	68	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	454.29	230	73	
75-34-3	1,1-Dichloroethane	ND	ug/m3	454.29	230	73	
75-35-4	1,1-Dichloroethene	ND	ug/m3	454.29	230	77	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	454.29	230	73	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	454.29	230	68	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	454.29	230	73	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	454.29	230	68	
107-06-2	1,2-Dichloroethane	ND	ug/m3	454.29	230	73	
78-87-5	1,2-Dichloropropane	ND	ug/m3	454.29	230	73	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	454.29	230	73	
106-99-0	1,3-Butadiene	ND	ug/m3	454.29	230	100	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	454.29	230	68	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	454.29	230	64	
123-91-1	1,4-Dioxane	ND	ug/m3	454.29	230	73	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	454.29	230	68	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	454.29	2300	95	
591-78-6	2-Hexanone	ND	ug/m3	454.29	230	73	
67-63-0	2-Propanol	ND	ug/m3	454.29	450	190	
107-05-1	3-Chloropropene	ND	ug/m3	454.29	230	73	
622-96-8	4-Ethyltoluene	ND	ug/m3	454.29	230	73	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	454.29	230	73	
67-64-1	Acetone	ND	ug/m3	454.29	2300	350	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	454.29	230	50	
71-43-2	Benzene	ND	ug/m3	454.29	230	73	
75-27-4	Bromodichloromethane	ND	ug/m3	454.29	230	68	
75-25-2	Bromoform	ND	ug/m3	454.29	230	68	
74-83-9	Bromomethane	ND	ug/m3	454.29	230	86	
75-15-0	Carbon Disulfide	ND	ug/m3	454.29	2300	68	
56-23-5	Carbon Tetrachloride	ND	ug/m3	454.29	230	68	
108-90-7	Chlorobenzene	ND	ug/m3	454.29	230	73	
75-00-3	Chloroethane	ND	ug/m3	454.29	230	77	
67-66-3	Chloroform	110	ug/m3	454.29	230	77	J
74-87-3	Chloromethane	ND	ug/m3	454.29	230	68	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	454.29	230	73	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	454.29	230	64	

98-82-8	Cumene	ND	ug/m3	454.29	230	68	
110-82-7	Cyclohexane	ND	ug/m3	454.29	450	130	
124-48-1	Dibromochloromethane	ND	ug/m3	454.29	230	73	
64-17-5	Ethanol	ND	ug/m3	454.29	2300	360	
100-41-4	Ethyl Benzene	ND	ug/m3	454.29	230	73	
75-69-4	Freon 11	1100	ug/m3	454.29	230	77	
76-13-1	Freon 113	370000	ug/m3	4542.86	2300	770	D
76-14-2	Freon 114	ND	ug/m3	454.29	230	86	
75-71-8	Freon 12	ND	ug/m3	454.29	230	77	
306-83-2	Freon 123	ND	ug/m3	454.29	230	110	
354-23-4	Freon 123a	ND	ug/m3	454.29	NA	NA	ND
75-43-4	Freon 21	ND	ug/m3	454.29	230	110	
142-82-5	Heptane	ND	ug/m3	454.29	230	77	
87-68-3	Hexachlorobutadiene	ND	ug/m3	454.29	230	64	
110-54-3	Hexane	ND	ug/m3	454.29	230	68	
179601-23-	m,p-Xylene	ND	ug/m3	454.29	450	140	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	454.29	230	77	
75-09-2	Methylene Chloride	ND	ug/m3	454.29	230	77	
95-47-6	o-Xylene	ND	ug/m3	454.29	230	68	
103-65-1	Propylbenzene	ND	ug/m3	454.29	230	73	
100-42-5	Styrene	ND	ug/m3	454.29	230	68	
127-18-4	Tetrachloroethene	ND	ug/m3	454.29	230	64	
109-99-9	Tetrahydrofuran	ND	ug/m3	454.29	230	91	
108-88-3	Toluene	ND	ug/m3	454.29	230	77	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	454.29	230	86	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	454.29	230	73	
79-01-6	Trichloroethene	14000	ug/m3	454.29	230	64	
75-01-4	Vinyl Chloride	ND	ug/m3	454.29	230	77	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **4/21/2014**

Sample **1404211335** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	2900	1500	490	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	2900	1500	440	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	2900	1500	460	
75-34-3	1,1-Dichloroethane	ND	ug/m3	2900	1500	460	
75-35-4	1,1-Dichloroethene	ND	ug/m3	2900	1500	490	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	2900	1500	460	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	2900	1500	440	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	2900	1500	460	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	2900	1500	440	
107-06-2	1,2-Dichloroethane	ND	ug/m3	2900	1500	460	
78-87-5	1,2-Dichloropropane	ND	ug/m3	2900	1500	460	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	2900	1500	460	
106-99-0	1,3-Butadiene	ND	ug/m3	2900	1500	640	

541-73-1	1,3-Dichlorobenzene	ND	ug/m3	2900	1500	440	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	2900	1500	410	
123-91-1	1,4-Dioxane	ND	ug/m3	2900	1500	460	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	2900	1500	440	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	2900	15000	610	
591-78-6	2-Hexanone	ND	ug/m3	2900	1500	460	
67-63-0	2-Propanol	ND	ug/m3	2900	2900	1200	
107-05-1	3-Chloropropene	ND	ug/m3	2900	1500	460	
622-96-8	4-Ethyltoluene	ND	ug/m3	2900	1500	460	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	2900	1500	460	
67-64-1	Acetone	ND	ug/m3	2900	15000	2200	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	2900	1500	320	
71-43-2	Benzene	ND	ug/m3	2900	1500	460	
75-27-4	Bromodichloromethane	ND	ug/m3	2900	1500	440	
75-25-2	Bromoform	ND	ug/m3	2900	1500	440	
74-83-9	Bromomethane	ND	ug/m3	2900	1500	550	
75-15-0	Carbon Disulfide	ND	ug/m3	2900	15000	440	
56-23-5	Carbon Tetrachloride	ND	ug/m3	2900	1500	440	
108-90-7	Chlorobenzene	ND	ug/m3	2900	1500	460	
75-00-3	Chloroethane	ND	ug/m3	2900	1500	490	
67-66-3	Chloroform	ND	ug/m3	2900	1500	490	
74-87-3	Chloromethane	ND	ug/m3	2900	1500	440	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	2900	1500	460	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	2900	1500	410	
98-82-8	Cumene	ND	ug/m3	2900	1500	440	
110-82-7	Cyclohexane	ND	ug/m3	2900	2900	840	
124-48-1	Dibromochloromethane	ND	ug/m3	2900	1500	460	
64-17-5	Ethanol	ND	ug/m3	2900	15000	2300	
100-41-4	Ethyl Benzene	ND	ug/m3	2900	1500	460	
75-69-4	Freon 11	1000	ug/m3	2900	1500	490	J
76-13-1	Freon 113	290000	ug/m3	2900	1500	490	
76-14-2	Freon 114	ND	ug/m3	2900	1500	550	
75-71-8	Freon 12	ND	ug/m3	2900	1500	490	
306-83-2	Freon 123	ND	ug/m3	2900	1500	700	
354-23-4	Freon 123a	5800	ug/m3	2900	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	2900	1500	700	
142-82-5	Heptane	ND	ug/m3	2900	1500	490	
87-68-3	Hexachlorobutadiene	ND	ug/m3	2900	1500	410	
110-54-3	Hexane	ND	ug/m3	2900	1500	440	
179601-23-	m,p-Xylene	ND	ug/m3	2900	2900	870	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	2900	1500	490	
75-09-2	Methylene Chloride	ND	ug/m3	2900	1500	490	
95-47-6	o-Xylene	ND	ug/m3	2900	1500	440	
103-65-1	Propylbenzene	ND	ug/m3	2900	1500	460	
100-42-5	Styrene	ND	ug/m3	2900	1500	440	
127-18-4	Tetrachloroethene	ND	ug/m3	2900	1500	410	

109-99-9	Tetrahydrofuran	ND	ug/m3	2900	1500	580
108-88-3	Toluene	ND	ug/m3	2900	1500	490
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	2900	1500	550
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	2900	1500	460
79-01-6	Trichloroethene	14000	ug/m3	2900	1500	410
75-01-4	Vinyl Chloride	ND	ug/m3	2900	1500	490

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **7/30/2014**

Sample **1407301015** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	1530	770	260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	1530	770	230	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	1530	770	240	
75-34-3	1,1-Dichloroethane	ND	ug/m3	1530	770	240	
75-35-4	1,1-Dichloroethene	ND	ug/m3	1530	770	260	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	1530	770	240	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	1530	770	230	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	1530	770	240	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	1530	770	230	
107-06-2	1,2-Dichloroethane	ND	ug/m3	1530	770	240	
78-87-5	1,2-Dichloropropane	ND	ug/m3	1530	770	240	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	1530	770	240	
106-99-0	1,3-Butadiene	ND	ug/m3	1530	770	340	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	1530	770	230	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	1530	770	210	
123-91-1	1,4-Dioxane	ND	ug/m3	1530	770	240	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	1530	770	230	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	1530	7700	320	
591-78-6	2-Hexanone	ND	ug/m3	1530	770	240	
67-63-0	2-Propanol	ND	ug/m3	1530	1500	640	
107-05-1	3-Chloropropene	ND	ug/m3	1530	770	240	
622-96-8	4-Ethyltoluene	ND	ug/m3	1530	770	240	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	1530	770	240	
67-64-1	Acetone	ND	ug/m3	1530	7700	1200	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	1530	770	170	
71-43-2	Benzene	ND	ug/m3	1530	770	240	
75-27-4	Bromodichloromethane	ND	ug/m3	1530	770	230	
75-25-2	Bromoform	ND	ug/m3	1530	770	230	
74-83-9	Bromomethane	ND	ug/m3	1530	770	290	
75-15-0	Carbon Disulfide	ND	ug/m3	1530	7700	230	
56-23-5	Carbon Tetrachloride	ND	ug/m3	1530	770	230	
108-90-7	Chlorobenzene	ND	ug/m3	1530	770	240	
75-00-3	Chloroethane	ND	ug/m3	1530	770	260	
67-66-3	Chloroform	ND	ug/m3	1530	770	260	
74-87-3	Chloromethane	ND	ug/m3	1530	770	230	

156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	1530	770	240	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	1530	770	210	
98-82-8	Cumene	ND	ug/m3	1530	770	230	
110-82-7	Cyclohexane	ND	ug/m3	1530	1500	440	
124-48-1	Dibromochloromethane	ND	ug/m3	1530	770	240	
64-17-5	Ethanol	ND	ug/m3	1530	7700	1200	
100-41-4	Ethyl Benzene	ND	ug/m3	1530	770	240	
75-69-4	Freon 11	880	ug/m3	1530	770	260	A
76-13-1	Freon 113	180000	ug/m3	3060	1500	520	D
76-14-2	Freon 114	ND	ug/m3	1530	770	290	
75-71-8	Freon 12	ND	ug/m3	1530	770	260	
306-83-2	Freon 123	ND	ug/m3	1530	770	370	
354-23-4	Freon 123a	3800	ug/m3	1530	NA	NA	TIC *
75-43-4	Freon 21	ND	ug/m3	1530	770	370	*
142-82-5	Heptane	ND	ug/m3	1530	770	260	
87-68-3	Hexachlorobutadiene	ND	ug/m3	1530	770	210	
110-54-3	Hexane	ND	ug/m3	1530	770	230	
179601-23-	m,p-Xylene	ND	ug/m3	1530	1500	460	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	1530	770	260	
75-09-2	Methylene Chloride	ND	ug/m3	1530	770	260	
95-47-6	o-Xylene	ND	ug/m3	1530	770	230	
103-65-1	Propylbenzene	ND	ug/m3	1530	770	240	
100-42-5	Styrene	ND	ug/m3	1530	770	230	
127-18-4	Tetrachloroethene	ND	ug/m3	1530	770	210	
109-99-9	Tetrahydrofuran	ND	ug/m3	1530	770	310	
108-88-3	Toluene	ND	ug/m3	1530	770	260	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	1530	770	290	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	1530	770	240	
79-01-6	Trichloroethene	11000	ug/m3	1530	770	210	
75-01-4	Vinyl Chloride	ND	ug/m3	1530	770	260	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **10/9/2014**

Sample **1410091051** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	3140	1600	530	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	3140	1600	470	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	3140	1600	500	
75-34-3	1,1-Dichloroethane	ND	ug/m3	3140	1600	500	
75-35-4	1,1-Dichloroethene	ND	ug/m3	3140	1600	530	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	3140	1600	500	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	3140	1600	470	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	3140	1600	500	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	3140	1600	470	
107-06-2	1,2-Dichloroethane	ND	ug/m3	3140	1600	500	
78-87-5	1,2-Dichloropropane	ND	ug/m3	3140	1600	500	

108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	3140	1600	500	
106-99-0	1,3-Butadiene	ND	ug/m3	3140	1600	690	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	3140	1600	470	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	3140	1600	440	
123-91-1	1,4-Dioxane	ND	ug/m3	3140	1600	500	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	3140	1600	470	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	3140	16000	660	
591-78-6	2-Hexanone	ND	ug/m3	3140	1600	500	
67-63-0	2-Propanol	2000	ug/m3	3140	3100	1300	J
107-05-1	3-Chloropropene	ND	ug/m3	3140	1600	500	
622-96-8	4-Ethyltoluene	ND	ug/m3	3140	1600	500	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	3140	1600	500	
67-64-1	Acetone	ND	ug/m3	3140	16000	2400	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	3140	1600	350	
71-43-2	Benzene	ND	ug/m3	3140	1600	500	
75-27-4	Bromodichloromethane	ND	ug/m3	3140	1600	470	
75-25-2	Bromoform	ND	ug/m3	3140	1600	470	
74-83-9	Bromomethane	ND	ug/m3	3140	1600	600	
75-15-0	Carbon Disulfide	ND	ug/m3	3140	16000	470	
56-23-5	Carbon Tetrachloride	ND	ug/m3	3140	1600	470	
108-90-7	Chlorobenzene	ND	ug/m3	3140	1600	500	
75-00-3	Chloroethane	ND	ug/m3	3140	1600	530	
67-66-3	Chloroform	ND	ug/m3	3140	1600	530	
74-87-3	Chloromethane	ND	ug/m3	3140	1600	470	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	3140	1600	500	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	3140	1600	440	
98-82-8	Cumene	ND	ug/m3	3140	1600	470	
110-82-7	Cyclohexane	ND	ug/m3	3140	3100	910	
124-48-1	Dibromochloromethane	ND	ug/m3	3140	1600	500	
64-17-5	Ethanol	ND	ug/m3	3140	16000	2500	
100-41-4	Ethyl Benzene	ND	ug/m3	3140	1600	500	
75-69-4	Freon 11	1200	ug/m3	3140	1600	530	J
76-13-1	Freon 113	280000	ug/m3	3140	1600	530	
76-14-2	Freon 114	ND	ug/m3	3140	1600	600	
75-71-8	Freon 12	ND	ug/m3	3140	1600	530	
306-83-2	Freon 123	ND	ug/m3	3140	1600	750	
354-23-4	Freon 123a	ND	ug/m3	3140	NA	NA	
75-43-4	Freon 21	ND	ug/m3	3140	1600	750	
142-82-5	Heptane	ND	ug/m3	3140	1600	530	
87-68-3	Hexachlorobutadiene	ND	ug/m3	3140	1600	440	
110-54-3	Hexane	ND	ug/m3	3140	1600	470	
179601-23-	m,p-Xylene	ND	ug/m3	3140	3100	940	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	3140	1600	530	
75-09-2	Methylene Chloride	ND	ug/m3	3140	1600	530	
95-47-6	o-Xylene	ND	ug/m3	3140	1600	470	
103-65-1	Propylbenzene	ND	ug/m3	3140	1600	500	

100-42-5	Styrene	ND	ug/m3	3140	1600	470
127-18-4	Tetrachloroethene	ND	ug/m3	3140	1600	440
109-99-9	Tetrahydrofuran	ND	ug/m3	3140	1600	630
108-88-3	Toluene	ND	ug/m3	3140	1600	530
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	3140	1600	600
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	3140	1600	500
79-01-6	Trichloroethene	15000	ug/m3	3140	1600	440
75-01-4	Vinyl Chloride	ND	ug/m3	3140	1600	530

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **11/20/2014**

Sample **1411201043** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	2516.67	1300	430	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	2516.67	1300	380	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	2516.67	1300	400	
75-34-3	1,1-Dichloroethane	ND	ug/m3	2516.67	1300	400	
75-35-4	1,1-Dichloroethene	ND	ug/m3	2516.67	1300	430	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	2516.67	1300	400	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	2516.67	1300	380	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	2516.67	1300	400	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	2516.67	1300	380	
107-06-2	1,2-Dichloroethane	ND	ug/m3	2516.67	1300	400	
78-87-5	1,2-Dichloropropane	ND	ug/m3	2516.67	1300	400	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	2516.67	1300	400	
106-99-0	1,3-Butadiene	ND	ug/m3	2516.67	1300	550	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	2516.67	1300	380	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	2516.67	1300	350	
123-91-1	1,4-Dioxane	ND	ug/m3	2516.67	1300	400	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	2516.67	1300	380	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	2516.67	13000	530	
591-78-6	2-Hexanone	ND	ug/m3	2516.67	1300	400	
67-63-0	2-Propanol	ND	ug/m3	2516.67	2500	1100	
107-05-1	3-Chloropropene	ND	ug/m3	2516.67	1300	400	
622-96-8	4-Ethyltoluene	ND	ug/m3	2516.67	1300	400	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	2516.67	1300	400	
67-64-1	Acetone	ND	ug/m3	2516.67	13000	1900	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	2516.67	1300	280	
71-43-2	Benzene	ND	ug/m3	2516.67	1300	400	
75-27-4	Bromodichloromethane	ND	ug/m3	2516.67	1300	380	
75-25-2	Bromoform	ND	ug/m3	2516.67	1300	380	
74-83-9	Bromomethane	ND	ug/m3	2516.67	1300	480	
75-15-0	Carbon Disulfide	ND	ug/m3	2516.67	13000	380	
56-23-5	Carbon Tetrachloride	ND	ug/m3	2516.67	1300	380	
108-90-7	Chlorobenzene	ND	ug/m3	2516.67	1300	400	
75-00-3	Chloroethane	ND	ug/m3	2516.67	1300	430	

67-66-3	Chloroform	ND	ug/m3	2516.67	1300	430	
74-87-3	Chloromethane	ND	ug/m3	2516.67	1300	380	
156-59-2	cis-1,2-Dichloroethene	780	ug/m3	2516.67	1300	400	J
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	2516.67	1300	350	
98-82-8	Cumene	ND	ug/m3	2516.67	1300	380	
110-82-7	Cyclohexane	ND	ug/m3	2516.67	2500	730	
124-48-1	Dibromochloromethane	ND	ug/m3	2516.67	1300	400	
64-17-5	Ethanol	ND	ug/m3	2516.67	13000	2000	
100-41-4	Ethyl Benzene	ND	ug/m3	2516.67	1300	400	
75-69-4	Freon 11	920	ug/m3	2516.67	1300	430	J
76-13-1	Freon 113	200000	ug/m3	2516.67	1300	430	
76-14-2	Freon 114	ND	ug/m3	2516.67	1300	480	
75-71-8	Freon 12	ND	ug/m3	2516.67	1300	430	
306-83-2	Freon 123	ND	ug/m3	2516.67	1300	600	
354-23-4	Freon 123a	ND	ug/m3	2516.67	NA	NA	
75-43-4	Freon 21	ND	ug/m3	2516.67	1300	600	
142-82-5	Heptane	ND	ug/m3	2516.67	1300	430	
87-68-3	Hexachlorobutadiene	ND	ug/m3	2516.67	1300	350	
110-54-3	Hexane	ND	ug/m3	2516.67	1300	380	
179601-23-	m,p-Xylene	ND	ug/m3	2516.67	2500	760	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	2516.67	1300	430	
75-09-2	Methylene Chloride	ND	ug/m3	2516.67	1300	430	
95-47-6	o-Xylene	ND	ug/m3	2516.67	1300	380	
103-65-1	Propylbenzene	ND	ug/m3	2516.67	1300	400	
100-42-5	Styrene	ND	ug/m3	2516.67	1300	380	
127-18-4	Tetrachloroethene	ND	ug/m3	2516.67	1300	350	
109-99-9	Tetrahydrofuran	ND	ug/m3	2516.67	1300	500	
108-88-3	Toluene	ND	ug/m3	2516.67	1300	430	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	2516.67	1300	480	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	2516.67	1300	400	
79-01-6	Trichloroethene	10000	ug/m3	2516.67	1300	350	
75-01-4	Vinyl Chloride	ND	ug/m3	2516.67	1300	430	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **1/28/2015**

Sample **1501281020** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	83.5	42	14	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	83.5	42	13	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	83.5	42	13	
75-34-3	1,1-Dichloroethane	ND	ug/m3	83.5	42	13	
75-35-4	1,1-Dichloroethene	ND	ug/m3	83.5	42	14	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	83.5	42	13	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	83.5	42	13	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	83.5	42	13	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	83.5	42	13	

107-06-2	1,2-Dichloroethane	ND	ug/m3	83.5	42	13	
78-87-5	1,2-Dichloropropane	ND	ug/m3	83.5	42	13	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	83.5	42	13	
106-99-0	1,3-Butadiene	ND	ug/m3	83.5	42	18	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	83.5	42	13	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	83.5	42	12	
123-91-1	1,4-Dioxane	ND	ug/m3	83.5	42	13	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	83.5	42	13	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	83.5	420	18	
591-78-6	2-Hexanone	ND	ug/m3	83.5	42	13	
67-63-0	2-Propanol	ND	ug/m3	83.5	84	35	
107-05-1	3-Chloropropene	ND	ug/m3	83.5	42	13	
622-96-8	4-Ethyltoluene	ND	ug/m3	83.5	42	13	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	83.5	42	13	
67-64-1	Acetone	ND	ug/m3	83.5	420	64	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	83.5	42	9.2	
71-43-2	Benzene	ND	ug/m3	83.5	42	13	
75-27-4	Bromodichloromethane	ND	ug/m3	83.5	42	13	
75-25-2	Bromoform	ND	ug/m3	83.5	42	13	
74-83-9	Bromomethane	ND	ug/m3	83.5	42	16	
75-15-0	Carbon Disulfide	ND	ug/m3	83.5	420	13	
56-23-5	Carbon Tetrachloride	ND	ug/m3	83.5	42	13	
108-90-7	Chlorobenzene	ND	ug/m3	83.5	42	13	
75-00-3	Chloroethane	ND	ug/m3	83.5	42	14	
67-66-3	Chloroform	ND	ug/m3	83.5	42	14	
74-87-3	Chloromethane	ND	ug/m3	83.5	42	13	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	83.5	42	13	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	83.5	42	12	
98-82-8	Cumene	ND	ug/m3	83.5	42	13	
110-82-7	Cyclohexane	ND	ug/m3	83.5	84	24	
124-48-1	Dibromochloromethane	ND	ug/m3	83.5	42	13	
64-17-5	Ethanol	ND	ug/m3	83.5	420	67	
100-41-4	Ethyl Benzene	ND	ug/m3	83.5	42	13	
75-69-4	Freon 11	38	ug/m3	83.5	42	14	J
76-13-1	Freon 113	9400	ug/m3	111.33	56	19	D
76-14-2	Freon 114	ND	ug/m3	83.5	42	16	
75-71-8	Freon 12	ND	ug/m3	83.5	42	14	
306-83-2	Freon 123	ND	ug/m3	83.5	42	20	
354-23-4	Freon 123a	ND	ug/m3	83.5	NA	NA	
75-43-4	Freon 21	ND	ug/m3	83.5	42	20	
142-82-5	Heptane	ND	ug/m3	83.5	42	14	
87-68-3	Hexachlorobutadiene	ND	ug/m3	83.5	42	12	
110-54-3	Hexane	ND	ug/m3	83.5	42	13	
179601-23-	m,p-Xylene	ND	ug/m3	83.5	84	25	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	83.5	42	14	
75-09-2	Methylene Chloride	ND	ug/m3	83.5	42	14	

95-47-6	o-Xylene	ND	ug/m3	83.5	42	13
103-65-1	Propylbenzene	ND	ug/m3	83.5	42	13
100-42-5	Styrene	ND	ug/m3	83.5	42	13
127-18-4	Tetrachloroethene	ND	ug/m3	83.5	42	12
109-99-9	Tetrahydrofuran	ND	ug/m3	83.5	42	17
108-88-3	Toluene	ND	ug/m3	83.5	42	14
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	83.5	42	16
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	83.5	42	13
79-01-6	Trichloroethene	710	ug/m3	83.5	42	12
75-01-4	Vinyl Chloride	ND	ug/m3	83.5	42	14

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **4/16/2015**

Sample **1504160930** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	13.33	6.7	2.3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	13.33	6.7	2.0	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	13.33	6.7	2.1	
75-34-3	1,1-Dichloroethane	ND	ug/m3	13.33	6.7	2.1	
75-35-4	1,1-Dichloroethene	ND	ug/m3	13.33	6.7	2.3	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	13.33	6.7	2.1	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	13.33	6.7	2.0	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	13.33	6.7	2.1	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	13.33	6.7	2.0	
107-06-2	1,2-Dichloroethane	ND	ug/m3	13.33	6.7	2.1	
17060-07-0	1,2-Dichloroethane-d4	502	ug/m3	40	NA	NA	
78-87-5	1,2-Dichloropropane	ND	ug/m3	13.33	6.7	2.1	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	13.33	6.7	2.1	
106-99-0	1,3-Butadiene	ND	ug/m3	13.33	6.7	2.9	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	13.33	6.7	2.0	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	13.33	6.7	1.9	
123-91-1	1,4-Dioxane	ND	ug/m3	13.33	6.7	2.1	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	13.33	6.7	2.0	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	20	ug/m3	13.33	67	2.8	J
591-78-6	2-Hexanone	3.5	ug/m3	13.33	6.7	2.1	J
67-63-0	2-Propanol	ND	ug/m3	13.33	13	5.6	
107-05-1	3-Chloropropene	ND	ug/m3	13.33	6.7	2.1	
622-96-8	4-Ethyltoluene	ND	ug/m3	13.33	6.7	2.1	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	13.33	6.7	2.1	
67-64-1	Acetone	77	ug/m3	13.33	67	10	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	13.33	6.7	1.5	
71-43-2	Benzene	ND	ug/m3	13.33	6.7	2.1	
75-27-4	Bromodichloromethane	ND	ug/m3	13.33	6.7	2.0	
460-00-4	Bromofluorobenzene	461	ug/m3	40	NA	NA	
75-25-2	Bromoform	ND	ug/m3	13.33	6.7	2.0	
74-83-9	Bromomethane	ND	ug/m3	13.33	6.7	2.5	

75-15-0	Carbon Disulfide	ND	ug/m3	13.33	67	2.0	
56-23-5	Carbon Tetrachloride	ND	ug/m3	13.33	6.7	2.0	
108-90-7	Chlorobenzene	ND	ug/m3	13.33	6.7	2.1	
75-00-3	Chloroethane	ND	ug/m3	13.33	6.7	2.3	
67-66-3	Chloroform	ND	ug/m3	13.33	6.7	2.3	
74-87-3	Chloromethane	ND	ug/m3	13.33	6.7	2.0	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	13.33	6.7	2.1	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	13.33	6.7	1.9	
98-82-8	Cumene	ND	ug/m3	13.33	6.7	2.0	
110-82-7	Cyclohexane	ND	ug/m3	13.33	13	3.9	
124-48-1	Dibromochloromethane	ND	ug/m3	13.33	6.7	2.1	
64-17-5	Ethanol	31	ug/m3	13.33	67	11	J
100-41-4	Ethyl Benzene	ND	ug/m3	13.33	6.7	2.1	
75-69-4	Freon 11	ND	ug/m3	13.33	6.7	2.3	
76-13-1	Freon 113	ND	ug/m3	13.33	6.7	2.3	
76-14-2	Freon 114	ND	ug/m3	13.33	6.7	2.5	
75-71-8	Freon 12	2.5	ug/m3	13.33	6.7	2.3	J
306-83-2	Freon 123	ND	ug/m3	13.33	6.7	3.2	
354-23-4	Freon 123a	ND	ug/m3	13.33	NA	NA	NF
75-43-4	Freon 21	ND	ug/m3	13.33	6.7	3.2	
142-82-5	Heptane	ND	ug/m3	13.33	6.7	2.3	
87-68-3	Hexachlorobutadiene	ND	ug/m3	13.33	6.7	1.9	
110-54-3	Hexane	ND	ug/m3	13.33	6.7	2.0	
179601-23-	m,p-Xylene	ND	ug/m3	13.33	13	4.0	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	13.33	6.7	2.3	
75-09-2	Methylene Chloride	ND	ug/m3	13.33	6.7	2.3	
95-47-6	o-Xylene	ND	ug/m3	13.33	6.7	2.0	
103-65-1	Propylbenzene	ND	ug/m3	13.33	6.7	2.1	
100-42-5	Styrene	ND	ug/m3	13.33	6.7	2.0	
127-18-4	Tetrachloroethene	ND	ug/m3	13.33	6.7	1.9	
109-99-9	Tetrahydrofuran	ND	ug/m3	13.33	6.7	2.7	
108-88-3	Toluene	14	ug/m3	13.33	6.7	2.3	
2037-26-5	Toluene-d8	515	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	13.33	6.7	2.5	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	13.33	6.7	2.1	
79-01-6	Trichloroethene	ND	ug/m3	13.33	6.7	1.9	
75-01-4	Vinyl Chloride	ND	ug/m3	13.33	6.7	2.3	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **8/4/2015**

Sample **1508040917** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	324	160	55	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	324	160	49	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	324	160	52	
75-34-3	1,1-Dichloroethane	ND	ug/m3	324	160	52	

75-35-4	1,1-Dichloroethene	200	ug/m3	324	160	55	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	324	160	52	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	324	160	49	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	324	160	52	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	324	160	49	
107-06-2	1,2-Dichloroethane	ND	ug/m3	324	160	52	
78-87-5	1,2-Dichloropropane	ND	ug/m3	324	160	52	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	324	160	52	
106-99-0	1,3-Butadiene	ND	ug/m3	324	160	71	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	324	160	49	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	324	160	45	
123-91-1	1,4-Dioxane	ND	ug/m3	324	160	52	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	324	160	49	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	324	1600	68	
591-78-6	2-Hexanone	ND	ug/m3	324	160	52	
67-63-0	2-Propanol	430	ug/m3	324	320	140	
107-05-1	3-Chloropropene	ND	ug/m3	324	160	52	
622-96-8	4-Ethyltoluene	ND	ug/m3	324	160	52	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	324	160	52	
67-64-1	Acetone	770	ug/m3	324	1600	250	J
100-44-7	alpha-Chlorotoluene	ND	ug/m3	324	160	36	
71-43-2	Benzene	ND	ug/m3	324	160	52	
75-27-4	Bromodichloromethane	ND	ug/m3	324	160	49	
75-25-2	Bromoform	ND	ug/m3	324	160	49	
74-83-9	Bromomethane	ND	ug/m3	324	160	62	
75-15-0	Carbon Disulfide	ND	ug/m3	324	1600	49	
56-23-5	Carbon Tetrachloride	ND	ug/m3	324	160	49	
108-90-7	Chlorobenzene	ND	ug/m3	324	160	52	
75-00-3	Chloroethane	ND	ug/m3	324	160	55	
67-66-3	Chloroform	120	ug/m3	324	160	55	J
74-87-3	Chloromethane	ND	ug/m3	324	160	49	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	324	160	52	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	324	160	45	
98-82-8	Cumene	ND	ug/m3	324	160	49	
110-82-7	Cyclohexane	ND	ug/m3	324	320	94	
124-48-1	Dibromochloromethane	ND	ug/m3	324	160	52	
64-17-5	Ethanol	ND	ug/m3	324	1600	260	
100-41-4	Ethyl Benzene	ND	ug/m3	324	160	52	
75-69-4	Freon 11	690	ug/m3	324	160	55	
76-13-1	Freon 113	190000	ug/m3	4050	2000	690	D
76-14-2	Freon 114	ND	ug/m3	324	160	62	
75-71-8	Freon 12	ND	ug/m3	324	160	55	
306-83-2	Freon 123	ND	ug/m3	324	160	78	
354-23-4	Freon 123a	3600	ug/m3	324	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	324	160	78	
142-82-5	Heptane	ND	ug/m3	324	160	55	

87-68-3	Hexachlorobutadiene	ND	ug/m3	324	160	45	
110-54-3	Hexane	ND	ug/m3	324	160	49	
179601-23-	m,p-Xylene	ND	ug/m3	324	320	97	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	324	160	55	
75-09-2	Methylene Chloride	78	ug/m3	324	160	55	J
95-47-6	o-Xylene	ND	ug/m3	324	160	49	
103-65-1	Propylbenzene	ND	ug/m3	324	160	52	
100-42-5	Styrene	ND	ug/m3	324	160	49	
127-18-4	Tetrachloroethene	ND	ug/m3	324	160	45	
109-99-9	Tetrahydrofuran	ND	ug/m3	324	160	65	
108-88-3	Toluene	ND	ug/m3	324	160	55	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	324	160	62	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	324	160	52	
79-01-6	Trichloroethene	13000	ug/m3	324	160	45	
75-01-4	Vinyl Chloride	ND	ug/m3	324	160	55	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **8/4/2015**

Sample **1508040921** **Sample Type** **Soil Gas-D** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	660	330	110	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	660	330	99	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	660	330	110	
75-34-3	1,1-Dichloroethane	ND	ug/m3	660	330	110	
75-35-4	1,1-Dichloroethene	380	ug/m3	660	330	110	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	660	330	110	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	660	330	99	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	660	330	110	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	660	330	99	
107-06-2	1,2-Dichloroethane	ND	ug/m3	660	330	110	
78-87-5	1,2-Dichloropropane	ND	ug/m3	660	330	110	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	660	330	110	
106-99-0	1,3-Butadiene	ND	ug/m3	660	330	150	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	660	330	99	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	660	330	92	
123-91-1	1,4-Dioxane	ND	ug/m3	660	330	110	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	660	330	99	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	660	3300	140	
591-78-6	2-Hexanone	ND	ug/m3	660	330	110	
67-63-0	2-Propanol	850	ug/m3	660	660	280	
107-05-1	3-Chloropropene	ND	ug/m3	660	330	110	
622-96-8	4-Ethyltoluene	ND	ug/m3	660	330	110	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	660	330	110	
67-64-1	Acetone	1500	ug/m3	660	3300	510	J
100-44-7	alpha-Chlorotoluene	ND	ug/m3	660	330	73	
71-43-2	Benzene	ND	ug/m3	660	330	110	

75-27-4	Bromodichloromethane	ND	ug/m3	660	330	99	
75-25-2	Bromoform	ND	ug/m3	660	330	99	
74-83-9	Bromomethane	ND	ug/m3	660	330	130	
75-15-0	Carbon Disulfide	ND	ug/m3	660	3300	99	
56-23-5	Carbon Tetrachloride	ND	ug/m3	660	330	99	
108-90-7	Chlorobenzene	ND	ug/m3	660	330	110	
75-00-3	Chloroethane	ND	ug/m3	660	330	110	
67-66-3	Chloroform	140	ug/m3	660	330	110	J
74-87-3	Chloromethane	ND	ug/m3	660	330	99	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	660	330	110	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	660	330	92	
98-82-8	Cumene	ND	ug/m3	660	330	99	
110-82-7	Cyclohexane	ND	ug/m3	660	660	190	
124-48-1	Dibromochloromethane	ND	ug/m3	660	330	110	
64-17-5	Ethanol	ND	ug/m3	660	3300	530	
100-41-4	Ethyl Benzene	ND	ug/m3	660	330	110	
75-69-4	Freon 11	770	ug/m3	660	330	110	
76-13-1	Freon 113	240000	ug/m3	6600	3300	1100	D
76-14-2	Freon 114	ND	ug/m3	660	330	130	
75-71-8	Freon 12	ND	ug/m3	660	330	110	
306-83-2	Freon 123	ND	ug/m3	660	330	160	
354-23-4	Freon 123a	4600	ug/m3	660	NA	NA	TIC
75-43-4	Freon 21	ND	ug/m3	660	330	160	
142-82-5	Heptane	ND	ug/m3	660	330	110	
87-68-3	Hexachlorobutadiene	ND	ug/m3	660	330	92	
110-54-3	Hexane	ND	ug/m3	660	330	99	
179601-23-	m,p-Xylene	ND	ug/m3	660	660	200	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	660	330	110	
75-09-2	Methylene Chloride	160	ug/m3	660	330	110	J
95-47-6	o-Xylene	ND	ug/m3	660	330	99	
103-65-1	Propylbenzene	ND	ug/m3	660	330	110	
100-42-5	Styrene	ND	ug/m3	660	330	99	
127-18-4	Tetrachloroethene	ND	ug/m3	660	330	92	
109-99-9	Tetrahydrofuran	ND	ug/m3	660	330	130	
108-88-3	Toluene	ND	ug/m3	660	330	110	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	660	330	130	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	660	330	110	
79-01-6	Trichloroethene	15000	ug/m3	660	330	92	
75-01-4	Vinyl Chloride	ND	ug/m3	660	330	110	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **10/22/2015**

Sample **1510221005** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	1206.67	600	210	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	1206.67	600	180	

79-00-5	1,1,2-Trichloroethane	ND	ug/m3	1206.67	600	190	
75-34-3	1,1-Dichloroethane	ND	ug/m3	1206.67	600	190	
75-35-4	1,1-Dichloroethene	ND	ug/m3	1206.67	600	210	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	1206.67	600	190	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	1206.67	600	180	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	1206.67	600	190	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	1206.67	600	180	
107-06-2	1,2-Dichloroethane	ND	ug/m3	1206.67	600	190	
78-87-5	1,2-Dichloropropane	ND	ug/m3	1206.67	600	190	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	1206.67	600	190	
106-99-0	1,3-Butadiene	ND	ug/m3	1206.67	600	270	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	1206.67	600	180	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	1206.67	600	170	
123-91-1	1,4-Dioxane	ND	ug/m3	1206.67	600	190	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	1206.67	600	180	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	1206.67	6000	250	
591-78-6	2-Hexanone	ND	ug/m3	1206.67	600	190	
67-63-0	2-Propanol	ND	ug/m3	1206.67	1200	510	
107-05-1	3-Chloropropene	ND	ug/m3	1206.67	600	190	
622-96-8	4-Ethyltoluene	ND	ug/m3	1206.67	600	190	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	1206.67	600	190	
67-64-1	Acetone	ND	ug/m3	1206.67	6000	930	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	1206.67	600	130	
71-43-2	Benzene	240	ug/m3	1206.67	600	190	J
75-27-4	Bromodichloromethane	ND	ug/m3	1206.67	600	180	
75-25-2	Bromoform	ND	ug/m3	1206.67	600	180	
74-83-9	Bromomethane	ND	ug/m3	1206.67	600	230	
75-15-0	Carbon Disulfide	ND	ug/m3	1206.67	6000	180	
56-23-5	Carbon Tetrachloride	ND	ug/m3	1206.67	600	180	
108-90-7	Chlorobenzene	ND	ug/m3	1206.67	600	190	
75-00-3	Chloroethane	ND	ug/m3	1206.67	600	210	
67-66-3	Chloroform	ND	ug/m3	1206.67	600	210	
74-87-3	Chloromethane	ND	ug/m3	1206.67	600	180	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	1206.67	600	190	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	1206.67	600	170	
98-82-8	Cumene	ND	ug/m3	1206.67	600	180	
110-82-7	Cyclohexane	ND	ug/m3	1206.67	1200	350	
124-48-1	Dibromochloromethane	ND	ug/m3	1206.67	600	190	
64-17-5	Ethanol	ND	ug/m3	1206.67	6000	970	
100-41-4	Ethyl Benzene	420	ug/m3	1206.67	600	190	J
75-69-4	Freon 11	740	ug/m3	1206.67	600	210	
76-13-1	Freon 113	200000	ug/m3	3620	1800	620	D
76-14-2	Freon 114	ND	ug/m3	1206.67	600	230	
75-71-8	Freon 12	ND	ug/m3	1206.67	600	210	
306-83-2	Freon 123	ND	ug/m3	1206.67	600	290	
354-23-4	Freon 123a	3700	ug/m3	1206.67	NA	NA	TIC

75-43-4	Freon 21	ND	ug/m3	1206.67	600	290	
142-82-5	Heptane	240	ug/m3	1206.67	600	210	J
87-68-3	Hexachlorobutadiene	ND	ug/m3	1206.67	600	170	
110-54-3	Hexane	440	ug/m3	1206.67	600	180	J
179601-23-	m,p-Xylene	670	ug/m3	1206.67	1200	360	J
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	1206.67	600	210	
75-09-2	Methylene Chloride	240	ug/m3	1206.67	600	210	J
95-47-6	o-Xylene	230	ug/m3	1206.67	600	180	J
103-65-1	Propylbenzene	ND	ug/m3	1206.67	600	190	
100-42-5	Styrene	ND	ug/m3	1206.67	600	180	
127-18-4	Tetrachloroethene	ND	ug/m3	1206.67	600	170	
109-99-9	Tetrahydrofuran	ND	ug/m3	1206.67	600	240	
108-88-3	Toluene	960	ug/m3	1206.67	600	210	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	1206.67	600	230	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	1206.67	600	190	
79-01-6	Trichloroethene	14000	ug/m3	1206.67	600	170	
75-01-4	Vinyl Chloride	ND	ug/m3	1206.67	600	210	

Borehole **600-SGW-5** **Depth (ft)** **137.5** **Depth (m)** **41.91** **Event Date** **1/20/2016**

Sample **1601201410** **Sample Type** **Soil Gas** **Analysis Method** **TO-15**

CAS No	Analyte	Result	Units	Dilution Factor	Report Limit	Detection Limit	QA Flag
71-55-6	1,1,1-Trichloroethane	ND	ug/m3	1720	860	290	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/m3	1720	860	260	
79-00-5	1,1,2-Trichloroethane	ND	ug/m3	1720	860	280	
75-34-3	1,1-Dichloroethane	ND	ug/m3	1720	860	280	
75-35-4	1,1-Dichloroethene	ND	ug/m3	1720	860	290	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/m3	1720	860	280	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/m3	1720	860	260	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/m3	1720	860	280	
95-50-1	1,2-Dichlorobenzene	ND	ug/m3	1720	860	260	
107-06-2	1,2-Dichloroethane	ND	ug/m3	1720	860	280	
17060-07-0	1,2-Dichloroethane-d4	489	ug/m3	40	NA	NA	
78-87-5	1,2-Dichloropropane	ND	ug/m3	1720	860	280	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/m3	1720	860	280	
106-99-0	1,3-Butadiene	ND	ug/m3	1720	860	380	
541-73-1	1,3-Dichlorobenzene	ND	ug/m3	1720	860	260	
106-46-7	1,4-Dichlorobenzene	ND	ug/m3	1720	860	240	
123-91-1	1,4-Dioxane	ND	ug/m3	1720	860	280	
540-84-1	2,2,4-Trimethylpentane	ND	ug/m3	1720	860	260	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	ug/m3	1720	8600	360	
591-78-6	2-Hexanone	ND	ug/m3	1720	860	280	
67-63-0	2-Propanol	ND	ug/m3	1720	1700	720	
107-05-1	3-Chloropropene	ND	ug/m3	1720	860	280	
622-96-8	4-Ethyltoluene	ND	ug/m3	1720	860	280	
108-10-1	4-Methyl-2-pentanone	ND	ug/m3	1720	860	280	

67-64-1	Acetone	ND	ug/m3	1720	8600	1300	
100-44-7	alpha-Chlorotoluene	ND	ug/m3	1720	860	190	
71-43-2	Benzene	ND	ug/m3	1720	860	280	
75-27-4	Bromodichloromethane	ND	ug/m3	1720	860	260	
460-00-4	Bromofluorobenzene	502	ug/m3	40	NA	NA	
75-25-2	Bromoform	ND	ug/m3	1720	860	260	
74-83-9	Bromomethane	ND	ug/m3	1720	860	330	
75-15-0	Carbon Disulfide	ND	ug/m3	1720	8600	260	
56-23-5	Carbon Tetrachloride	ND	ug/m3	1720	860	260	
108-90-7	Chlorobenzene	ND	ug/m3	1720	860	280	
75-00-3	Chloroethane	ND	ug/m3	1720	860	290	
67-66-3	Chloroform	ND	ug/m3	1720	860	290	
74-87-3	Chloromethane	ND	ug/m3	1720	860	260	
156-59-2	cis-1,2-Dichloroethene	ND	ug/m3	1720	860	280	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/m3	1720	860	240	
98-82-8	Cumene	ND	ug/m3	1720	860	260	
110-82-7	Cyclohexane	ND	ug/m3	1720	1700	500	
124-48-1	Dibromochloromethane	ND	ug/m3	1720	860	280	
64-17-5	Ethanol	ND	ug/m3	1720	8600	1400	
100-41-4	Ethyl Benzene	ND	ug/m3	1720	860	280	
75-69-4	Freon 11	830	ug/m3	1720	860	290	J
76-13-1	Freon 113	240000	ug/m3	3440	1700	580	D
76-14-2	Freon 114	ND	ug/m3	1720	860	330	
75-71-8	Freon 12	ND	ug/m3	1720	860	290	
306-83-2	Freon 123	ND	ug/m3	1720	860	410	U,X
354-23-4	Freon 123a	ND	ug/m3	1720	NA	NA	NF
75-43-4	Freon 21	ND	ug/m3	1720	860	410	U,X
142-82-5	Heptane	ND	ug/m3	1720	860	290	
87-68-3	Hexachlorobutadiene	ND	ug/m3	1720	860	240	
110-54-3	Hexane	ND	ug/m3	1720	860	260	
179601-23-	m,p-Xylene	ND	ug/m3	1720	1700	520	
1634-04-4	Methyl tert-butyl ether	ND	ug/m3	1720	860	290	
75-09-2	Methylene Chloride	ND	ug/m3	1720	860	290	
95-47-6	o-Xylene	ND	ug/m3	1720	860	260	
103-65-1	Propylbenzene	ND	ug/m3	1720	860	280	
100-42-5	Styrene	ND	ug/m3	1720	860	260	
127-18-4	Tetrachloroethene	ND	ug/m3	1720	860	240	
109-99-9	Tetrahydrofuran	ND	ug/m3	1720	860	340	
108-88-3	Toluene	ND	ug/m3	1720	860	290	
2037-26-5	Toluene-d8	508	ug/m3	40	NA	NA	
156-60-5	trans-1,2-Dichloroethene	ND	ug/m3	1720	860	330	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/m3	1720	860	280	
79-01-6	Trichloroethene	16000	ug/m3	1720	860	240	
75-01-4	Vinyl Chloride	ND	ug/m3	1720	860	290	

Appendix C
Chemical Analytical Results for Surface Water Sampling at 100 Area Lagoon (North) and 600 Area Lagoon (East)

Analytical Results for Sampling Events at 100-Lagoon-N

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
12/5/2006	353.2	0612050834	Nitrate+Nitrite as Nitrogen	0.462	mg/l	0.0500	0.00280		
11/26/2007	E300	0711260847	Nitrate (As N)+Nitrite (As N)	1.8	mg/l	0.200	0.0286		
11/21/2008	E300	0811210802	Nitrate (As N)+Nitrite (As N)	0.62	mg/l	1.0	0.0159		J
11/17/2009	EPA353.2	0911170947L	NITRATE/NITRITE AS N	1.5	MG/L	0.01	0.0036		
11/18/2010	EPA353.2	1011180901	NITRATE/NITRITE AS N	0.51	MG/L	0.01	0.0036		
11/16/2011	EPA353.2	1111160826	NITRATE/NITRITE AS N	0.69	MG/L	0.01	0.002		
11/27/2012	353.2	1211271311	Nitrate+Nitrite as Nitrogen	0.206	mg/L	0.0500	0.003		
11/20/2013	353.2	1311201000	Nitrate+Nitrite as Nitrogen	1.46	mg/L	0.0500	0.003		
12/2/2014	353.2	1412020902	Nitrate+Nitrite as Nitrogen	0.377	mg/L	0.050	0.002		
6/1/2005	353.2	0506010849	Nitrate-Nitrite	ND	mg/L	0.10	0.031		
6/7/2006	300.0	0606071306	Nitrate (As N)+Nitrite (As N)	ND	mg/l	0.100	0.039		
5/22/2007	353.2	0705220842	Nitrate+Nitrite as Nitrogen	0.0952	mg/l	0.0500	0.00280		
5/20/2008	E300	0805200947	Nitrate (As N)+Nitrite (As N)	ND	mg/l	0.200	0.0113		
5/12/2009	353.2	0905120832	Nitrate+Nitrite as Nitrogen	0.021	mg/L	0.0500	0.003		RB J
5/17/2010	EPA353.2	1005171302	NITRATE/NITRITE AS N	0.86	MG/L	0.01	0.0036		
5/23/2011	EPA353.2	1105230801	NITRATE/NITRITE AS N	1.4	MG/L	0.01	0.002		
5/23/2012	EPA353.2	1205230801	NITRATE/NITRITE AS N	0.014	MG/L	0.01	0.003		
5/16/2013	353.2	1305160802	Nitrate+Nitrite as Nitrogen	0.022	mg/L	0.0500	0.003		J
5/22/2014	353.2	1405220922	Nitrate+Nitrite as Nitrogen	0.185	mg/L	0.050	0.002		
5/18/2015	353.2	1505180902	Nitrate+Nitrite as Nitrogen	0.091	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 600-Lagoon-E

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Extract Efficiency	QA Flag
6/1/2005	353.2	0506010859	Nitrate-Nitrite	0.036	mg/L	0.10	0.031		
6/7/2006	300.0	0606071106	Nitrate (As N)+Nitrite (As N)	ND	mg/l	0.100	0.039		
5/22/2007	353.2	0705220922	Nitrate+Nitrite as Nitrogen	0.0117	mg/l	0.0500	0.00280		J
5/20/2008	E300	0805200922	Nitrate (As N)+Nitrite (As N)	ND	mg/l	0.200	0.0113		
5/12/2009	353.2	0905120902	Nitrate+Nitrite as Nitrogen	0.034	mg/L	0.0500	0.003		J RB
5/17/2010	EPA353.2	1005171312	NITRATE/NITRITE AS N	ND	MG/L	0.01	0.0036		
5/23/2011	EPA353.2	1105230816	NITRATE/NITRITE AS N	ND	MG/L	0.01	0.002		
5/23/2012	EPA353.2	1205230821	NITRATE/NITRITE AS N	0.0067	MG/L	0.01	0.003		J
5/16/2013	353.2	1305160817	Nitrate+Nitrite as Nitrogen	ND	mg/L	0.0500	0.003		
5/22/2014	353.2	1405220932	Nitrate+Nitrite as Nitrogen	0.053	mg/L	0.050	0.002		
5/18/2015	353.2	1505180912	Nitrate+Nitrite as Nitrogen	0.007	mg/L	0.050	0.002		J
12/5/2006	353.2	0612050924	Nitrate+Nitrite as Nitrogen	0.0223	mg/l	0.0500	0.00280		J
11/26/2007	E300	0711260817	Nitrate (As N)+Nitrite (As N)	ND	mg/l	0.200	0.0286		
11/21/2008	E300	0811210847	Nitrate (As N)+Nitrite (As N)	ND	mg/l	1.0	0.0159		
11/17/2009	EPA353.2	0911171002	NITRATE/NITRITE AS N	0.037	MG/L	0.01	0.0036		
11/18/2010	EPA353.2	1011180921	NITRATE/NITRITE AS N	0.029	MG/L	0.01	0.0036		
11/16/2011	EPA353.2	1111160906	NITRATE/NITRITE AS N	0.13	MG/L	0.01	0.002		
11/27/2012	353.2	1211271331	Nitrate+Nitrite as Nitrogen	ND	mg/L	0.0500	0.003		
11/20/2013	353.2	1311201017	Nitrate+Nitrite as Nitrogen	0.027	mg/L	0.0500	0.003		J
12/2/2014	353.2	1412020917	Nitrate+Nitrite as Nitrogen	0.076	mg/L	0.050	0.002		