INVESTIGATION REPORT FOR SOLID WASTE MANAGEMENT UNIT (SWMU) S-23 AND HAZARDOUS WASTE MANAGEMENT UNITS (HWMUs) SS-11 AND S-34

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INVESTIGATION REPORT FOR SWMU S-23 AND HWMUs SS-11 AND S-34

CHAPTER 1 - INTRODUCTION

During October 2015, three units at ATK Launch Systems, Inc. ("ATK") Bacchus Facility were sampled to determine nature and extent of contamination at each unit, if any. Septic System 11 (SS-11) and Sump S-34 A/B are units located at the Bacchus Facility (Figure 1) that have been designated by the Utah Division of Waste Management and Radiation Control as Hazardous Waste Management Units (HWMUs), (Utah Division of Solid and Hazardous Waste, 1989). Additionally, Sump 23 (S-23) is designated as a solid waste management unit (SWMU). These three sites received discharges from adjacent operations in Buildings 2175, 2452, and 2230, respectively (Figure 2). Wastes that were discharged may have included explosive constituents, metals, and volatile organic constituents.

This document presents a sampling and analysis approach and execution as outlined in the prepared RFI Workplan for SWMU S-23 and Sampling and Analysis Plan for HWMU's SS-11 and S-34, September 2015 ("SAP"). This Investigation Report has been prepared in general conformance with the approved SAP, guidance prepared by the U.S. Environmental Protection Agency (2000 and 2002a), and with the RCRA Facility Investigation ("RFI") Work Plan for the Bacchus Facility and its Quality Assurance Project Plan ("QAPP"), submitted to the Division by ATK (rev 2010).

This document is divided into six chapters, including this introduction. The project management plan and the data generation and acquisition plan are presented in Chapters 2 and 3, respectively, followed by the investigation results in Chapter 4. Proposed actions are covered in Chapter 5 and References cited in this document are presented in Chapter 6. Tables and figures follow the text.

CHAPTER 2 - PROJECT MANAGEMENT PLAN

2.1 PROJECT ORGANIZATION

A discussion of project organization is provided in Section C.2.1 of the RFI Work Plan QAPP (ATK, 2010). Work was generally completed under the direction of an ATK Project Manager with concurrence and plan approval from the Division. All samples collected in the field were submitted to a qualified laboratory, certified by the State of Utah.

2.2 BACKGROUND

2.2.1 HWMU SS-11

Septic System 11 (SS-11) was a septic system that served Building 2175 in the range area (see Figure 3). From approximately 1959 until 1982 or 1983, SS-11 received photo processing waste. During the Minuteman Man Missile firing, analog data was recorded under darkroom conditions onto paper tracings. Subsequent to the firing, these paper tracings required fixing using photo processing techniques. The tracings were also reproduced in a similar process, again requiring photo fixing solutions (RCRA Facility Assessment “RFA” of the Bacchus Works, Utah Division of Solid and Hazardous Waste, 1989). SS-11 was classified a HWMU because photo processing may generate hazardous waste (silver).

2.2.2 SWMU S-23

SWMU S-23 is an earthen sump approximately 23 x 24 feet and about 2 to 3 feet deep. It received discharges from Building 2230 (see Figure 4). This building was previously used as a binder premix building where the liquid portion of the nitroglycerin-based propellant was mixed.

The potential contaminants at this site include explosive constituents and metals (primarily lead from the building floor).

2.2.3 HWMU S-34

Building 2452 was used to hydro-test forward, center, and aft segments of rocket booster cases. Unit S-34 is an earthen ditch that received water from Building 2452. It runs approximately 160 feet, at which point it connects into a storm water drainage ditch. The ditch is about 3 to 4 feet in width (RFA 1989). This unit is divided into A and B with ditch segment A on the west side of the entry road and ditch segment B on the east side of the entry road with the ditches connected via a conduit under the road.

Possible contaminants from these operations were thought to have included volatile organic constituents used as a cleaning solvent. Because trace amounts of TCA (4 ug/l) were found in a disposal solution sample collected at the site in the late 1980s, S-34 A and B were designated a hazardous waste management unit. Metals analyses were conducted at the same time that the trace of TCA was detected. It was found that the only RCRA-metal detected was barium at 0.08 mg/l. Therefore, no metals analyses were planned for this unit. HWMU S-34 A and B are shown on Figure 5.

2.3 OBJECTIVES

The objective of the sampling program was to quantify the extent and magnitude of soil contamination, if any, at these units. The data collected will be used to determine whether or not future corrective action is warranted at the site. The null hypothesis at this stage of the investigation for all three sites is: Contamination does not exceed the residential soil screening levels and groundwater protection standards of UAC R315-101.

Based on information presented in the RFA, it is presumed that wastewater discharged to the septic system drain fields at SS-11 and rinse water at S-23 and S-34 may have contained contaminants. Given the range of compounds that might be present in the wastewaters that were discharged at the sites, samples collected during this investigation were analyzed for metals, explosives, and/or volatile organic compounds. Samples were collected from the locations using the methods outlined in Chapter 3 of the SAP.

2.4 DECISION RULE

As discussed in Section 2.5.5 of the SAP and in accordance with R315-101-6, the decision rule for this site will involve risk based clean closure, site management, and/or corrective action. The collected data from this investigation were initially screened using the most current Regional Screening Levels (RSLs) for Contaminants of Concern under a residential land-use scenario. Metals are naturally occurring on site. The reported concentrations of metals were evaluated against the natural and background metal concentrations for chemicals of potential concern (COPC) for risk evaluation and the soil to groundwater pathway. Metal concentrations less than the established background concentration were removed from any risk evaluation. Background threshold values (BTV) are shown in Table 1.

It is acknowledged that the RSLs depart from the requirements of R315-101 in two areas. Specifically, the RSLs do not consider exposures due to ingestion of food grown in contaminated soil or due to dermal contact with contaminated water. Since neither of these pathways is valid for these units (due to current use as an industrial site), the RSLs were considered appropriate for use as a screening tool in this study, particularly when considering the fact that screening was conducted using residential RSLs at an industrial site. Additionally, values were evaluated for groundwater protection using a dilution attenuation factor (DAF) of 20 which is 20 times the published soil screening level (ssl). If any of the results are greater than the DAF-20 concentration, a unit-specific DAF will be calculated.

CHAPTER 3 - DATA GENERATION AND ACQUISITION

3.1 SAMPLING PROCESS DESIGN

The objective of site sampling was to define the nature and extent of contamination as needed to evaluate the null hypothesis that contamination does not exceed the residential soil screening and groundwater protection standards of UAC R315-101. A combination of judgmental and systematic sampling was employed at the site. Given the existence of point or areal discharges, judgmental sampling locations was selected to ensure that the most likely area of impact is assessed. Within these areas of likely impact, samples were collected on systematic vertical intervals to determine the depth of contaminant migration, if any.

Figures 6 through 8 show the sample locations for each of the units. These sample locations were surveyed following sampling activities to reflect actual sample locations as a comparison against the proposed locations in the SAP.

3.2 SAMPLING METHODS

3.2.1 Soil Sampling Procedures

Soil samples were collected from the upper six inches and from depths of approximately two, four, and eight feet for a minimum of three subsurface samples at each selected location. Soil was collected continuously during sampling, from the ground surface to the total depth to allow a more complete description of the soil profile. Subsurface soil samples were collected using direct push sampling methods.

After collection of subsurface samples, the liner was retrieved from the direct push sampling tube and laid on a table where it was visually inspected. The collection of soil for volatile organic compounds analysis was conducted following SW-846, Method 5035A. A 10cc plastic sampling syringe, with the end cut off, was pressed into the soil for sample collection. Upon removal from the soil sample, the syringe was lightly inserted into a prepared 40ml glass

vial, the soil extracted, and immediately capped, in accordance with Method 5035A. Since the soils at the Bacchus facility tend to be somewhat alkaline, the vials contain deionized water rather than sodium bisulfate, according to Method 5035A. The sample vials were immediately placed in a cooler on ice. Once the volatile samples the plastic sleeve was observed for material description and logging and any additional sample collection.

The soil in each liner was checked for the presence of VOCs using an organic vapor analyzer ("OVA") by placing a portion of the sampled soil in a plastic bag, leaving a few inches of air (head) space. The sample in the bag was allowed to sit for at least 3 minutes at an ambient temperature and the head space of the bag was monitored with the OVA. Once collected, the soil was placed in appropriate containers for delivery to the analytical laboratory.

Soils were submitted for metals analysis by collecting the soil directly from the split sample liner and placing the soil in a stainless steel bowl. The soil was thoroughly mixed and then placed in 4 oz. glass bottles for analysis by Method 6010B and 7471A.

A backhoe was used for investigation and sampling at SS-11 after several attempts to collect subsurface samples with the direct push rig. The direct push rig failed to advance beyond three feet due to large cobbles and boulders in the subsurface.

3.3 SWMU SPECIFIC SAMPLING ACTIVITIES

Sample collection activities for each unit are described below. Section 2.2 previously discussed the past management activities at each of the units.

3.3.1 HWMU SS-11

It was originally thought, based on old site plans, that the septic system that served building 2175 included a tank and clay lined pipe that led to two drainfields. Initial attempts to investigate the site included use of a direct push rig to collect continuous soil samples from the locations proposed in the approved SAP. While attempting to collect subsurface soils samples, the direct push rig was unable to penetrate deeper than 3 feet below the surface due to the

presence of cobbles and boulders. After several attempts, drilling using this method was abandoned and a backhoe was brought to the site to continue the investigation. Several areas were excavated in an attempt to find the lateral drain field as depicted in the SAP. After attempting to find these drains with no success, it was determined that the only part of the old site plan that was accurate was the drain line coming from building 2175 and connecting to the septic tank. The drain line and tank were located and one sample was collected from the sludge in the bottom of the septic tank (Sample #1 and duplicate sample #2). Two samples (#3 and #4) were collected from soils beneath the drain line where the pipe was broken during trenching. One additional sample (#5) was collected at the end of the pipe where it exited into the gravel drain field. No distribution box or drain lines branched off into the drain field. No drain line from what would have been the area of photo processing area was found.

Samples were analyzed for metals (antimony, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) using EPA method 6010B. Mercury was analyzed by EPA method 7471A and arsenic by EPA method 6020A. Additionally, hexavalent chromium was analyzed by EPA method 7199. The septic tank, sample locations within the tank, and sample locations along the clay pipeline are shown on Figure 6.

3.3.2 SWMU S-23

Soil samples were collected from borings at four locations within the sump. The borings were advanced to a depth of eight feet, with samples collected at two-foot intervals, beginning at the ground surface. Each sample was submitted for analysis of energetics (HMX, RDX, NG, perchlorate, and metals). The borings were located at the approximate inlet to the sump, the deepest point of the sump, and two locations randomly chosen.

Additionally, a field X-Ray Florescence (XRF by Innov-X) instrument was used to screen surface soils along the trace of the former trough that delivered water to S-23. Results of this XRF screening did not indicate that contamination is present in these surface soils. Therefore, no additional samples were collected along the trough trace. Figure 7 shows the locations of each boring at S23 where soil borings were advanced.

3.3.3 HWMU S-34

Sump S-34 is divided into S-34A and S-34B as shown on Figure 8. The division is due to the separation of the earthen drainage ditch that received water from Building 2452. The ditch is about 3 to 4 feet in width and is divided into A and B. Ditch segment A is on the west side of the entry road and ditch segment B on the east side of the entry road with both segments connected via a conduit under the asphalt road.

Five soil gas samples were collected from S-34 for screening purposes with three samples coming from S-34A and two samples collected from S-34B. The SAP originally called for two soil gas samples from each side of the road but an additional location was added to S-34A ensure adequate coverage since the exact location of the ditch had been covered following building demolition in the area. Soil gas was collected from the locations shown on the attached figures by creating a vertical hole using a 4-foot, 3/8-inch diameter hand driven plunger bar. Once the plunger bar was driven to depth, a perforated ¼-inch diameter stainless steel extraction tube was lowered into the hole. The stainless tubing was connected, via Teflon coated tubing, to a laboratory supplied 6 liter SUMMA canister, under vacuum, which enabled the extraction of soil-gas from the borehole. The stainless steel tubing was sealed at the surface with a wet rag and moist soil to preclude drawing ambient air into the sample.

The Summa canisters used for this investigation were provided by ALS Global of Salt Lake City, Utah. Each canister was measured for vacuum prior to sampling by use of a vacuum gauge. Once connected to the down-hole extraction tube, the canister was operated at a very low flow rate of approximately 0.5 liters per minute or less. This lower rate was initiated in an attempt to minimize the potential for ambient air from the surface to be drawn into the sample.

All soil-gas points were temporary installations. Once sampling was complete, the tubing was removed and the access hole was filled with native soil. The site was marked with a stake and flagging which enabled re-locating the sample at a later date. Samples were submitted under chain of custody to ALS Global analyzed for EPA TO-15, volatile organic constituents.

Additionally, four soil samples were collected from the invert of the ditch at S-34B. Samples were collected at two-foot intervals, beginning at the ground surface to a depth of eight feet. A direct push rig was used to collect a continuous soil sample as described in Section 3.2.1. Samples were submitted for VOC analysis.

3.4 DECONTAMINATION PROCEDURES

Prior to and following the collection of each sample, any sampling equipment coming in contact with the soil was cleaned with a non-phosphate detergent (e.g., Liquinox®), rinsed with tap water, and final rinsed with distilled water. Wastewater generated during field decontamination was collected and properly disposed. Since direct push technology recovers soils by pushing a sample liner directly into the subsurface, very little residual soil was generated. Backhoe sampling methods were utilized at SS-11 and the soils generated remained within the boundary of the unit. Any portion of the soil not submitted to the laboratory was observed and left within the respective site boundary.

3.5 SAMPLE HANDLING AND CUSTODY

Sample containers consisted of glass jars, with Teflon-lined lids. The samples were pressed into the jar in a manner that minimizes air pockets. A syringe type sampler (as per EPA Method 5035A) was used to collect soil samples for VOCs. Five to seven grams of soil were collected in the open ended syringe and extruded into a 40 mL VOA vial. Only the syringe and vial contacted the sample during collection of the VOC sample. The vial was sealed and placed on ice or frozen within 48 hours. Only decontaminated stainless steel or clean disposable gloves were allowed to contact a sample during placement in a bottle. Disposable gloves were worn at all times during sample handling to prevent cross contamination between samples and skin contact with potential contaminants. The gloves were disposed of between each sample.

Sample bottles were placed on ice in waterproof chests for delivery to the analytical laboratory. All sample bottles were placed in reclosable plastic bags to provide protection from other samples and sample handlers in the event of sample-container breakage. Sample labels

were used to identify the samples. These labels were sufficiently durable to remain legible when wet and were marked with indelible ink and affixed to the sample containers.

A chain-of-custody form was completed to trace sample possession from the time of collection through laboratory analysis. One chain-of-custody form accompanied each shipping container of samples. The analyses to be performed were indicated on the chain-of-custody form, including the quantity and types of containers that comprise each sample. The completed chain-of-custody form was sealed in a reclosable plastic bag and placed inside the shipping container. The shipping container was then securely closed and delivered to the analytical laboratory.

All field data was recorded in a log book. Information recorded in the log book included the date, time and depth of sample collection, descriptions of the soils encountered at each sampling location, reasons for field decisions concerning sample intervals, reasons for departures from prior plans, general observations, etc.

3.6 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

All Quality Assurance/Quality Control ("QA/QC") soil samples were analyzed for the constituents listed in Table 2. QA/QC samples consisted of trip blanks and field blind duplicates.

3.6.1 Field Quality Control Samples

Trip blanks were included with each shipping container of samples to be analyzed for VOC's. Analysis of trip blanks show whether a sample bottle was contaminated during shipment from the manufacturer, while in bottle storage, in shipment to the laboratory, or during analysis at a lab. Trip blanks consisted of an aliquot of distilled water sealed in a sample bottle, prepared prior to field sampling before the samples were collected. One trip blank set accompanied each cooler of samples sent for VOC analysis.

Field duplicate samples were analyzed to check the reproducibility of sampling and analytical results of two samples collected from the same location. Field duplicates (representing about 10% of the total samples sent to the laboratory) were collected for COPC analysis from randomly-selected locations during the sampling campaign. A subsurface sample selected for duplication was obtained by removing half of the sample following mixing. The duplicate sample was given a designation that will differentiate the duplicate from the original sample.

3.6.2 Laboratory Quality Control

The results of quality control checks are the primary tools used for data validation. The laboratory director, as results became available, reviewed raw data and final results. The director confirmed that documentation was complete and legible, qualitative identifications were accurate, calculations were accurate, results were expressed in the appropriate units and number of significant figures, and the required quality control checks were run and met acceptance criteria. Internal laboratory quality control checks were performed in accordance with Section C.3.7.2 of the RFI Work Plan QAPP (ATK, 2010).

3.7 SITE SURVEY CONTROL

Following collection of the soil samples, each sample location was surveyed with a GPS unit to allow sample sites to be re-accessed in the future if necessary.

CHAPTER 4 - RESULTS

Soil samples were analyzed for metals, VOC's, or explosives or a combination of the list of constituents presented on Table 2. This table also includes MDLs and EQLs. The detection limits were sufficiently low to ensure that background and/or preliminary remediation goals could be appropriately evaluated.

As indicated in Section 2.4, all data from this investigation were initially screened using RSLs for Contaminants of Concern under a residential land-use scenario. Metals were evaluated against the BTVs. As previously indicated, metal concentrations less than the established background concentration were removed from any risk evaluation. Background values are shown in Table 1.

4.1 SS-11 INVESTIGATION RESULTS

As indicated in Section 3.3.1, a septic tank and a drain line feeding the septic tank from former building 2175 were uncovered while investigating the area with a backhoe. Cross trenching uncovered a clay drain pipe leading to the septic tank. Three samples were collected at the base of the clay pipe as shown on Figure 6. Additionally, one sludge sample was collected from the bottom of the tank along with a field duplicate sample. The septic tank was dry and contained about eight inches of soil with a total volume of approximately 0.5 cubic yards.

Samples were analyzed for the metals constituents shown on Table 2 as well as hexavalent chromium. A summary of the detected constituents found in sludge and soil samples collected at SS-11 can be found in Table 3. Screening levels are included in the table as a comparison to the values reported by the laboratory. The only constituent that exceeded either the RSL or BTV for metals was arsenic. Arsenic was found to be slightly above the BTV of 9.98 mg/kg at 11.8 mg/kg at sample location #1 (collected from the inside of the septic tank). The septic tank is slated for removal during a future demolition project at the Bacchus Facility. Based on the limited volume of waste in the tank, the reported concentrations of analytes, and a depth

to groundwater of approximately 170 feet, any release to ground would not result in groundwater contamination.

4.2 S-23 INVESTIGATION RESULTS

As indicated in Section 3.3.2, four locations within sump S-23 were sampled to a depth of eight feet, with samples collected at two-foot intervals, beginning at the ground surface. The potential contaminants at this site included explosive constituents and metals (primarily lead from the building floor). Each sample interval (0-6”, 2’, 4’, and 8’) was submitted for analysis of energetics (HMX, RDX, NG, and perchlorate) and metals. The borings were located at the approximate inlet to the sump, the deepest point of the sump, and two locations randomly chosen (figure 7).

The only contaminant to exceed either the RSL or BTV screening level at any of the samples collected within the sump was lead. Lead was detected at a maximum of 9670 ug/g at 0-6” in sample location #1 (inlet). Lead was also detected above the RSL of 400 mg/kg at samples 2-0-6”, 3-0-6”, and 4-0-6”. Subsequent soil samples collected at 2’, 4’, and 8’ did not contain lead at concentrations above the RSL. It is likely that the lead found in the sump in the upper 6-inches of soil is a result of cleaning and wash down of the lead floor in building 2230. As indicated by previous sump investigations at the Bacchus Facility (Sump Re-evaluation ICR, 2011), lead found at concentrations above the RSL in the sump typically exist within the upper few feet of soil. This was shown to be true at S-23 where all lead concentrations at depths of 2 feet or greater were below the RSL of 400 mg/kg. Analytical results for both energetics and metals can be found on Tables 4 and 5.

4.3 S-34 INVESTIGATION RESULTS

The earthen ditch at HWMU S-34 was investigated by collecting continuous soil samples from the earthen ditch that received water from Building 2452. Samples were collected from the east side segment of the ditch (S-34B) at four locations. Samples were collected at 0-6”, 2’, 4’, and 8’ below ground surface. Samples were submitted for VOC analyses by EPA Method 8260B (Table 2) to the ATK Environmental Laboratory at Promontory, Utah. No volatile organic

constituents were detected above RSL's. Only two constituents (acetone and bromomethane) were found in the samples above the method detection limit (mdl). VOC results reported for S-34 can be found in Table 6.

Soil gas samples were collected from both A and B segments of the ditch at S-34 as discussed in Section 3.3.3. These samples were collected using 6 liter summa canisters provided, under vacuum, by ALS Global of Salt Lake City.

Of the 57 constituents that comprised the TO-15 analytical list, 22 were detected at least once in the five soil gas samples collected at the S-34 site. The 22 detected constituents were screened initially using RSL values for indoor air (residential). This screening reduced the number of detected constituents above an RSL to a total of five. These five constituents (1,3-butadiene, 1,2,4-trimethylbenzene, benzene, chloroform, and ethyl benzene) were then screened using the California Department of Toxic Substances Control (DTSC), Screening-Level Model for Soil Gas Contamination. This model utilizes the observed soil gas concentration to calculate an equivalent indoor air value. This value was then compared against the RSL. No constituent was found to have a calculated indoor air value above the RSL.

The model for 1,3-butadiene indicates that the cancer risk is slightly above 1x10-6 for a residential scenario. All other screened constituents were below the 10-6 cancer risk. It should be noted that this model is very sensitive to air flow, exposure duration, and exchange rate along with a few other less sensitive parameters. Four other samples from the same unit were below the cancer risk threshold. Table 7 contains results of soil gas analyses. Laboratory QA/QC associated with the samples can be found in Appendix A and the DTSC model runs can be found in Appendix E.

4.4 QUALITY CONTROL/QUALITY ASSURANCE RESULTS

Quality control samples consisted of field duplicates and trip blanks.

4.4.1 Field Duplicate Samples

4.4.1.4 SS-11

Field duplicate (FD) samples were collected at a rate of approximately 10% of soil samples collected from three units investigated. These samples were submitted to the laboratory for analyses of the same constituents for which the original sample was being analyzed. Table B-1 lists constituents detected in both the original sample set (1510021-01) and the corresponding FD sample (1510021-02) along with the relative percent difference (RPD) value. The RPD for metals at SS-11 showed that most constituents were below 25% RPD. The calculated RPDs were below 25% nearly 13 out of 15 times. RPDs above 25% may be attributed to heterogeneity in the soils and when compositing, inadequate mixing of the sample.

4.4.1.2 S-23

Samples collected at unit S-23 included metals and energetics. Field duplicate (FD) samples were collected at S-23-2-8’ (FD-1) and S-23-3-0-6” (FD-2). Comparisons were made between the original and the FD and only 3 of the 34 analytes were found above the 25% threshold. Again, this can be attributed to heterogeneity in the soils. S-23 FD results can be found in Appendix B, Table B-2.

4.4.1.3 S-34

No comparisons were made between the soil sample sets because only 3 in 84 constituents had concentrations above the detection limit. The constituents detected were acetone, bromomethane, and naphthalene at very low concentrations (less than 7 ug/kg). Therefore, concentrations were not compared and the RPD was not calculated for either comparison.

4.4.2 Trip Blanks

A trip blank (TB-1) sample was collected and submitted with the samples for analyses of volatile organic constituents by EPA Method 8260B. No constituents were detected above the method detection limits in these analyses. See Appendix B.

4.5 DATA VALIDATION

Data review, verification, and validation were accomplished as outlined in Section C.5.1 of the RFI Work Plan QAPP (ATK 2010). ATK retained AQS, Inc. of South Weber Utah to perform third-party validation of the samples. Samples collected from SS-11 and S-23 were reviewed by AQS to satisfy the SAP requirement of 10% of samples being subject to Level III validation.

Results from the Level III data validation performed by AQS showed several constituents where the laboratory detection limits were greater than those in the SAP. However, the anticipated method detection (MDL) and estimated quantitation limits (EQL) in Table 2 are always statistically determined and subject to change. Although many of the MDLs are greater than those proposed in Table 2, this is not unusual and is typically due to matrix interference. The MDLs presented in the SAP are those that the laboratory strives to achieve. The reported MDLs however, are less than the RSLs required for risk-based decisions and therefore are suitable for use.

Additionally, in the matrix spike and matrix spike duplicate (MS/MSD) and laboratory control samples (LCS), antimony and silver were recovered low due to acid matrix interference and zinc samples had high recovery due to acid matrix interference and were j flagged. Two laboratory duplicate samples were found to be outside of acceptable criteria. This was indicated in the report by AQS to be due to the samples not being homogeneous which is fairly common with soil samples.

Hexavalent Chromium was analyzed by Method 7199 (ion chromatography). Table 2 of the SAP stated that Method 7196A (colorimetric) should be used for the analysis of Hexavalent

Chromium. As stated in the data validation report, there should be no statistically significant difference in results obtained with method 7199 when compared with method 7196A.
The MDL and EQL, for all samples, were higher than the required limits provided in Table 2 of the SAP. All sample results had detections above the project MDL, therefore, no qualification flags were applied to the data results.

Based on the data validation reports, the data can be used for determination of risk-based closure and protection of groundwater for human health and the environment. Summaries of the AQS Level III Data Validation can be found in Appendix C.

CAPTER 5 - PROPOSED ACTION

Of the three units investigated, only S-23 had concentrations of contaminants that exceeded a screening level that warranted additional action at the unit. SS-11 did not contain sludge or soil with contaminant concentrations above screening levels. S-34 also had soil concentrations well below screening levels. Soil gas concentrations were screened and found to be below RSL values for indoor air. Therefore, no further action is anticipated for these two units.

5.1 REMEDIATION ACTIVITY AT S-23

In all four surface samples (0-6”) at S-23, lead was detected above the RSL of 400 mg/kg. Subsequent lead analyses in soil samples collected at two feet, four feet, and eight feet in each location were below the 400 mg/kg threshold. Therefore, it appears all of the lead contamination exists within the upper six inches. Previous investigations (ATK 2011) in sumps at the Bacchus Facility found that lead contamination primarily existed between the surface and a depth of one foot. Based on this information, a backhoe was mobilized to the site during February 2016. The upper two feet of soil within the sump was mixed and blended in an attempt to reduce the soil concentrations to less than the RSL of 400 mg/kg. Subsequent testing of the blended soil reported the concentrations to be greater than 400 mg/kg. TCLP results reported that none of the soil was characteristically hazardous. Therefore it was concluded that this soil would be removed and hauled to the Salt Lake County Landfill.

Removal of soil that contained elevated concentrations of lead was accomplished by excavating the sump with a backhoe while using the XRF to screen soils prior to collecting confirmation samples. This method was repeated at several locations within the sump to verify depth of lead contamination as well as the lateral extent of lead contamination during excavation and removal. Approximately 56 tons of soil was removed from S-23 during this event.

Following the removal of lead contaminated soils at S-23, additional laboratory confirmation samples were collected at locations within the unit to verify results recorded by the XRF. The soil samples were delivered to Chemtech-Ford Laboratories on March 24, 2016 for

analysis of metals by EPA Method 6010B/3050B and EPA 7471A. No lead concentrations were found above the 400 mg/kg RSL in any of the confirmation samples. The highest reported value of lead found in a confirmation sample was 53.6 mg/kg at sample site 1S16077. These laboratory confirmation results can be found in Appendix D.

5.2 CONCLUSIONS

Analytical results from HWMUs SS-11 and S-34 showed that no VOC or metals exceed RSLs or TLVs. Except where corrective action was required as S-23, all analytes were less than the screening levels. These sites have been adequately investigated and sampled. The RSLs were calculated to be protective of groundwater. The screening levels were either back-calculated from protective risk-based ground water concentrations or based on MCLs. The RSLs were designed for use during the early stages of a site evaluation when information about subsurface conditions may be limited. Because of this constraint, the equations used are based on conservative, simplifying assumptions about the release and transport of contaminants in the subsurface. Migration of contaminants from soil to groundwater can be envisioned as a two-stage process: (1) release of contaminant in soil leachate and (2) transport of the contaminant through the underlying soil and aquifer to a receptor well. The SSL methodology considers both of these fate and transport mechanisms (Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. Users Guide).

Arsenic exceeded the RSL value of 0.68 mg/kg and the BTV of 9.98 mg/kg. Arsenic was found to be slightly above the BTV of 9.98 mg/kg at 10.3 mg/kg at sample location #1 at SS-11. Arsenic occurs naturally in soils across the conterminous United States at concentrations in excess of a few to several parts per million. Shacklette and Boerngen (1984) report that the average arsenic concentration in the western United States is 7.0 mg/kg, with an observed range of up to 97 mg/kg. Kabata-Pendias and Pendias (1984) report that arsenic concentrations in alluvial soils in the U.S. (i.e., the soil type that occurs at the Bacchus Works) typically range from 2.1 to 22.0 ppm, averaging 8.2 ppm. Concentrations tend to be highest in areas of known mineralization (Gustavsson et al., 2001), such as in the vicinity of the Oquirrh Mountains adjacent to the ATK Bacchus Works. Therefore, although slightly above the BTV of

9.98 mg/kg, the arsenic detected at SS-11 is not likely to be a contaminant of concern generated by site practices but rather, soil from within the range of variability of site soils.

Lead was found to exceed the BTV at one location in S-23. The BTV for lead was calculated to be 17.7 mg/kg. The detected value at location 4 in S-23 was 53.6 mg/kg. This value is well below the RSL of 400 mg/kg. There is no SSL for lead and therefore no DAF 20 value is calculated. Table 8 contains a list of all constituents that exceed either a background (BTV) or DAF-20 groundwater protection value.

Based on the conservative values used to calculate the RSLs and the fact that no contaminant exceeds these RSLs, the soil to groundwater pathway does not pose a concern and unrestricted soil use is requested for sites SS-11 and S-34. Additionally, following the excavation, removal, and subsequent confirmation sampling at S-23, it is also proposed that unrestricted soil use be granted for this site as well.

CHAPTER 6 - REFERENCES

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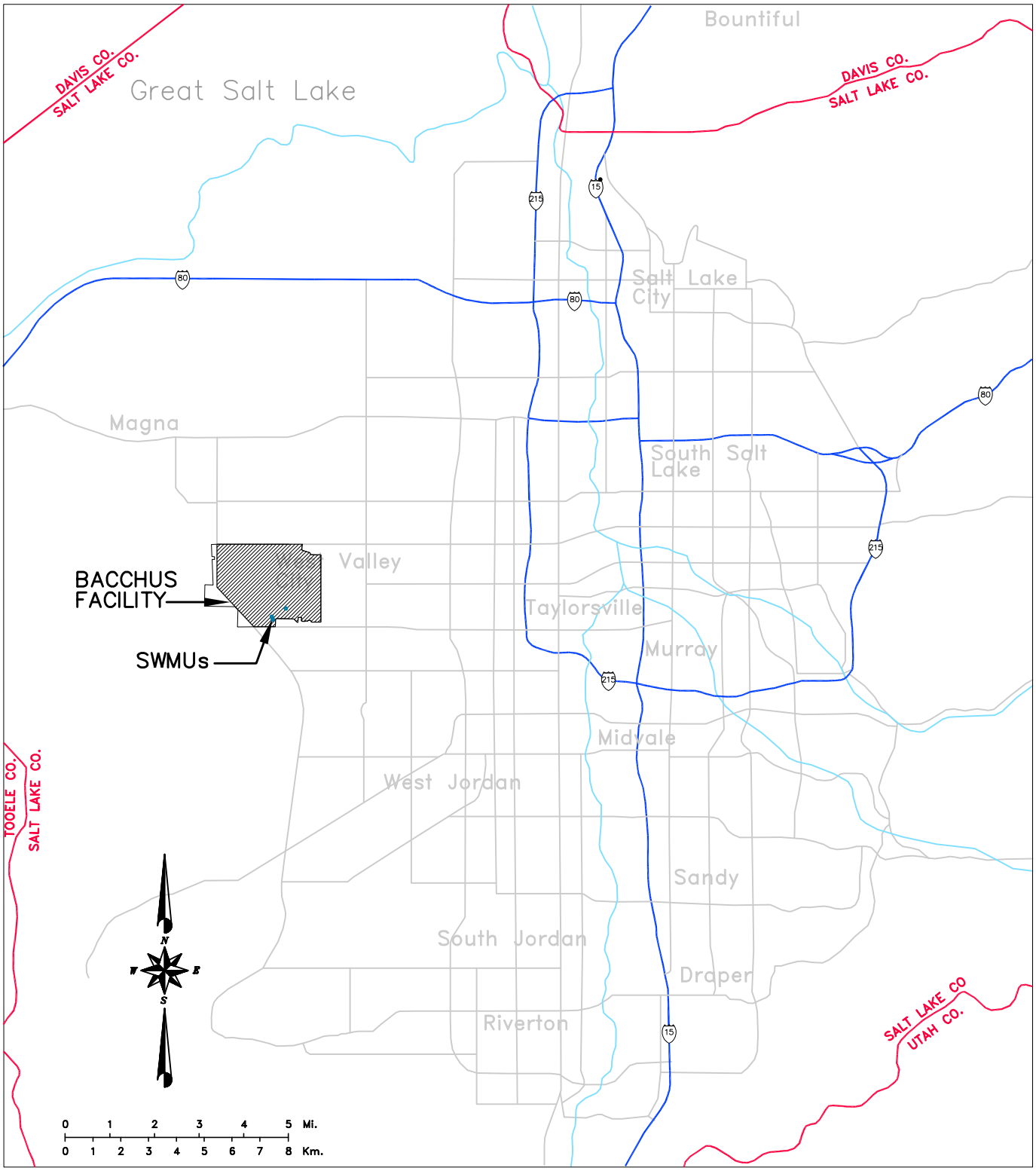

FIGURE 1. ATK LAUNCH SYSTEMS
BACCHUS FACILITY VICINITY MAP

EarthFax

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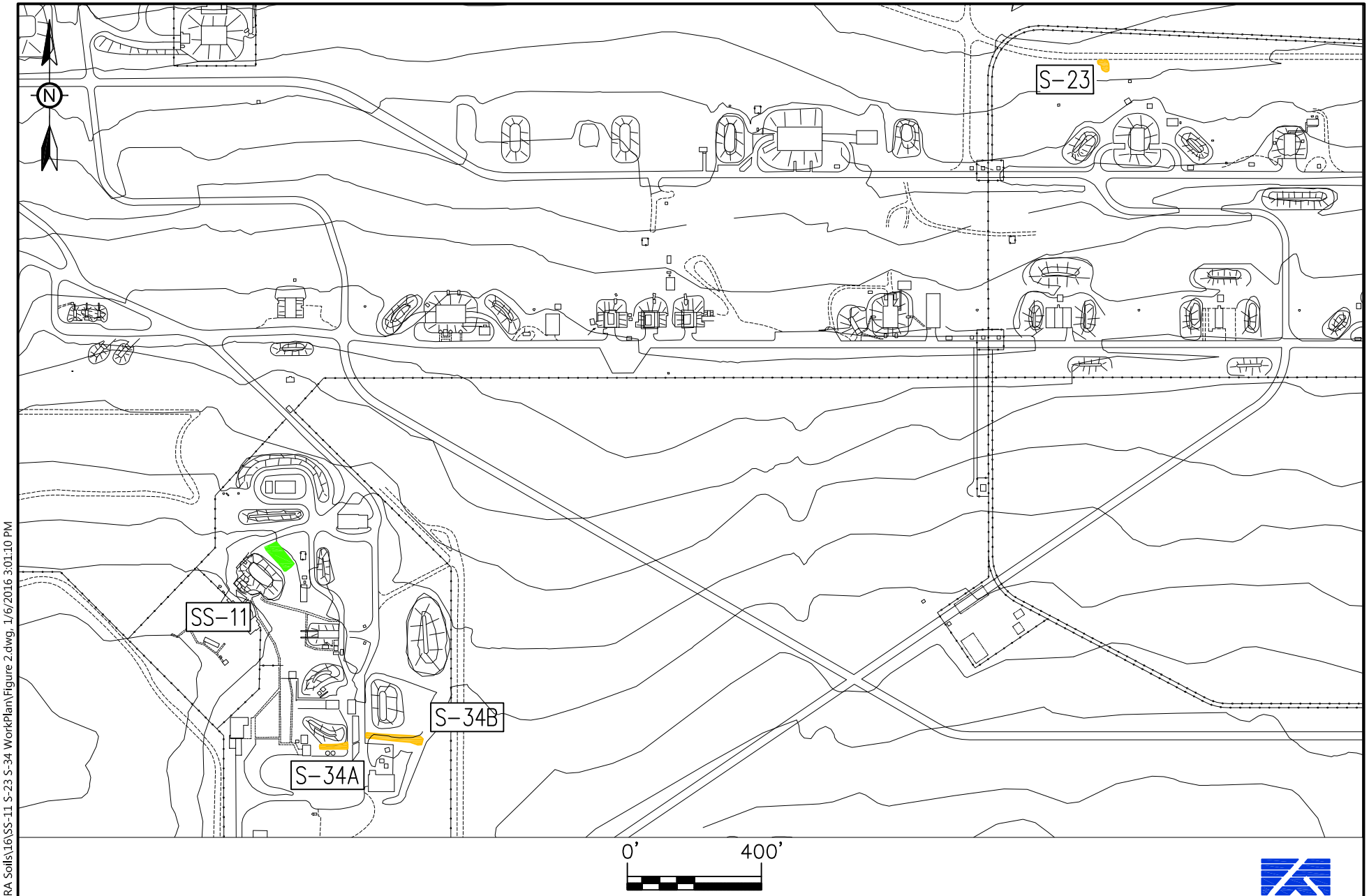

FIGURE 2. SWMU/HWMU LOCATION MAP

EarthFax

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0' 50'

FIGURE 3. HWMU SS-11 LOCATION AND EXTENT

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0' 100'

FIGURE 4. SWMU S-23 LOCATION AND EXTENT

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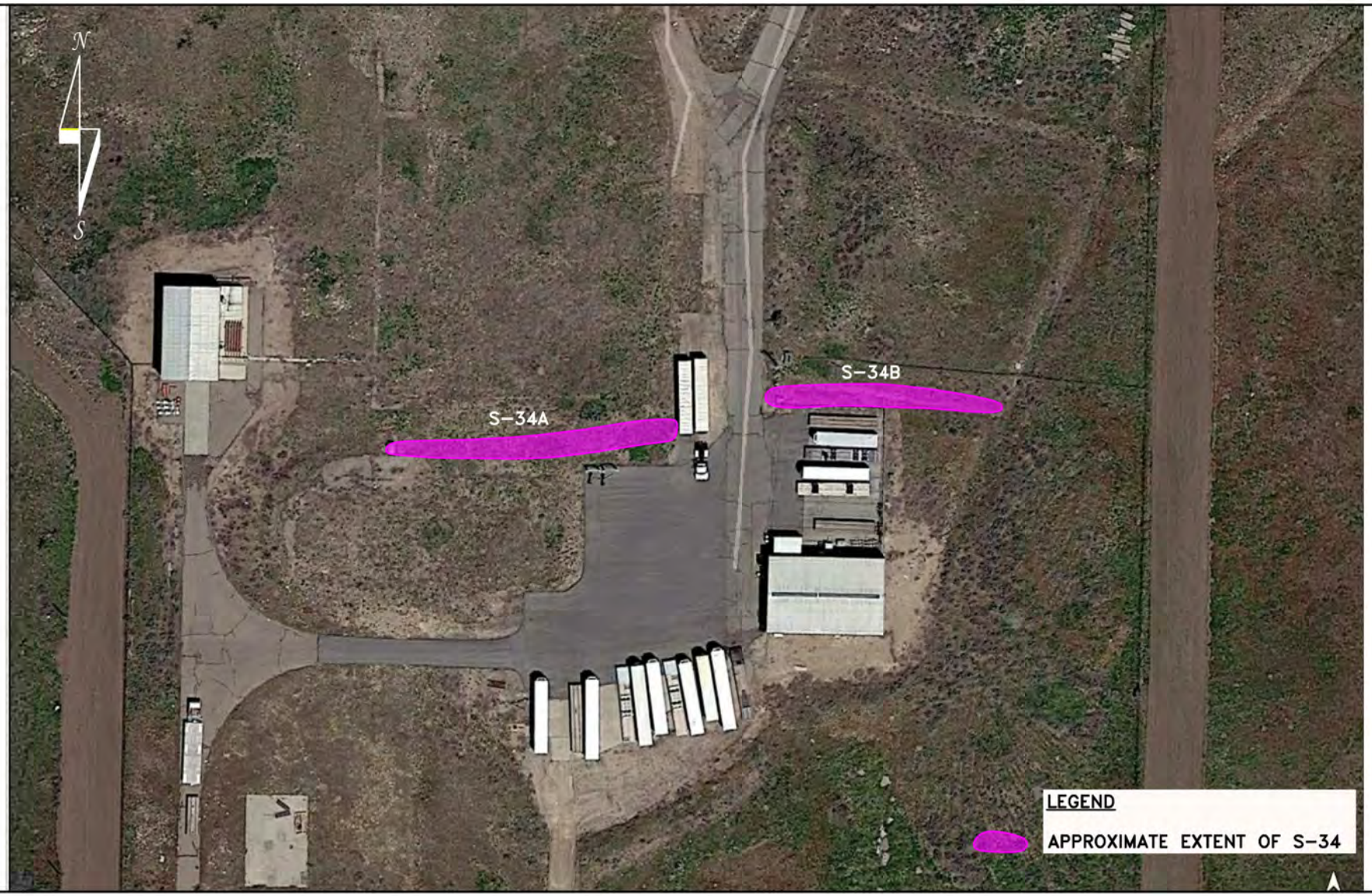

0' 100'

FIGURE 5. SWMU S-34 LOCATION AND EXTENT

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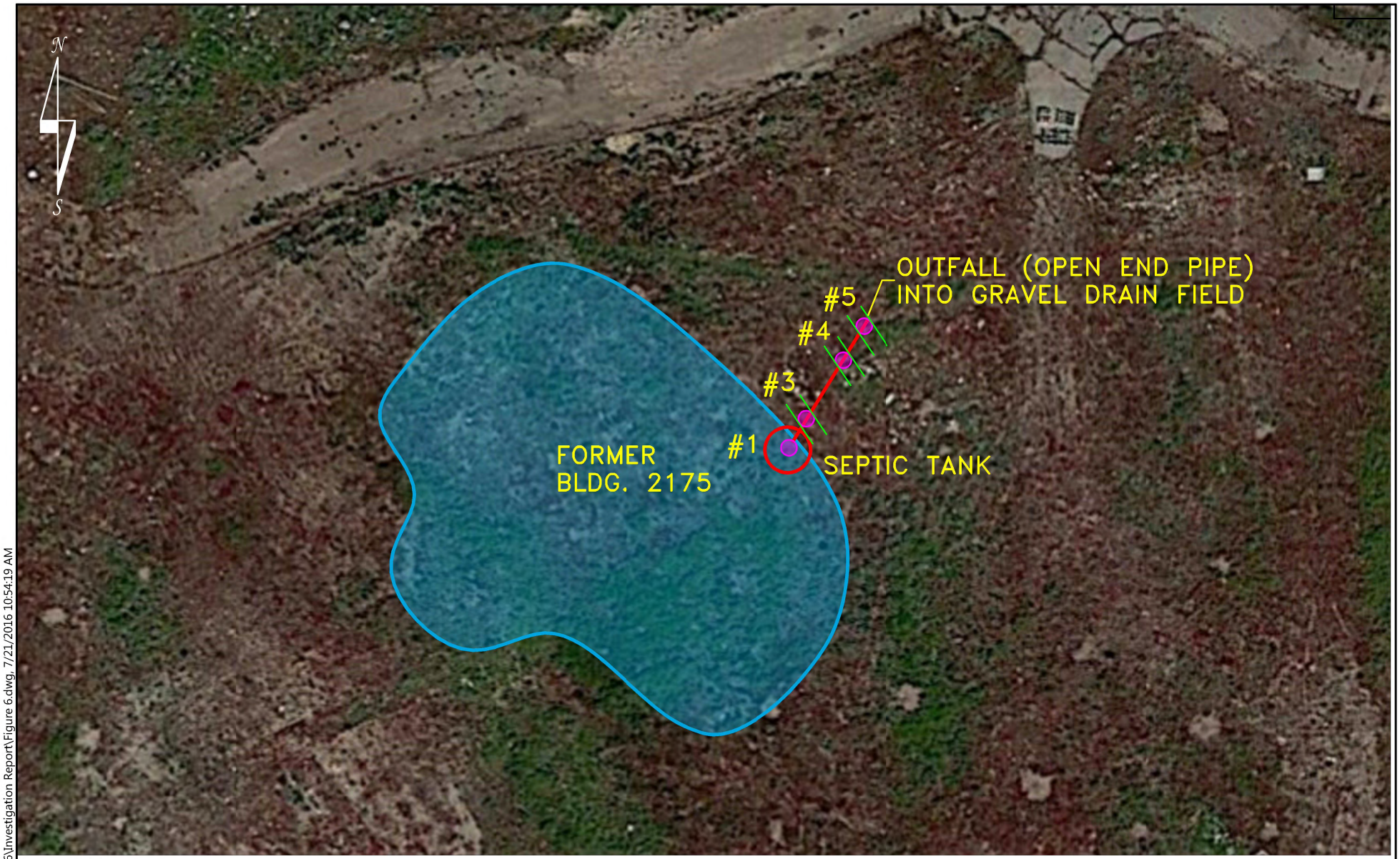

LEGEND

- SEPTIC TANK SAMPLE LOCATIONS
- PIPELINE CROSS TRENCH
- DRAIN LINE LOCATION (APPROX.)
- FORMER BUILDING FOOTPRINT

0' 40'

FIGURE 6. SS-11 SAMPLE LOCATIONS

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LEGEND

⊕ SOIL SAMPLE LOCATIONS

0' 30'

FIGURE 7. S-23 SOIL SAMPLE LOCATIONS

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LEGEND

SOIL SAMPLE LOCATION

SOIL GAS SAMPLE LOCATION

0' 60'

FIGURE 8. S-34 SAMPLE LOCATIONS

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Table 1 Background Threshold Values (BTV)		
Analyte	**BTV (UTL95-95**	**Distribution**
Arsenic	9.98	Gamma
Beryllium	1.271	Lognormal
Cadmium	0.994	Gamma ROSl
Chromium	36.9	Normal
Copper	29.3	Lognormal
Lead	17.7	Lognormal
Nickel	18.3	Normal
Silver	0.446	Approx. Normal (Nonparametric)
Zinc	66.1	Normal
Antimony	(1)	--
Mercury	0.04 (2)	Maximum Detected Value
Selenium	(1)	--
Thallium	(1)	--

(1) No reported values greater than the MDL.
(2) Seven values reported greater than the MDL (J flag), but less than the MRL.

TABLE 2 SOIL ANALYTICAL LIST		
	Soil	
	MDL	EQL
VOLATILES (8260C)	(ug/kg)	(ug/kg)
acetone	2.0	10
acrolein	5.0	10
acrylonitrile	2.0	10
allyl chloride	0.5	10
benzene	0.9	10
bromodichloromethane	0.6	10
bromoform	1.2	10
bromomethane	3.1	10
1-butanol	20	50
2-butanone	1.7	10
n-butylbenzene	1.2	10
sec-butylbenzene	0.7	10
tert-butylbenzene	0.9	10
carbon disulfide	0.7	10
carbon tetrachloride	0.6	10
chlorobenzene	0.6	10
chloroethane	1.7	10
2-chloroethylvinyl ether	2.1	10
chloroform	0.6	10
chloromethane	0.7	10
chloropropene	0.5	10
2-chlorotoluene	1.1	10
4-chlorotoluene	1.2	10
cyclohexanone	5.1	10
1,2-dibromo-3-chloropropane	2.2	10
dibromochloromethane	0.8	10
1,2-dibromoethane	1.1	10
dibromomethane	1.2	10
1,2-dichlorobenzene	0.8	10
1,3-dichlorobenzene	0.9	10
1,4-dichlorobenzene	1.0	10
trans-1,4-dichloro-2-butene	2	10
dichlorodifluoromethane	0.8	10
1,1-dichloroethane	0.7	10

TABLE 2 SOIL ANALYTICAL LIST		
	Soil	
	MDL	EQL
VOLATILES CONT. (8260C)		
1 ,2-dichloroethane	0.9	10
1, 1-dichloroethene	0.6	10
trans-1,2-dichloroethene	0.8	10
cis-1,2-dichloroethene	0.7	10
1,2-dichloropropane	0.9	10
1,3-dichloropropane	0.7	10
2,2-dichloropropane	0.8	10
1,1-dichloropropene	1.0	10
cis-1,3-dichloropropene	1.1	10
trans-1,3-dichloropropene	0.8	10
ethyl acetate	2.1	10
Ethylbenzene	0.9	10
ethyl ether	0.7	10
Ethyl methacrylate	0.9	10
1,1,2-trichloro-1,2,2-trifluoroethane	1.1	10
hexachlorobutadiene	2.0	10
2-hexanone	1.7	10
isopropyl alcohol	20	50
isopropyl benzene	0.9	10
4-isopropyltouene	1.2	10
4-methyl-2–pentanone	2.0	10
methacrylonitrile	1.8	10
methyl iodide	2.0	10
methyl methacrylate	1	10
methylene chloride	0.7	10
napthalene	1.9	10
2-nitropropane	2.1	10
propionitrile	4.0	10
n-propylbenzene	1.0	10
styrene	1.5	10
tetrachloroethene	1.3	10
toluene	1.0	10
1,1,1-trichloroethane	0.7	10
trichloroethene	0.7	10

TABLE 2 SOIL ANALYTICAL LIST		
	Soil	
	MDL	EQL
VOLATILES CONT. (8260C)		
trichlorofluoromethane	1.0	10
1,1,1,2-tetrachloroethane	0.9	10
1,1,2,2-tetrachloroethane	1.6	10
1,2,3-trichlorobenzene	1.1	10
1,2,4-trichlorobenzene	1.3	10
1,1,2-trichloroethane	0.8	10
1,2 ,3–trichloropropane	2.2	10
1,2,4-trimethylbenzene	1.2	10
1,3,5–trimethylbenzene	1.2	10
vinyl chloride	0.6	10
m-p-xylene	2.0	10
o-xylene	1.0	10
METALS (Method 6010B)	(ug/g)	(ug/g)
Antimony	2.0	10
Arsenic	0.01	0.05
Beryllium	0.05	0.25
Cadmium	0.1	0.5
Chromium	1.0	5.0
Copper	0.2	1.0
Lead	2.0	10.0
Nickel	0.5	2.5
Selenium	3.0	15.0
Silver	0.1	0.5
Thallium	1.0	5.0
Zinc	1.0	5.0
METHOD 7471A	(mg/kg)	(mg/kg)
Mercury	0.03	0.09
METHOD 7199		
Hexavalent Chromium	0.1	0.5
METHOD 8330 MODIFIED EXPLOSIVES	(mg/kg)	(mg/kg)
HMX	0.04	0.22
RDX	0.1	0.21
NG	0.06	0.2
METHOD 314.0 PERCHLORATE	(mg/kg)	(mg/kg)
Perchlorate	0.1	0.4

TABLE 3
SS-11 ANALYTICAL RESULTS

ANALYTE	TEST	LAB SAMPLE ID	Field ID	SAMPLED DATE	RESULT	UNIT	Residential RSL mg/kg	BTV mg/kg	DAF-20 mg/kg	RESULT (DRY)	DILUTION	MDL	EQL	SAMPLE MOISTURE	MDL (DRY)	EQL (DRY)	CALCULATED NUMERIC RESULT
ANTIMONY	6010B	1510021-01	#1	10/19/2015	2.4 J	ug/g	31	(1)	7	2.8 J	1	2	10	12.8	2.3	11.5	2.4
BERYLLIUM	6010B	1510021-01	#1	10/19/2015	0.54	ug/g	160	1.271	380	0.62	1	0.05	0.25	12.8	0.06	0.29	0.54
CADMIUM	6010B	1510021-01	#1	10/19/2015	U	ug/g	71	0.994	13.8	U	1	0.1	0.5	12.8	0.1	0.6	0
CHROMIUM	6010B	1510021-01	#1	10/19/2015	21.1	ug/g	120000	36.9	8E+08	24.2	1	1	5	12.8	1.2	5.7	21.1
COPPER	6010B	1510021-01	#1	10/19/2015	41.5	ug/g	3100	29.3	560	47.6	1	0.2	1	12.8	0.2	1.2	41.5
LEAD	6010B	1510021-01	#1	10/19/2015	30.6	ug/g	400	17.7		35.1	1	2	10	12.8	2.3	11.5	30.6
NICKEL	6010B	1510021-01	#1	10/19/2015	10.2	ug/g	1500	18.3	520	11.7	1	0.5	2.5	12.8	0.6	2.9	10.2
SELENIUM	6010B	1510021-01	#1	10/19/2015	U	ug/g	390	(1)	10.4	U	1	3	15	12.8	3.4	17.2	0
SILVER	6010B	1510021-01	#1	10/19/2015	U	ug/g	390	0.446	16	U	1	0.1	0.5	12.8	0.1	0.6	0
ZINC	6010B	1510021-01	#1	10/19/2015	43.4	ug/g	23000	66.1	7400	49.8	1	1	5	12.8	1.2	5.7	43.4
THALLIUM	6010B	1510021-01	#1	10/19/2015	U	ug/g	0.78	(1)	0.28	U	1	1	5	12.8	1.2	5.7	0
ARSENIC	6010B	1510021-01	#1	10/19/2015	10.3	ug/g	0.68	9.98	0.03	11.8	1	0.01	0.05	12.8	0.01	0.06	**10.3**
CHROMIUM HEXAVALENT	7199	1510021-01	#1	10/19/2015	0.00037 J	ug/kg	300	(2)	0.0134	0.42 J	0.08	0.16	0.8	12.8	0.18	0.92	0.37
MERCURY	7471A	1510021-01	#1	10/19/2015	U	mg/kg	9.4	0.04	0.66	U	1	0.03	0.09	12.8	0.03	0.1	0
MOISTURE	MOISTURE	1510021-01	#1	10/19/2015	12.8	%				12.8	1			0			12.8
ANTIMONY	6010B	1510021-02	#2 (FD)	10/19/2015	U	ug/g	31	(1)	7	U	1	2	10	12.7	2.3	11.5	0
BERYLLIUM	6010B	1510021-02	#2 (FD)	10/19/2015	0.58	ug/g	160	1.271	380	0.66	1	0.05	0.25	12.7	0.06	0.29	0.58
CADMIUM	6010B	1510021-02	#2 (FD)	10/19/2015	U	ug/g	71	0.994	13.8	U	1	0.1	0.5	12.7	0.1	0.6	0
CHROMIUM	6010B	1510021-02	#2 (FD)	10/19/2015	26.3	ug/g	120000	36.9	8E+08	30.1	1	1	5	12.7	1.2	5.7	26.3
COPPER	6010B	1510021-02	#2 (FD)	10/19/2015	43.3	ug/g	3100	29.3	560	49.6	1	0.2	1	12.7	0.2	1.2	43.3
LEAD	6010B	1510021-02	#2 (FD)	10/19/2015	34.4	ug/g	400	17.7		39.4	1	2	10	12.7	2.3	11.5	34.4
NICKEL	6010B	1510021-02	#2 (FD)	10/19/2015	10.8	ug/g	1500	18.3	520	12.4	1	0.5	2.5	12.7	0.6	2.9	10.8
SELENIUM	6010B	1510021-02	#2 (FD)	10/19/2015	U	ug/g	390	(1)	10.4	U	1	3	15	12.7	3.4	17.2	0
SILVER	6010B	1510021-02	#2 (FD)	10/19/2015	0.3 J	ug/g	390	0.446	16	0.3 J	1	0.1	0.5	12.7	0.1	0.6	0.3
ZINC	6010B	1510021-02	#2 (FD)	10/19/2015	45.7	ug/g	23000	66.1	7400	52.3	1	1	5	12.7	1.2	5.7	45.7
THALLIUM	6010B	1510021-02	#2 (FD)	10/19/2015	U	ug/g	0.78	(1)	0.28	U	1	1	5	12.7	1.2	5.7	0
ARSENIC	6010B	1510021-02	#2 (FD)	10/19/2015	10.2	ug/g	0.68	9.98	0.03	11.7	1	0.01	0.05	12.7	0.01	0.06	**10.2**
CHROMIUM HEXAVALENT	7199	1510021-02	#2 (FD)	10/19/2015	0.00034 J	ug/kg	300	(2)	0.0134	0.39 J	0.08	0.16	0.8	12.7	0.18	0.92	0.34
MERCURY	7471A	1510021-02	#2 (FD)	10/19/2015	0.07 J	mg/kg	9.4	0.04	0.66	0.08 J	1	0.03	0.09	12.7	0.03	0.1	0.07
MOISTURE	MOISTURE	1510021-02	#2 (FD)	10/19/2015	12.7	%				12.7	1			0			12.7
ANTIMONY	6010B	1510021-03	#3	10/19/2015	2.3 J	ug/g	31	(1)	7	2.4 J	1	2	10	3.9	2.1	10.4	2.3
BERYLLIUM	6010B	1510021-03	#3	10/19/2015	0.57	ug/g	160	1.271	380	0.59	1	0.05	0.25	3.9	0.05	0.26	0.57
CADMIUM	6010B	1510021-03	#3	10/19/2015	U	ug/g	71	0.994	13.8	U	1	0.1	0.5	3.9	0.1	0.5	0
CHROMIUM	6010B	1510021-03	#3	10/19/2015	24.9	ug/g	120000	36.9	8E+08	25.9	1	1	5	3.9	1	5.2	24.9
COPPER	6010B	1510021-03	#3	10/19/2015	37.2	ug/g	3100	29.3	560	38.7	1	0.2	1	3.9	0.2	1	37.2
LEAD	6010B	1510021-03	#3	10/19/2015	26.4	ug/g	400	17.7		27.5	1	2	10	3.9	2.1	10.4	26.4
NICKEL	6010B	1510021-03	#3	10/19/2015	12.1	ug/g	1500	18.3	520	12.6	1	0.5	2.5	3.9	0.5	2.6	12.1
SELENIUM	6010B	1510021-03	#3	10/19/2015	U	ug/g	390	(1)	10.4	U	1	3	15	3.9	3.1	15.6	0
SILVER	6010B	1510021-03	#3	10/19/2015	8.1	ug/g	390	0.446	16	8.4	1	0.1	0.5	3.9	0.1	0.5	8.1
ZINC	6010B	1510021-03	#3	10/19/2015	51.7	ug/g	23000	66.1	7400	53.8	1	1	5	3.9	1	5.2	51.7
THALLIUM	6010B	1510021-03	#3	10/19/2015	U	ug/g	0.78	(1)	0.28	U	1	1	5	3.9	1	5.2	0
ARSENIC	6010B	1510021-03	#3	10/19/2015	8.27	ug/g	0.68	9.98	0.03	8.61	1	0.01	0.05	3.9	0.01	0.05	8.27
CHROMIUM HEXAVALENT	7199	1510021-03	#3	10/19/2015	0.00073 J	ug/kg	300	(2)	0.0134	0.76 J	0.08	0.16	0.8	3.9	0.17	0.83	0.73
MERCURY	7471A	1510021-03	#3	10/19/2015	U	mg/kg	9.4	0.04	0.66	U	1	0.03	0.09	3.9	0.03	0.09	0
MOISTURE	MOISTURE	1510021-03	#3	10/19/2015	3.9	%				3.9	1			0			3.9
ANTIMONY	6010B	1510021-04	#4	10/19/2015	3.6 J	ug/g	31	(1)	7	3.8 J	1	2	10	4.4	2.1	10.5	3.6
BERYLLIUM	6010B	1510021-04	#4	10/19/2015	0.55	ug/g	160	1.271	380	0.58	1	0.05	0.25	4.4	0.05	0.26	0.55

TABLE 3
SS-11 ANALYTICAL RESULTS

ANALYTE	TEST	LAB SAMPLE ID	Field ID	SAMPLED DATE	RESULT	UNIT	Residential RSL mg/kg	BTV mg/kg	DAF-20 mg/kg	RESULT (DRY)	DILUTION	MDL	EQL	SAMPLE MOISTURE	MDL (DRY)	EQL (DRY)	CALCULATED NUMERIC RESULT
CADMIUM	6010B	1510021-04	#4	10/19/2015	U	ug/g	71	0.994	13.8	U	1	0.1	0.5	4.4	0.1	0.5	0
CHROMIUM	6010B	1510021-04	#4	10/19/2015	23.1	ug/g	120000	36.9	8E+08	24.2	1	1	5	4.4	1.1	5.2	23.1
COPPER	6010B	1510021-04	#4	10/19/2015	30.3	ug/g	3100	29.3	560	31.7	1	0.2	1	4.4	0.2	1.1	30.3
LEAD	6010B	1510021-04	#4	10/19/2015	25.4	ug/g	400	17.7		26.6	1	2	10	4.4	2.1	10.5	25.4
NICKEL	6010B	1510021-04	#4	10/19/2015	11.3	ug/g	1500	18.3	520	11.8	1	0.5	2.5	4.4	0.5	2.6	11.3
SELENIUM	6010B	1510021-04	#4	10/19/2015	U	ug/g	390	(1)	10.4	U	1	3	15	4.4	3.1	15.7	0
SILVER	6010B	1510021-04	#4	10/19/2015	3.8	ug/g	390	0.446	16	4	1	0.1	0.5	4.4	0.1	0.5	3.8
ZINC	6010B	1510021-04	#4	10/19/2015	68.2	ug/g	23000	66.1	7400	71.3	1	1	5	4.4	1.1	5.2	68.2
THALLIUM	6010B	1510021-04	#4	10/19/2015	U	ug/g	0.78	(1)	0.28	U	1	1	5	4.4	1.1	5.2	0
ARSENIC	6010B	1510021-04	#4	10/19/2015	6.41	ug/g	0.68	9.98	0.03	6.71	1	0.01	0.05	4.4	0.01	0.05	6.41
CHROMIUM HEXAVALENT	7199	1510021-04	#4	10/19/2015	0.00043 J	ug/kg	300	(2)	0.0134	0.45 J	0.08	0.16	0.8	4.4	0.17	0.84	0.43
MERCURY	7471A	1510021-04	#4	10/19/2015	0.07 J	mg/kg	9.4	0.04	0.66	0.07 J	1	0.03	0.09	4.4	0.03	0.09	0.07
MOISTURE	MOISTURE	1510021-04	#4	10/19/2015	4.4	%				4.4	1			0			4.4
ANTIMONY	6010B	1510021-05	#5	10/19/2015	2.3 J	ug/g	31	(1)	7	2.4 J	1	2	10	5.1	2.1	10.5	2.3
BERYLLIUM	6010B	1510021-05	#5	10/19/2015	0.65	ug/g	160	1.271	380	0.69	1	0.05	0.25	5.1	0.05	0.26	0.65
CADMIUM	6010B	1510021-05	#5	10/19/2015	U	ug/g	71	0.994	13.8	U	1	0.1	0.5	5.1	0.1	0.5	0
CHROMIUM	6010B	1510021-05	#5	10/19/2015	26.5	ug/g	120000	36.9	8E+08	27.9	1	1	5	5.1	1.1	5.3	26.5
COPPER	6010B	1510021-05	#5	10/19/2015	16.6	ug/g	3100	29.3	560	17.5	1	0.2	1	5.1	0.2	1.1	16.6
LEAD	6010B	1510021-05	#5	10/19/2015	10.1	ug/g	400	17.7		10.6	1	2	10	5.1	2.1	10.5	10.1
NICKEL	6010B	1510021-05	#5	10/19/2015	12	ug/g	1500	18.3	520	12.6	1	0.5	2.5	5.1	0.5	2.6	12
SELENIUM	6010B	1510021-05	#5	10/19/2015	U	ug/g	390	(1)	10.4	U	1	3	15	5.1	3.2	15.8	0
SILVER	6010B	1510021-05	#5	10/19/2015	7.8	ug/g	390	0.446	16	8.2	1	0.1	0.5	5.1	0.1	0.5	7.8
ZINC	6010B	1510021-05	#5	10/19/2015	52.4	ug/g	23000	66.1	7400	55.2	1	1	5	5.1	1.1	5.3	52.4
THALLIUM	6010B	1510021-05	#5	10/19/2015	U	ug/g	0.78	(1)	0.28	U	1	1	5	5.1	1.1	5.3	0
ARSENIC	6010B	1510021-05	#5	10/19/2015	5.08	ug/g	0.68	9.98	0.03	5.35	1	0.01	0.05	5.1	0.01	0.05	5.08
CHROMIUM HEXAVALENT	7199	1510021-05	#5	10/19/2015	0.00041 J	ug/kg	300	(2)	0.0134	0.43 J	0.08	0.16	0.8	5.1	0.17	0.84	0.41
MERCURY	7471A	1510021-05	#5	10/19/2015	0.07 J	mg/kg	9.4	0.04	0.66	0.07 J	1	0.03	0.09	5.1	0.03	0.09	0.07
MOISTURE	MOISTURE	1510021-05	#5	10/19/2015	5.1	%				5.1	1			0			5.1

(1) No reported values greater than the MDL.

(2) Hexavalent Chromium not evaluated in background study.

TABLE 4
S-23 METALS ANALYTICAL RESULTS

ANALYTE	METHOD	FIELD ID	MATRIX	RESULT	RESULT (Dry)	UNITS	Residential RSL	BTV (UTL95-95)	DAF-20 mg/kg	DATE SAMPLED	MDL (Dry)	EQL (Dry)
ANTIMONY	6010B (Solids)	1S15228D - 1-0-6"	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.4
ARSENIC	6010B (Solids)	1S15228D - 1-0-6"	Soil	3.09	3.22	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15228D - 1-0-6"	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.26
CADMIUM	6010B (Solids)	1S15228D - 1-0-6"	Soil	4.6	4.8	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15228D - 1-0-6"	Soil	51.7	53.8	ug/g	120000	36.9	800000000	7-Oct-15	1	5.2
COPPER	6010B (Solids)	1S15228D - 1-0-6"	Soil	124	129	ug/g	3100	29.3	560	7-Oct-15	0.2	1
LEAD	6010B (Solids)	1S15228D - 1-0-6"	Soil	9290	**9670**	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.4
MERCURY	7471A	1S15228D - 1-0-6"	Soil	0.15	0.16	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.09
NICKEL	6010B (Solids)	1S15228D - 1-0-6"	Soil	13.3	13.8	ug/g	1500	18.3	520	7-Oct-15	0.5	2.6
SELENIUM	6010B (Solids)	1S15228D - 1-0-6"	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.1	15.6
SILVER	6010B (Solids)	1S15228D - 1-0-6"	Soil	3.8	4	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15228D - 1-0-6"	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1	5.2
ZINC	6010B (Solids)	1S15228D - 1-0-6"	Soil	392	408	ug/g	23000	66.1	7400	7-Oct-15	1	5.2
ANTIMONY	6010B (Solids)	1S15228B - 1-2'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.4
ARSENIC	6010B (Solids)	1S15228B - 1-2'	Soil	1.86	1.93	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15228B - 1-2'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.26
CADMIUM	6010B (Solids)	1S15228B - 1-2'	Soil	3.1	3.2	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15228B - 1-2'	Soil	28	29.1	ug/g	120000	36.9	800000000	7-Oct-15	1	5.2
COPPER	6010B (Solids)	1S15228B - 1-2'	Soil	20.3	21.1	ug/g	3100	29.3	560	7-Oct-15	0.2	1
LEAD	6010B (Solids)	1S15228B - 1-2'	Soil	29.9	31	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.4
MERCURY	7471A	1S15228B - 1-2'	Soil	0.03 J	0.03 J	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.09
NICKEL	6010B (Solids)	1S15228B - 1-2'	Soil	9	9.4	ug/g	1500	18.3	520	7-Oct-15	0.5	2.6
SELENIUM	6010B (Solids)	1S15228B - 1-2'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.1	15.6
SILVER	6010B (Solids)	1S15228B - 1-2'	Soil	3.2	3.3	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15228B - 1-2'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1	5.2
ZINC	6010B (Solids)	1S15228B - 1-2'	Soil	50.2	52.1	ug/g	23000	66.1	7400	7-Oct-15	1	5.2
ANTIMONY	6010B (Solids)	1S15228C - 1-4'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.7
ARSENIC	6010B (Solids)	1S15228C - 1-4'	Soil	0.6	0.64	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15228C - 1-4'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15228C - 1-4'	Soil	2.8	3	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15228C - 1-4'	Soil	18.9	20.2	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.4
COPPER	6010B (Solids)	1S15228C - 1-4'	Soil	19	20.3	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15228C - 1-4'	Soil	23.4	25.1	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.7
MERCURY	7471A	1S15228C - 1-4'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15228C - 1-4'	Soil	8.9	9.5	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15228C - 1-4'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	16.1
SILVER	6010B (Solids)	1S15228C - 1-4'	Soil	0.7	0.7	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15228C - 1-4'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.4
ZINC	6010B (Solids)	1S15228C - 1-4'	Soil	26.7	28.6	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.4
ANTIMONY	6010B (Solids)	1S15228A - 1-8'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.2	10.8

TABLE 4
S-23 METALS ANALYTICAL RESULTS

ANALYTE	METHOD	FIELD ID	MATRIX	RESULT	RESULT (Dry)	UNITS	Residential RSL	BTV (UTL95-95)	DAF-20 mg/kg	DATE SAMPLED	MDL (Dry)	EQL (Dry)
ARSENIC	6010B (Solids)	1S15228A - 1-8'	Soil	0.68	0.74	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15228A - 1-8'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15228A - 1-8'	Soil	3.8	4.1	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15228A - 1-8'	Soil	15.8	17.1	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.4
COPPER	6010B (Solids)	1S15228A - 1-8'	Soil	29	31.4	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15228A - 1-8'	Soil	14.2	15.4	ug/g	400	17.7	(2)	7-Oct-15	2.3	11.5
MERCURY	7471A	1S15228A - 1-8'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15228A - 1-8'	Soil	9.3	10.1	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15228A - 1-8'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	16.2
SILVER	6010B (Solids)	1S15228A - 1-8'	Soil	5	5.4	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15228A - 1-8'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.4
ZINC	6010B (Solids)	1S15228A - 1-8'	Soil	35	37.8	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.4
ANTIMONY	6010B (Solids)	1S15229A - 2-0-6"	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.3	11.5
ARSENIC	6010B (Solids)	1S15229A - 2-0-6"	Soil	1.95	2.25	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.06
BERYLLIUM	6010B (Solids)	1S15229A - 2-0-6"	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.06	0.29
CADMIUM	6010B (Solids)	1S15229A - 2-0-6"	Soil	3.2	3.7	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.6
CHROMIUM	6010B (Solids)	1S15229A - 2-0-6"	Soil	27.4	31.6	ug/g	120000	36.9	800000000	7-Oct-15	1.2	5.8
COPPER	6010B (Solids)	1S15229A - 2-0-6"	Soil	91.2	105	ug/g	3100	29.3	560	7-Oct-15	0.2	1.2
LEAD	6010B (Solids)	1S15229A - 2-0-6"	Soil	395	**456**	ug/g	400	17.7	(2)	7-Oct-15	2.3	11.5
MERCURY	7471A	1S15229A - 2-0-6"	Soil	0.07 J	0.08 J	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15229A - 2-0-6"	Soil	16.6	19.1	ug/g	1500	18.3	520	7-Oct-15	0.6	2.9
SELENIUM	6010B (Solids)	1S15229A - 2-0-6"	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.5	17.3
SILVER	6010B (Solids)	1S15229A - 2-0-6"	Soil	2.1	2.4	ug/g	390	0.446	16	7-Oct-15	0.1	0.6
THALLIUM	6010B (Solids)	1S15229A - 2-0-6"	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.2	5.8
ZINC	6010B (Solids)	1S15229A - 2-0-6"	Soil	133	153	ug/g	23000	66.1	7400	7-Oct-15	1.2	5.8
ANTIMONY	6010B (Solids)	1S15229B - 2-2'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.5
ARSENIC	6010B (Solids)	1S15229B - 2-2'	Soil	0.7	0.74	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15229B - 2-2'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.26
CADMIUM	6010B (Solids)	1S15229B - 2-2'	Soil	1.9	2	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15229B - 2-2'	Soil	21	22.1	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.3
COPPER	6010B (Solids)	1S15229B - 2-2'	Soil	12.6	13.2	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15229B - 2-2'	Soil	13.4	14.1	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.5
MERCURY	7471A	1S15229B - 2-2'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.09
NICKEL	6010B (Solids)	1S15229B - 2-2'	Soil	8.7	9.1	ug/g	1500	18.3	520	7-Oct-15	0.5	2.6
SELENIUM	6010B (Solids)	1S15229B - 2-2'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	15.8
SILVER	6010B (Solids)	1S15229B - 2-2'	Soil	1.1	1.2	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15229B - 2-2'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.3
ZINC	6010B (Solids)	1S15229B - 2-2'	Soil	26.4	27.7	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.3
ANTIMONY	6010B (Solids)	1S15229C - 2-4'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.6
ARSENIC	6010B (Solids)	1S15229C - 2-4'	Soil	0.6	0.64	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05

TABLE 4
S-23 METALS ANALYTICAL RESULTS

ANALYTE	METHOD	FIELD ID	MATRIX	RESULT	RESULT (Dry)	UNITS	Residential RSL	BTV (UTL95-95)	DAF-20 mg/kg	DATE SAMPLED	MDL (Dry)	EQL (Dry)
BERYLLIUM	6010B (Solids)	1S15229C - 2-4'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15229C - 2-4'	Soil	1.8	1.9	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15229C - 2-4'	Soil	18.3	19.4	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.3
COPPER	6010B (Solids)	1S15229C - 2-4'	Soil	27.4	29	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15229C - 2-4'	Soil	32.6	34.5	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.6
MERCURY	7471A	1S15229C - 2-4'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15229C - 2-4'	Soil	9.1	9.6	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15229C - 2-4'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	15.9
SILVER	6010B (Solids)	1S15229C - 2-4'	Soil	0.2 J	0.2 J	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15229C - 2-4'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.3
ZINC	6010B (Solids)	1S15229C - 2-4'	Soil	32.8	34.7	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.3
ANTIMONY	6010B (Solids)	1S15229D - 2-8'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.5	12.4
ARSENIC	6010B (Solids)	1S15229D - 2-8'	Soil	0.43	0.53	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.06
BERYLLIUM	6010B (Solids)	1S15229D - 2-8'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.06	0.31
CADMIUM	6010B (Solids)	1S15229D - 2-8'	Soil	1.3	1.6	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.6
CHROMIUM	6010B (Solids)	1S15229D - 2-8'	Soil	26.8	33.2	ug/g	120000	36.9	800000000	7-Oct-15	1.2	6.2
COPPER	6010B (Solids)	1S15229D - 2-8'	Soil	31.5	39	ug/g	3100	29.3	560	7-Oct-15	0.2	1.2
LEAD	6010B (Solids)	1S15229D - 2-8'	Soil	9.7 J	12. J	ug/g	400	17.7	(2)	7-Oct-15	2.5	12.4
MERCURY	7471A	1S15229D - 2-8'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.04	0.11
NICKEL	6010B (Solids)	1S15229D - 2-8'	Soil	15.1	18.7	ug/g	1500	18.3	520	7-Oct-15	0.6	3.1
SELENIUM	6010B (Solids)	1S15229D - 2-8'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.7	18.6
SILVER	6010B (Solids)	1S15229D - 2-8'	Soil	0.8	1	ug/g	390	0.446	16	7-Oct-15	0.1	0.6
THALLIUM	6010B (Solids)	1S15229D - 2-8'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.2	6.2
ZINC	6010B (Solids)	1S15229D - 2-8'	Soil	47.7	59.1	ug/g	23000	66.1	7400	7-Oct-15	1.2	6.2
ANTIMONY	6010B (Solids)	1S15230A - 3-0-6"	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.3	11.4
ARSENIC	6010B (Solids)	1S15230A - 3-0-6"	Soil	2.34	2.67	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.06
BERYLLIUM	6010B (Solids)	1S15230A - 3-0-6"	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.06	0.29
CADMIUM	6010B (Solids)	1S15230A - 3-0-6"	Soil	3.1	3.5	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.6
CHROMIUM	6010B (Solids)	1S15230A - 3-0-6"	Soil	35.2	40.2	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.7
COPPER	6010B (Solids)	1S15230A - 3-0-6"	Soil	122	139	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15230A - 3-0-6"	Soil	864	**986**	ug/g	400	17.7	(2)	7-Oct-15	2.3	11.4
MERCURY	SW-846, 7471A	1S15230A - 3-0-6"	Soil	0.07 J	0.08 J	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15230A - 3-0-6"	Soil	19.4	22.1	ug/g	1500	18.3	520	7-Oct-15	0.6	2.9
SELENIUM	6010B (Solids)	1S15230A - 3-0-6"	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.4	17.1
SILVER	6010B (Solids)	1S15230A - 3-0-6"	Soil	3	3.4	ug/g	390	0.446	16	7-Oct-15	0.1	0.6
THALLIUM	6010B (Solids)	1S15230A - 3-0-6"	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.7
ZINC	6010B (Solids)	1S15230A - 3-0-6"	Soil	160	183	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.7
ANTIMONY	6010B (Solids)	1S15230B - 3-2'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.2	10.8
ARSENIC	6010B (Solids)	1S15230B - 3-2'	Soil	0.61	0.66	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15230B - 3-2'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27

TABLE 4
S-23 METALS ANALYTICAL RESULTS

ANALYTE	METHOD	FIELD ID	MATRIX	RESULT	RESULT (Dry)	UNITS	Residential RSL	BTV (UTL95-95)	DAF-20 mg/kg	DATE SAMPLED	MDL (Dry)	EQL (Dry)
CADMIUM	6010B (Solids)	1S15230B - 3-2'	Soil	1.1	1.2	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15230B - 3-2'	Soil	17.5	18.9	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.4
COPPER	6010B (Solids)	1S15230B - 3-2'	Soil	16.6	17.9	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15230B - 3-2'	Soil	U	U	ug/g	400	17.7	(2)	7-Oct-15	2.2	10.8
MERCURY	7471A	1S15230B - 3-2'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15230B - 3-2'	Soil	10.1	10.9	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15230B - 3-2'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	16.2
SILVER	6010B (Solids)	1S15230B - 3-2'	Soil	1.2	1.3	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15230B - 3-2'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.4
ZINC	6010B (Solids)	1S15230B - 3-2'	Soil	27.1	29.3	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.4
ANTIMONY	6010B (Solids)	1S15230C - 3-4'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.3
ARSENIC	6010B (Solids)	1S15230C - 3-4'	Soil	0.58	0.6	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15230C - 3-4'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.26
CADMIUM	6010B (Solids)	1S15230C - 3-4'	Soil	1.4	1.5	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15230C - 3-4'	Soil	25.2	26.1	ug/g	120000	36.9	800000000	7-Oct-15	1	5.2
COPPER	6010B (Solids)	1S15230C - 3-4'	Soil	13.2	13.7	ug/g	3100	29.3	560	7-Oct-15	0.2	1
LEAD	6010B (Solids)	1S15230C - 3-4'	Soil	10.2	10.5	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.3
MERCURY	7471A	1S15230C - 3-4'	Soil	0.03 J	0.03 J	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.09
NICKEL	6010B (Solids)	1S15230C - 3-4'	Soil	10.4	10.8	ug/g	1500	18.3	520	7-Oct-15	0.5	2.6
SELENIUM	6010B (Solids)	1S15230C - 3-4'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.1	15.5
SILVER	6010B (Solids)	1S15230C - 3-4'	Soil	1	1	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15230C - 3-4'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1	5.2
ZINC	6010B (Solids)	1S15230C - 3-4'	Soil	29	30	ug/g	23000	66.1	7400	7-Oct-15	1	5.2
ANTIMONY	6010B (Solids)	1S15230D - 3-8'	Soil	6.8 J	7.3 J	ug/g	31	1	7	7-Oct-15	2.2	10.8
ARSENIC	6010B (Solids)	1S15230D - 3-8'	Soil	1.23	1.32	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15230D - 3-8'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15230D - 3-8'	Soil	1.4	1.5	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15230D - 3-8'	Soil	16.3	17.5	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.4
COPPER	6010B (Solids)	1S15230D - 3-8'	Soil	25.2	27.1	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15230D - 3-8'	Soil	19.1	20.5	ug/g	400	17.7	(2)	7-Oct-15	2.2	10.8
MERCURY	7471A	1S15230D - 3-8'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15230D - 3-8'	Soil	9.3	10	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15230D - 3-8'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	16.1
SILVER	6010B (Solids)	1S15230D - 3-8'	Soil	0.9	1	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15230D - 3-8'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.4
ZINC	6010B (Solids)	1S15230D - 3-8'	Soil	36.1	38.8	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.4
ANTIMONY	6010B (Solids)	1S15231A - 4-0-6"	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.2	10.8
ARSENIC	6010B (Solids)	1S15231A - 4-0-6"	Soil	1.41	1.52	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15231A - 4-0-6"	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15231A - 4-0-6"	Soil	2.3	2.5	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5

TABLE 4
S-23 METALS ANALYTICAL RESULTS

ANALYTE	METHOD	FIELD ID	MATRIX	RESULT	RESULT (Dry)	UNITS	Residential RSL	BTV (UTL95-95)	DAF-20 mg/kg	DATE SAMPLED	MDL (Dry)	EQL (Dry)
CHROMIUM	6010B (Solids)	1S15231A - 4-0-6"	Soil	29.2	31.4	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.4
COPPER	6010B (Solids)	1S15231A - 4-0-6"	Soil	92.4	99.5	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15231A - 4-0-6"	Soil	432	**465**	ug/g	400	17.7	(2)	7-Oct-15	2.2	10.8
MERCURY	7471A	1S15231A - 4-0-6"	Soil	0.08 J	0.09 J	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15231A - 4-0-6"	Soil	15.8	17	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15231A - 4-0-6"	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	16.1
SILVER	6010B (Solids)	1S15231A - 4-0-6"	Soil	0.8	0.9	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15231A - 4-0-6"	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.4
ZINC	6010B (Solids)	1S15231A - 4-0-6"	Soil	100	108	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.4
ANTIMONY	6010B (Solids)	1S15231B - 4-2'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.3
ARSENIC	6010B (Solids)	1S15231B - 4-2'	Soil	0.83	0.86	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15231B - 4-2'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.26
CADMIUM	6010B (Solids)	1S15231B - 4-2'	Soil	0.9	0.9	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15231B - 4-2'	Soil	21.4	22.1	ug/g	120000	36.9	800000000	7-Oct-15	1	5.2
COPPER	6010B (Solids)	1S15231B - 4-2'	Soil	9.4	9.7	ug/g	3100	29.3	560	7-Oct-15	0.2	1
LEAD	6010B (Solids)	1S15231B - 4-2'	Soil	7.7 J	8. J	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.3
MERCURY	7471A	1S15231B - 4-2'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.09
NICKEL	6010B (Solids)	1S15231B - 4-2'	Soil	8.7	9	ug/g	1500	18.3	520	7-Oct-15	0.5	2.6
SELENIUM	6010B (Solids)	1S15231B - 4-2'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.1	15.5
SILVER	6010B (Solids)	1S15231B - 4-2'	Soil	U	U	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15231B - 4-2'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1	5.2
ZINC	6010B (Solids)	1S15231B - 4-2'	Soil	24.6	25.4	ug/g	23000	66.1	7400	7-Oct-15	1	5.2
ANTIMONY	6010B (Solids)	1S15231C - 4-4'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.6
ARSENIC	6010B (Solids)	1S15231C - 4-4'	Soil	0.75	0.8	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15231C - 4-4'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15231C - 4-4'	Soil	1	1.1	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15231C - 4-4'	Soil	16.3	17.3	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.3
COPPER	6010B (Solids)	1S15231C - 4-4'	Soil	16.9	17.9	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15231C - 4-4'	Soil	15.4	16.3	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.6
MERCURY	7471A	1S15231C - 4-4'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15231C - 4-4'	Soil	9.2	9.8	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15231C - 4-4'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	15.9
SILVER	6010B (Solids)	1S15231C - 4-4'	Soil	U	U	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15231C - 4-4'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.3
ZINC	6010B (Solids)	1S15231C - 4-4'	Soil	29.6	31.4	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.3
ANTIMONY	6010B (Solids)	1S15231D - 4-8'	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.1	10.6
ARSENIC	6010B (Solids)	1S15231D - 4-8'	Soil	0.75	0.8	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.05
BERYLLIUM	6010B (Solids)	1S15231D - 4-8'	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.05	0.27
CADMIUM	6010B (Solids)	1S15231D - 4-8'	Soil	0.9	1	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.5
CHROMIUM	6010B (Solids)	1S15231D - 4-8'	Soil	10.4	11.1	ug/g	120000	36.9	800000000	7-Oct-15	1.1	5.3

TABLE 4
S-23 METALS ANALYTICAL RESULTS

ANALYTE	METHOD	FIELD ID	MATRIX	RESULT	RESULT (Dry)	UNITS	Residential RSL	BTV (UTL95-95)	DAF-20 mg/kg	DATE SAMPLED	MDL (Dry)	EQL (Dry)
COPPER	6010B (Solids)	1S15231D - 4-8'	Soil	15.7	16.7	ug/g	3100	29.3	560	7-Oct-15	0.2	1.1
LEAD	6010B (Solids)	1S15231D - 4-8'	Soil	7.7 J	8.2 J	ug/g	400	17.7	(2)	7-Oct-15	2.1	10.6
MERCURY	7471A	1S15231D - 4-8'	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	6010B (Solids)	1S15231D - 4-8'	Soil	7	7.5	ug/g	1500	18.3	520	7-Oct-15	0.5	2.7
SELENIUM	6010B (Solids)	1S15231D - 4-8'	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.2	16
SILVER	6010B (Solids)	1S15231D - 4-8'	Soil	U	U	ug/g	390	0.446	16	7-Oct-15	0.1	0.5
THALLIUM	6010B (Solids)	1S15231D - 4-8'	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.1	5.3
ZINC	6010B (Solids)	1S15231D - 4-8'	Soil	25.7	27.3	ug/g	23000	66.1	7400	7-Oct-15	1.1	5.3
ANTIMONY	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.4	12
ARSENIC	SW-846, 6020A (Solids)	1S15229E - FD-1	Soil	0.37	0.45	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.06
BERYLLIUM	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.06	0.3
CADMIUM	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	1.4	1.7	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.6
CHROMIUM	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	36	43.3	ug/g	120000	36.9	800000000	7-Oct-15	1.2	6
COPPER	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	30.6	36.8	ug/g	3100	29.3	560	7-Oct-15	0.2	1.2
LEAD	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	10.3	12.4	ug/g	400	17.7	(2)	7-Oct-15	2.4	12
MERCURY	SW-846, 7471A	1S15229E - FD-1	Soil	U	U	mg/kg	9.4	0.04	0.66	7-Oct-15	0.04	0.11
NICKEL	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	16	19.3	ug/g	1500	18.3	520	7-Oct-15	0.6	3
SELENIUM	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.6	18.1
SILVER	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	U	U	ug/g	390	0.446	16	7-Oct-15	0.1	0.6
THALLIUM	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.2	6
ZINC	SW-846, 6010B (Solids)	1S15229E - FD-1	Soil	51.8	62.3	ug/g	23000	66.1	7400	7-Oct-15	1.2	6
ANTIMONY	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	U	U	ug/g	31	1	7	7-Oct-15	2.3	11.5
ARSENIC	SW-846, 6020A (Solids)	1S15230E - FD-2	Soil	2.4	2.76	ug/g	0.68	9.98	0.03	7-Oct-15	0.01	0.06
BERYLLIUM	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	U	U	ug/g	160	1.271	380	7-Oct-15	0.06	0.29
CADMIUM	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	2.6	3	ug/g	71	0.994	13.8	7-Oct-15	0.1	0.6
CHROMIUM	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	30.4	34.9	ug/g	120000	36.9	800000000	7-Oct-15	1.2	5.8
COPPER	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	120	138	ug/g	3100	29.3	560	7-Oct-15	0.2	1.2
LEAD	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	886	1020	ug/g	400	17.7	(2)	7-Oct-15	2.3	11.5
MERCURY	SW-846, 7471A	1S15230E - FD-2	Soil	0.16	0.18	mg/kg	9.4	0.04	0.66	7-Oct-15	0.03	0.1
NICKEL	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	18.3	21	ug/g	1500	18.3	520	7-Oct-15	0.6	2.9
SELENIUM	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	U	U	ug/g	390	(1)	10.4	7-Oct-15	3.5	17.2
SILVER	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	0.9	1	ug/g	390	0.446	16	7-Oct-15	0.1	0.6
THALLIUM	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	U	U	ug/g	0.78	(1)	0.28	7-Oct-15	1.2	5.8
ZINC	SW-846, 6010B (Solids)	1S15230E - FD-2	Soil	149	171	ug/g	23000	66.1	7400	7-Oct-15	1.2	5.8

(1) No reported values greater than the MDL.

(2) No SSL value for groundwater protection in RSLs

TABLE 5
S-23 ENERGETICS ANALYTICAL RESULTS

ANALYTE	METHOD	LAB_SAMPLE_ID	FIELD_SAMPLE_ID	MATRIX	RESULT	RESULT (Dry)	UNITS	BATCH_ID	DATE SAMPLED	ANALYSIS DATE	MDL	MDL (Dry)	EQL	EQL (Dry)	DILUTION
HMX	8330A Mod	1510014-01A1	1S15228A - 1-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.22	1
HMX	8330A Mod	1510014-02A1	1S15228B - 1-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-03A1	1S15228C - 1-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-04A1	1S15228D - 1-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-05A1	1S15229A - 2-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.05	0.2	0.23	1
HMX	8330A Mod	1510014-06A1	1S15229B - 2-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-07A1	1S15229C - 2-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-08A1	1S15229D - 2-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.05	0.2	0.25	1
HMX	8330A Mod	1510014-10A1	1S15230A - 3-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.05	0.2	0.23	1
HMX	8330A Mod	1510014-11A1	1S15230B - 3-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.22	1
HMX	8330A Mod	1510014-12A1	1S15230C - 3-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-13A1	1S15230D - 3-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.22	1
HMX	8330A Mod	1510014-15A1	1S15231A - 4-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.22	1
HMX	8330A Mod	1510014-16A1	1S15231B - 4-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-17A1	1S15231C - 4-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
HMX	8330A Mod	1510014-18A1	1S15231D - 4-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.04	0.04	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-01A1	1S15228A - 1-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.22	1
NITROGLYCERIN	8330A Mod	1510014-02A1	1S15228B - 1-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-03A1	1S15228C - 1-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-04A1	1S15228D - 1-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-05A1	1S15229A - 2-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.07	0.2	0.23	1
NITROGLYCERIN	8330A Mod	1510014-06A1	1S15229B - 2-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-07A1	1S15229C - 2-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-08A1	1S15229D - 2-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.07	0.2	0.25	1
NITROGLYCERIN	8330A Mod	1510014-10A1	1S15230A - 3-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.07	0.2	0.23	1
NITROGLYCERIN	8330A Mod	1510014-11A1	1S15230B - 3-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.22	1
NITROGLYCERIN	8330A Mod	1510014-12A1	1S15230C - 3-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-13A1	1S15230D - 3-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.22	1
NITROGLYCERIN	8330A Mod	1510014-15A1	1S15231A - 4-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.22	1
NITROGLYCERIN	8330A Mod	1510014-16A1	1S15231B - 4-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-17A1	1S15231C - 4-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
NITROGLYCERIN	8330A Mod	1510014-18A1	1S15231D - 4-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.06	0.06	0.2	0.21	1
PERCHLORATE	EPA 314.0	1510014-01A1	1S15228A - 1-0-6'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.43	10
PERCHLORATE	EPA 314.0	1510014-02A1	1S15228B - 1-2'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.1	0.4	0.42	10
PERCHLORATE	EPA 314.0	1510014-03A1	1S15228C - 1-4'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.43	10

TABLE 5
S-23 ENERGETICS ANALYTICAL RESULTS

ANALYTE	METHOD	LAB_SAMPLE_ID	FIELD_SAMPLE_ID	MATRIX	RESULT	RESULT (Dry)	UNITS	BATCH_ID	DATE SAMPLED	ANALYSIS DATE	MDL	MDL (Dry)	EQL	EQL (Dry)	DILUTION
PERCHLORATE	EPA 314.0	1510014-04A1	1S15228D - 1-8'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.1	0.4	0.42	10
PERCHLORATE	EPA 314.0	1510014-05A1	1S15229A - 2-0-6'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.12	0.4	0.46	10
PERCHLORATE	EPA 314.0	1510014-06A1	1S15229B - 2-2'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.42	10
PERCHLORATE	EPA 314.0	1510014-07A1	1S15229C - 2-4'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.42	10
PERCHLORATE	EPA 314.0	1510014-08A1	1S15229D - 2-8'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.12	0.4	0.5	10
PERCHLORATE	EPA 314.0	1510014-10A1	1S15230A - 3-0-6'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.46	10
PERCHLORATE	EPA 314.0	1510014-11A1	1S15230B - 3-2'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.43	10
PERCHLORATE	EPA 314.0	1510014-12A1	1S15230C - 3-4'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.1	0.4	0.41	10
PERCHLORATE	EPA 314.0	1510014-13A1	1S15230D - 3-8'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.43	10
PERCHLORATE	EPA 314.0	1510014-15A1	1S15231A - 4-0-6'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.43	10
PERCHLORATE	EPA 314.0	1510014-16A1	1S15231B - 4-2'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.1	0.4	0.41	10
PERCHLORATE	EPA 314.0	1510014-17A1	1S15231C - 4-4'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.42	10
PERCHLORATE	EPA 314.0	1510014-18A1	1S15231D - 4-8'	Soil	U	U	mg/kg	WS1510-037	7-Oct-15	20-Oct-15	0.1	0.11	0.4	0.43	10
RDX	8330A Mod	1510014-01A1	1S15228A - 1-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.22	1
RDX	8330A Mod	1510014-02A1	1S15228B - 1-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.1	0.2	0.21	1
RDX	8330A Mod	1510014-03A1	1S15228C - 1-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.21	1
RDX	8330A Mod	1510014-04A1	1S15228D - 1-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.1	0.2	0.21	1
RDX	8330A Mod	1510014-05A1	1S15229A - 2-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.12	0.2	0.23	1
RDX	8330A Mod	1510014-06A1	1S15229B - 2-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.21	1
RDX	8330A Mod	1510014-07A1	1S15229C - 2-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.21	1
RDX	8330A Mod	1510014-08A1	1S15229D - 2-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.12	0.2	0.25	1
RDX	8330A Mod	1510014-10A1	1S15230A - 3-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.23	1
RDX	8330A Mod	1510014-11A1	1S15230B - 3-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.22	1
RDX	8330A Mod	1510014-12A1	1S15230C - 3-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.1	0.2	0.21	1
RDX	8330A Mod	1510014-13A1	1S15230D - 3-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.22	1
RDX	8330A Mod	1510014-15A1	1S15231A - 4-0-6'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.22	1
RDX	8330A Mod	1510014-16A1	1S15231B - 4-2'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.1	0.2	0.21	1
RDX	8330A Mod	1510014-17A1	1S15231C - 4-4'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.21	1
RDX	8330A Mod	1510014-18A1	1S15231D - 4-8'	Soil	U	U	mg/kg	WS1510-021	7-Oct-15	14-Oct-15	0.1	0.11	0.2	0.21	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1,2-TETRACHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,1-TRICHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2,2-TETRACHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.6	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1,2-TRICHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,1-DICHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
1,1-DICHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,1-DICHLOROETHENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROETHENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
1,1-DICHLOROPROPENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,1-DICHLOROPROPENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
1,2,3-TRICHLOROPROPANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,3-TRICHLOROPROPANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRICHLOROBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2,4-TRIMETHYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMO-3-CHLOROPROPA	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.2	10	1
1,2-DIBROMOETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DIBROMOETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
1,2-DIBROMOETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
1,2-DICHLOROBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
1,2-DICHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,2-DICHLOROPROPANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3,5-TRIMETHYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
1,3-DICHLOROBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
1,3-DICHLOROBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
1,3-DICHLOROPROPANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,3-DICHLOROPROPANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
1,4-DICHLOROBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1,4-DICHLOROBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
1-BUTANOL	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
1-BUTANOL	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2,2-DICHLOROPROPANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
2,2-DICHLOROPROPANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2,2-DICHLOROPROPANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
2-BUTANONE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-BUTANONE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROETHYLVINYL ETHER	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-CHLOROTOLUENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-CHLOROTOLUENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
2-HEXANONE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
2-HEXANONE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-HEXANONE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
2-METHYL-1-PROPANOL	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-METHYL-1-PROPANOL	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
2-NITROPROPANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
2-NITROPROPANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
4-CHLOROTOLUENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-CHLOROTOLUENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-ISOPROPYLTOLUENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
4-METHYL-2-PENTANONE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
4-METHYL-2-PENTANONE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	5.3 J	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACETONE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACROLEIN	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACROLEIN	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5	10	1
ACRYLONITRILE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ACRYLONITRILE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ALLYL CHLORIDE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
ALLYL CHLORIDE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
ALLYL CHLORIDE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
BENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
BROMOCHLOROMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOCHLOROMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
BROMODICHLOROMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMODICHLOROMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
BROMOFORM	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOFORM	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
BROMOMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	4.5 J	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
BROMOMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	3.1	10	1
CARBON DISULFIDE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON DISULFIDE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CARBON TETRACHLORIDE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CARBON TETRACHLORIDE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
CHLOROBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.7	10	1
CHLOROFORM	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROFORM	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
CHLOROMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CHLOROPRENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
CHLOROPRENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CHLOROPRENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.5	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,2-DICHLOROETHENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CIS-1,3-DICHLOROPROPENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
CYCLOHEXANONE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
CYCLOHEXANONE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	5.1	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
DIBROMOCHLOROMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOCHLOROMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DIBROMOMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DIBROMOMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
DICHLORODIFLUOROMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
ETHYL ACETATE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ACETATE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2.1	10	1
ETHYL ETHER	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL ETHER	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
ETHYL METHACRYLATE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
ETHYL METHACRYLATE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYL METHACRYLATE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ETHYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
FREON 113	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
FREON 113	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.1	10	1
HEXACHLOROBUTADIENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
HEXACHLOROBUTADIENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
ISOPROPYL ALCOHOL	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
ISOPROPYL ALCOHOL	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYL ALCOHOL	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
ISOPROPYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
ISOPROPYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
m,p-XYLENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
m,p-XYLENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHACRYLONITRILE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHACRYLONITRILE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.8	10	1
METHYL IODIDE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
METHYL IODIDE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL IODIDE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
METHYL METHACRYLATE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYL METHACRYLATE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
METHYLENE CHLORIDE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
METHYLENE CHLORIDE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
NAPHTHALENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	6.5 J	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
NAPHTHALENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.9	10	1
N-BUTYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1
N-BUTYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.2	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
N-PROPYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
N-PROPYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
o-XYLENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
PROPIONITRILE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
PROPIONITRILE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	4	10	1
SEC-BUTYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
SEC-BUTYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
STYRENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
STYRENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	2. J	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	1.8 J	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
STYRENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.5	10	1
TERT-BUTYLBENZENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TERT-BUTYLBENZENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.9	10	1
TETRACHLOROETHENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TETRACHLOROETHENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1.3	10	1
TOLUENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TOLUENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
TRANS-1,2-DICHLOROETHENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,2-DICHLOROETHENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,3-DICHLOROPROPENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.8	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRANS-1,4-DICHLORO-2-BUTEN	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	2	10	1
TRICHLOROETHENE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROETHENE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.7	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	3. J	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
TRICHLOROFLUOROMETHANE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1

TABLE 6
S-34 SOIL VOC ANALYTICAL RESULTS

ANALYTE	METHOD	LAB SAMPLE ID	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	DATE SAMPLED	ANALYSIS DATE	MDL	EQL	DILUTION
TRICHLOROFLUOROMETHANE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	1	10	1
VINYL ACETATE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL ACETATE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	20	50	1
VINYL CHLORIDE	8260B	1510011-01A1	1S15224A - 1-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-02A1	1S15224B - 1-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-03A1	1S15224C - 1-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-04A1	1S15224D - 1-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-05A1	1S15225A - 2-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-06A1	1S15225B - 2-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-07A1	1S15225C - 2-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-08A1	1S15225D - 2-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-09A1	1S15226A - 3-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-10A1	1S15226B - 3-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-12A1	1S15226D - 3-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-14A1	1S15227A - 4-0-6'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-15A1	1S15227B - 4-2'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-16A1	1S15227C - 4-4'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1
VINYL CHLORIDE	8260B	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	13-Oct-15	0.6	10	1

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,1-Trichloroethane	3.4	ug/m³	5200	22000		0.82	2.7	2.73
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,1-Trichloroethane	4.6	ug/m³	5200	22000		0.82	2.7	2.73
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,1-Trichloroethane	6.4	ug/m³	5200	22000		0.82	2.7	2.73
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,1-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,1-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2,2-Tetrachloroethane	<1.0	ug/m³				1	3.4	3.43
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2,2-Tetrachloroethane	<1.0	ug/m³				1	3.4	3.43
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2,2-Tetrachloroethane	<1.0	ug/m³				1	3.4	3.43
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2,2-Tetrachloroethane	<1.0	ug/m³				1	3.4	3.43
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2,2-Tetrachloroethane	<1.0	ug/m³				1	3.4	3.43
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1,2-Trichloroethane	<0.82	ug/m³				0.82	2.7	2.73
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,1-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trichlorobenzene	<2.2	ug/m³				2.2	7.4	7.42
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trichlorobenzene	<2.2	ug/m³				2.2	7.4	7.42
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trichlorobenzene	<2.2	ug/m³				2.2	7.4	7.42
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trichlorobenzene	<2.2	ug/m³				2.2	7.4	7.42
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trichlorobenzene	<2.2	ug/m³				2.2	7.4	7.42
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trimethylbenzene	2.6	ug/m³	7	310	0.003	0.74	2.5	2.46
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trimethylbenzene	4.4	ug/m³	7	310	0.005	0.74	2.5	2.46
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trimethylbenzene	<0.74	ug/m³				0.74	2.5	2.46
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trimethylbenzene	15	ug/m³	7	310	0.017	0.74	2.5	2.46
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2,4-Trimethylbenzene	[1.8]	ug/m³				0.74	2.5	2.46
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dibromoethane	<1.2	ug/m³				1.2	3.8	3.84
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dibromoethane	<1.2	ug/m³				1.2	3.8	3.84
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dibromoethane	<1.2	ug/m³				1.2	3.8	3.84
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dibromoethane	<1.2	ug/m³				1.2	3.8	3.84
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dibromoethane	<1.2	ug/m³				1.2	3.8	3.84
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichlorobenzene	<1.8	ug/m³				1.8	6	6.01
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichlorobenzene	<1.8	ug/m³				1.8	6	6.01
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichlorobenzene	<1.8	ug/m³				1.8	6	6.01
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichlorobenzene	<1.8	ug/m³				1.8	6	6.01
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichlorobenzene	<1.8	ug/m³				1.8	6	6.01
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloroethane	<0.61	ug/m³				0.61	2	2.02

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloroethane	<0.61	ug/m³				0.61	2	2.02
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloropropane	<0.73	ug/m³				0.73	2.4	2.43
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloropropane	<0.73	ug/m³				0.73	2.4	2.43
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloropropane	<0.73	ug/m³				0.73	2.4	2.43
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloropropane	<0.73	ug/m³				0.73	2.4	2.43
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,2-Dichloropropane	<0.73	ug/m³				0.73	2.4	2.43
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3,5-Trimethylbenzene	[1.2]	ug/m³				0.74	2.5	2.46
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3,5-Trimethylbenzene	[1.8]	ug/m³				0.74	2.5	2.46
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3,5-Trimethylbenzene	<0.74	ug/m³				0.74	2.5	2.46
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3,5-Trimethylbenzene	7.6	ug/m³				0.74	2.5	2.46
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3,5-Trimethylbenzene	<0.74	ug/m³				0.74	2.5	2.46
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Butadiene	8.3	ug/m³	0.08	0.41	0.012	0.33	1.1	1.11
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Butadiene	5.3	ug/m³	0.08	0.41	0.0076	0.33	1.1	1.11
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Butadiene	[0.90]	ug/m³				0.33	1.1	1.11
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Butadiene	18	ug/m³	0.08	0.41	0.026	0.33	1.1	1.11
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Butadiene	3.2	ug/m³	0.08	0.41	0.0046	0.33	1.1	1.11
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,3-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,4-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,4-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,4-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,4-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	1,4-Dichlorobenzene	<0.90	ug/m³				0.9	3	3.01
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	2-Hexanone	<1.2	ug/m³				1.2	4.1	4.1
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	2-Hexanone	9.1	ug/m³	31	130		1.2	4.1	4.1
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	2-Hexanone	<1.2	ug/m³				1.2	4.1	4.1
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	2-Hexanone	<1.2	ug/m³				1.2	4.1	4.1
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	2-Hexanone	<1.2	ug/m³				1.2	4.1	4.1
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	4-Ethyl toluene	[0.95]	ug/m³				0.74	4.9	4.92
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	4-Ethyl toluene	[1.2]	ug/m³				0.74	4.9	4.92
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	4-Ethyl toluene	<0.74	ug/m³				0.74	4.9	4.92
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	4-Ethyl toluene	[2.6]	ug/m³				0.74	4.9	4.92
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	4-Ethyl toluene	<0.74	ug/m³				0.74	4.9	4.92
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Acetone	110	ug/m³	32000	140000		0.71	2.4	2.38
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Acetone	130	ug/m³	32000	140000		0.71	2.4	2.38
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Acetone	16	ug/m³	32000	140000		0.71	2.4	2.38
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Acetone	110	ug/m³	32000	140000		0.71	2.4	2.38
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Acetone	18	ug/m³	32000	140000		0.71	2.4	2.38
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzene	28	ug/m³	0.36	1.60	0.038	0.48	1.6	1.6
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzene	21	ug/m³	0.36	1.60	0.029	0.48	1.6	1.6
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzene	2.6	ug/m³	0.36	1.60	0.0036	0.48	1.6	1.6
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzene	53	ug/m³	0.36	1.60	0.073	0.48	1.6	1.6

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzene	11	ug/m³	0.36	1.60	0.015	0.48	1.6	1.6
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzyl chloride	<1.6	ug/m³				1.6	5.2	5.18
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzyl chloride	<1.6	ug/m³				1.6	5.2	5.18
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzyl chloride	<1.6	ug/m³				1.6	5.2	5.18
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzyl chloride	<1.6	ug/m³				1.6	5.2	5.18
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Benzyl chloride	<1.6	ug/m³				1.6	5.2	5.18
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromodichloromethane	<1.0	ug/m³				1	3.4	3.35
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromodichloromethane	<1.0	ug/m³				1	3.4	3.35
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromodichloromethane	<1.0	ug/m³				1	3.4	3.35
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromodichloromethane	<1.0	ug/m³				1	3.4	3.35
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromodichloromethane	<1.0	ug/m³				1	3.4	3.35
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromoform	<1.6	ug/m³				1.6	5.2	5.17
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromoform	<1.6	ug/m³				1.6	5.2	5.17
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromoform	<1.6	ug/m³				1.6	5.2	5.17
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromoform	<1.6	ug/m³				1.6	5.2	5.17
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromoform	<1.6	ug/m³				1.6	5.2	5.17
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromomethane	<0.58	ug/m³				0.58	1.9	1.94
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromomethane	<0.58	ug/m³				0.58	1.9	1.94
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromomethane	<0.58	ug/m³				0.58	1.9	1.94
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromomethane	<0.58	ug/m³				0.58	1.9	1.94
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Bromomethane	<0.58	ug/m³				0.58	1.9	1.94
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon disulfide	21	ug/m³	730	3100		0.47	1.6	1.56
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon disulfide	13	ug/m³	730	3100		0.47	1.6	1.56
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon disulfide	3.8	ug/m³	730	3100		0.47	1.6	1.56
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon disulfide	11	ug/m³	730	3100		0.47	1.6	1.56
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon disulfide	[1.0]	ug/m³				0.47	1.6	1.56
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon tetrachloride	<0.94	ug/m³				0.94	3.1	3.15
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon tetrachloride	<0.94	ug/m³				0.94	3.1	3.15
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon tetrachloride	<0.94	ug/m³				0.94	3.1	3.15
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon tetrachloride	<0.94	ug/m³				0.94	3.1	3.15
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Carbon tetrachloride	<0.94	ug/m³				0.94	3.1	3.15
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chlorobenzene	<0.69	ug/m³				0.69	2.3	2.3
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chlorobenzene	<0.69	ug/m³				0.69	2.3	2.3
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chlorobenzene	<0.69	ug/m³				0.69	2.3	2.3
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chlorobenzene	<0.69	ug/m³				0.69	2.3	2.3
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chlorobenzene	<0.69	ug/m³				0.69	2.3	2.3
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chloroform	[2.2]	ug/m³				0.73	2.4	2.44
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chloroform	3.8	ug/m³	0.12	0.53	0.0049	0.73	2.4	2.44
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chloroform	8.8	ug/m³	0.12	0.53	0.011	0.73	2.4	2.44
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chloroform	[1.3]	ug/m³				0.73	2.4	2.44
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Chloroform	<0.73	ug/m³				0.73	2.4	2.44
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	cis-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Cyclohexane	61	ug/m³	1000	4400		0.52	1.7	1.72
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Cyclohexane	13	ug/m³	1000	4400		0.52	1.7	1.72
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Cyclohexane	<0.52	ug/m³				0.52	1.7	1.72
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Cyclohexane	29	ug/m³	1000	4400		0.52	1.7	1.72
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Cyclohexane	<0.52	ug/m³				0.52	1.7	1.72
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dibromochloromethane	<1.3	ug/m³				1.3	4.3	4.26
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dibromochloromethane	<1.3	ug/m³				1.3	4.3	4.26
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dibromochloromethane	<1.3	ug/m³				1.3	4.3	4.26
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dibromochloromethane	<1.3	ug/m³				1.3	4.3	4.26
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dibromochloromethane	<1.3	ug/m³				1.3	4.3	4.26
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dichlorodifluoromethane	2.7	ug/m³	100	440		0.74	2.5	2.47
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dichlorodifluoromethane	3	ug/m³	100	440		0.74	2.5	2.47
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dichlorodifluoromethane	2.9	ug/m³	100	440		0.74	2.5	2.47
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dichlorodifluoromethane	2.7	ug/m³	100	440		0.74	2.5	2.47
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Dichlorodifluoromethane	2.7	ug/m³	100	440		0.74	2.5	2.47
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl acetate	<0.54	ug/m³				0.54	3.6	3.6
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl acetate	<0.54	ug/m³				0.54	3.6	3.6
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl acetate	<0.54	ug/m³				0.54	3.6	3.6
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl acetate	<0.54	ug/m³				0.54	3.6	3.6
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl acetate	<0.54	ug/m³				0.54	3.6	3.6
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl benzene	3.1	ug/m³	1.1	4.9	0.004	0.65	2.2	2.17
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl benzene	4.6	ug/m³	1.1	4.9	0.006	0.65	2.2	2.17
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl benzene	<0.65	ug/m³				0.65	2.2	2.17
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl benzene	8.4	ug/m³	1.1	4.9	0.01	0.65	2.2	2.17
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl benzene	2.6	ug/m³	1.1	4.9	0.003	0.65	2.2	2.17
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl chloride	<0.40	ug/m³				0.4	1.3	1.32
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl chloride	<0.40	ug/m³				0.4	1.3	1.32
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl chloride	<0.40	ug/m³				0.4	1.3	1.32
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl chloride	<0.40	ug/m³				0.4	1.3	1.32
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Ethyl chloride	<0.40	ug/m³				0.4	1.3	1.32
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 11	580	ug/m³				0.84	2.8	2.81
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 11	2100	ug/m³				0.84	2.8	2.81
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 11	2000	ug/m³				0.84	2.8	2.81
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 11	15	ug/m³				0.84	2.8	2.81
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 11	[1.7]	ug/m³				0.84	2.8	2.81
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 113	<1.1	ug/m³				1.1	3.8	3.83
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 113	<1.1	ug/m³				1.1	3.8	3.83
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 113	<1.1	ug/m³				1.1	3.8	3.83
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 113	<1.1	ug/m³				1.1	3.8	3.83
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 113	<1.1	ug/m³				1.1	3.8	3.83
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 114	<1.0	ug/m³				1	3.5	3.5
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 114	<1.0	ug/m³				1	3.5	3.5
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 114	<1.0	ug/m³				1	3.5	3.5

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 114	<1.0	ug/m³				1	3.5	3.5
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Freon 114	<1.0	ug/m³				1	3.5	3.5
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Heptane	130	ug/m³				0.61	2	2.05
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Heptane	33	ug/m³				0.61	2	2.05
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Heptane	3.5	ug/m³				0.61	2	2.05
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Heptane	89	ug/m³				0.61	2	2.05
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Heptane	4.6	ug/m³				0.61	2	2.05
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Hexachloro-1,3-butadiene	<3.2	ug/m³				3.2	11	10.7
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Hexachloro-1,3-butadiene	<3.2	ug/m³				3.2	11	10.7
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Hexachloro-1,3-butadiene	<3.2	ug/m³				3.2	11	10.7
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Hexachloro-1,3-butadiene	<3.2	ug/m³				3.2	11	10.7
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Hexachloro-1,3-butadiene	<3.2	ug/m³				3.2	11	10.7
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	m,p-Xylene	12	ug/m³	100	440		0.65	2.2	2.17
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	m,p-Xylene	14	ug/m³	100	440		0.65	2.2	2.17
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	m,p-Xylene	[1.9]	ug/m³				0.65	2.2	2.17
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	m,p-Xylene	35	ug/m³	100	440		0.65	2.2	2.17
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	m,p-Xylene	7.4	ug/m³	100	440		0.65	2.2	2.17
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl chloride	[0.71]	ug/m³				0.31	1	1.03
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl chloride	[0.80]	ug/m³				0.31	1	1.03
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl chloride	<0.31	ug/m³				0.31	1	1.03
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl chloride	[0.60]	ug/m³				0.31	1	1.03
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl chloride	[0.79]	ug/m³				0.31	1	1.03
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl ethyl ketone	27	ug/m³	5200	22000		0.44	1.5	1.47
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl ethyl ketone	35	ug/m³	5200	22000		0.44	1.5	1.47
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl ethyl ketone	3.9	ug/m³	5200	22000		0.44	1.5	1.47
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl ethyl ketone	38	ug/m³	5200	22000		0.44	1.5	1.47
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl ethyl ketone	4.3	ug/m³	5200	22000		0.44	1.5	1.47
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl isobutyl ketone	2.7	ug/m³	3100	13000		0.61	2	2.05
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl isobutyl ketone	3.1	ug/m³	3100	13000		0.61	2	2.05
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl isobutyl ketone	<0.61	ug/m³				0.61	2	2.05
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl isobutyl ketone	<0.61	ug/m³				0.61	2	2.05
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl isobutyl ketone	<0.61	ug/m³				0.61	2	2.05
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl t-butyl ether	<0.54	ug/m³				0.54	1.8	1.8
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl t-butyl ether	<0.54	ug/m³				0.54	1.8	1.8
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl t-butyl ether	<0.54	ug/m³				0.54	1.8	1.8
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl t-butyl ether	<0.54	ug/m³				0.54	1.8	1.8
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methyl t-butyl ether	<0.54	ug/m³				0.54	1.8	1.8
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methylene chloride	7.7	ug/m³	100	1200		0.52	1.7	1.74
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methylene chloride	<0.52	ug/m³				0.52	1.7	1.74
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methylene chloride	<0.52	ug/m³				0.52	1.7	1.74
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methylene chloride	<0.52	ug/m³				0.52	1.7	1.74
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Methylene chloride	<0.52	ug/m³				0.52	1.7	1.74
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	n-Hexane	71	ug/m³	730	3100		0.53	1.8	1.76
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	n-Hexane	41	ug/m³	730	3100		0.53	1.8	1.76
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	n-Hexane	4.5	ug/m³	730	3100		0.53	1.8	1.76
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	n-Hexane	110	ug/m³	730	3100		0.53	1.8	1.76
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	n-Hexane	6	ug/m³	730	3100		0.53	1.8	1.76

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	o-Xylene	3.3	ug/m³				0.65	2.2	2.17
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	o-Xylene	6	ug/m³				0.65	2.2	2.17
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	o-Xylene	<0.65	ug/m³				0.65	2.2	2.17
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	o-Xylene	11	ug/m³				0.65	2.2	2.17
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	o-Xylene	2.3	ug/m³				0.65	2.2	2.17
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Styrene	[1.7]	ug/m³				0.64	2.1	2.13
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Styrene	[1.7]	ug/m³				0.64	2.1	2.13
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Styrene	<0.64	ug/m³				0.64	2.1	2.13
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Styrene	4.9	ug/m³				0.64	2.1	2.13
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Styrene	[1.3]	ug/m³				0.64	2.1	2.13
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrachloroethene	<1.0	ug/m³				1	3.4	3.39
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrachloroethene	<1.0	ug/m³				1	3.4	3.39
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrachloroethene	<1.0	ug/m³				1	3.4	3.39
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrachloroethene	<1.0	ug/m³				1	3.4	3.39
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrachloroethene	<1.0	ug/m³				1	3.4	3.39
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrahydrofuran	<0.44	ug/m³				0.44	1.5	1.47
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrahydrofuran	<0.44	ug/m³				0.44	1.5	1.47
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrahydrofuran	<0.44	ug/m³				0.44	1.5	1.47
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrahydrofuran	<0.44	ug/m³				0.44	1.5	1.47
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Tetrahydrofuran	<0.44	ug/m³				0.44	1.5	1.47
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Toluene	25	ug/m³	5200	22000		0.57	1.9	1.88
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Toluene	27	ug/m³	5200	22000		0.57	1.9	1.88
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Toluene	2.7	ug/m³	5200	22000		0.57	1.9	1.88
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Toluene	71	ug/m³	5200	22000		0.57	1.9	1.88
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Toluene	13	ug/m³	5200	22000		0.57	1.9	1.88
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,2-Dichloroethene	<0.59	ug/m³				0.59	2	1.98
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	trans-1,3-Dichloropropene	<0.68	ug/m³				0.68	2.3	2.27
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Trichloroethene	<0.81	ug/m³				0.81	2.7	2.69
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Trichloroethene	<0.81	ug/m³				0.81	2.7	2.69
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Trichloroethene	<0.81	ug/m³				0.81	2.7	2.69
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Trichloroethene	<0.81	ug/m³				0.81	2.7	2.69
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Trichloroethene	<0.81	ug/m³				0.81	2.7	2.69
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl acetate	<0.53	ug/m³				0.53	1.8	1.76
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl acetate	<0.53	ug/m³				0.53	1.8	1.76
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl acetate	<0.53	ug/m³				0.53	1.8	1.76
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl acetate	<0.53	ug/m³				0.53	1.8	1.76
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl acetate	<0.53	ug/m³				0.53	1.8	1.76
S34-SG1	1528178001	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl chloride	<0.38	ug/m³				0.38	1.3	1.28
S34-SG2	1528178002	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl chloride	<0.38	ug/m³				0.38	1.3	1.28

TABLE 7
S-34 Soil Gas Results

Client Sampe ID	Lab Sample ID	Laboratory	Matrix	Date Collected	Date Analyzed	Analytical Method	Analyte Name	Result	Units	RSL Residential Air (ug/m3)	RSL Industrial Air (ug/m3)	DTSC Calc. Indoor Air (ug/m3)	MDL	QL	RL
S34-SG3	1528178003	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl chloride	<0.38	ug/m³				0.38	1.3	1.28
S34-SG4	1528178004	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl chloride	<0.38	ug/m³				0.38	1.3	1.28
S34-SG5	1528178005	ALS-SLC	Air	10/08/15	10/10/15	TO-15	Vinyl chloride	<0.38	ug/m³				0.38	1.3	1.28

Screening Values:

RSLs June 2015

DTSC Calculated Indoor Air Value (ug/m3) based on reported soil gas value.

TABLE 8
CONTAMINANTS ABOVE DAF-20 AND BTV

ANALYTE	METHOD	UNIT	FIELD SAMPLE ID	MATRIX	RESULT	UNITS	Residential RSL mg/kg	BTV mg/kg	DAF-20 (mg/kg)
ARSENIC	6010B	SS-11	#1	Soil	11.8	ug/g	0.68	9.98	0.03
ARSENIC	6010B	SS-11	#2 (FD)	Soil	11.7	ug/g	0.68	9.98	0.03
ARSENIC	6010B	SS-11	#3	Soil	8.61	ug/g	0.68	9.98	0.03
ARSENIC	6010B	SS-11	#4	Soil	6.71	ug/g	0.68	9.98	0.03
ARSENIC	6010B	SS-11	#5	Soil	5.35	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15228D - 1-0-6"	Soil	3.22	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15228B - 1-2'	Soil	1.93	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15228C - 1-4'	Soil	0.64	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15228A - 1-8'	Soil	0.74	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15229A - 2-0-6"	Soil	2.25	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15229B - 2-2'	Soil	0.74	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15229C - 2-4'	Soil	0.64	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15229D - 2-8'	Soil	0.53	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15230A - 3-0-6"	Soil	2.67	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15230B - 3-2'	Soil	0.66	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15230C - 3-4'	Soil	0.6	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15230D - 3-8'	Soil	1.32	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15231A - 4-0-6"	Soil	1.52	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15231B - 4-2'	Soil	0.86	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15231C - 4-4'	Soil	0.8	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15231D - 4-8'	Soil	0.8	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15229E - FD-1	Soil	0.45	ug/g	0.68	9.98	0.03
ARSENIC	6010B	S-23	1S15230E - FD-2	Soil	2.76	ug/g	0.68	9.98	0.03
LEAD (Final Confirmation Sample)	6010B	S-23	16C0985-04	Soil	53.6	mg/kg	400	17.7	NA

* No SSL value for groundwater protection in RSLs

APPENDIX A

LABORATORY QA/QC REPORTS

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1528178**

Limits: Historical/Performance
Basis: ALS Laboratory Group

Preparation: NA
Batch: NA
Prepared By: NA

Analysis: EPA TO-15
Batch: IVOA/3038 (HBN: 157519)
Analyzed By: Lisa M. Reid

Blank

MB: 470221
Analyzed: 10/10/2015 16:30

Units: ppb

Analyte	Result	MDL	RL
Dichlorodifluoromethane	ND	0.15	0.500
Chloromethane	ND	0.15	0.500
Freon 114	ND	0.15	0.500
Vinyl chloride	ND	0.15	0.500
1,3-Butadiene	ND	0.15	0.500
Bromomethane	ND	0.15	0.500
Chloroethane	ND	0.15	0.500
Freon 11	ND	0.15	0.500
Freon 113	ND	0.15	0.500
1,1-Dichloroethene	ND	0.15	0.500
Acetone	ND	0.3	1.00
Carbon disulfide	ND	0.15	0.500
Methylene chloride	ND	0.15	0.500
trans-1,2-Dichloroethene	ND	0.15	0.500
Methyl t-butyl ether	ND	0.15	0.500
Vinyl acetate	ND	0.15	0.500
2-Butanone	ND	0.15	0.500
cis-1,2-Dichloroethene	ND	0.15	0.500
1,1-Dichloroethane	ND	0.15	0.500
Ethyl acetate	ND	0.15	1.00
Hexane	ND	0.15	0.500
Chloroform	ND	0.15	0.500
Tetrahydrofuran	ND	0.15	0.500
1,2-Dichloroethane	ND	0.15	0.500
1,1,1-Trichloroethane	ND	0.15	0.500
Carbon tetrachloride	ND	0.15	0.500
Benzene	ND	0.15	0.500
Cyclohexane	ND	0.15	0.500
Trichloroethene	ND	0.15	0.500
1,2-Dichloropropane	ND	0.15	0.500
Bromodichloromethane	ND	0.15	0.500
Heptane	ND	0.15	0.500
cis-1,3-Dichloropropene	ND	0.15	0.500
4-Methyl-2-pentanone	ND	0.15	0.500
trans-1,3-Dichloropropene	ND	0.15	0.500
1,1,2-Trichloroethane	ND	0.15	0.500
Toluene	ND	0.15	0.500

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1528178**

Limits:	Historical/Performance	**Preparation:**	NA	**Analysis:**	EPA TO-15
Basis:	ALS Laboratory Group	**Batch:**	NA	**Batch:**	IVOA/3038 (HBN: 157519)
		Prepared By:	NA	**Analyzed By:**	Lisa M. Reid

Blank

MB: 470221
Analyzed: 10/10/2015 16:30

Units: ppb

Analyte	Result	MDL	RL
2-Hexanone	ND	0.3	1.00
Tetrachloroethene	ND	0.15	0.500
Dibromochloromethane	ND	0.15	0.500
1,2-Dibromoethane	ND	0.15	0.500
Chlorobenzene	ND	0.15	0.500
Ethyl benzene	ND	0.15	0.500
m,p-Xylene	ND	0.15	0.500
o-Xylene	ND	0.15	0.500
Styrene	ND	0.15	0.500
Bromoform	ND	0.15	0.500
1,1,2,2-Tetrachloroethane	ND	0.15	0.500
4-Ethyl toluene	ND	0.15	1.00
1,3,5-Trimethylbenzene	ND	0.15	0.500
1,2,4-Trimethylbenzene	ND	0.15	0.500
1,3-Dichlorobenzene	ND	0.15	0.500
1,4-Dichlorobenzene	ND	0.15	0.500
Benzyl chloride	ND	0.3	1.00
1,2-Dichlorobenzene	ND	0.3	1.00
1,2,4-Trichlorobenzene	ND	0.3	1.00
Hexachlorobutadiene	ND	0.3	1.00

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 470222
Analyzed: 10/10/2015 13:55
Dilution: 1
Units: ppb

LCSD: 470223
Analyzed: 10/10/2015 14:47
Dilution: 1
Units: ppb

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Dichlorodifluoromethane	11.6	10.0	116	59.3	135.1	11.7	117	0.249	0.0	25.0
Chloromethane	6.53	10.0	65.3	55.2	137.4	6.65	66.5	1.82	0.0	25.0
Freon 114	6.88	10.0	68.8	64.6	128.0	7.09	70.9	3.05	0.0	25.0
Vinyl chloride	6.08	10.0	* 60.8	61.8	132.3	6.51	65.1	6.78	0.0	25.0
1,3-Butadiene	6.06	10.0	60.6	58.0	138.3	6.42	64.2	5.75	0.0	25.0
Bromomethane	6.44	10.0	64.4	63.3	129.9	6.90	69.0	6.95	0.0	25.0
Chloroethane	6.10	10.0	61.0	57.6	137.1	6.64	66.4	8.44	0.0	25.0
Freon 11	11.2	10.0	112	58.9	132.8	11.4	114	1.94	0.0	25.0
Freon 113	11.3	10.0	113	68.5	120.0	11.5	115	1.59	0.0	25.0
1,1-Dichloroethene	10.9	10.0	109	67.2	125.1	11.1	111	2.28	0.0	25.0
Acetone	9.68	10.0	96.8	42.5	146.0	9.89	98.9	2.18	0.0	25.0

Quality Control Sample
Batch Report

Analysis Information

Workorder: 1528178

Limits: Historical/Performance
Basis: ALS Laboratory Group

Preparation: NA
Batch: NA
Prepared By: NA

Analysis: EPA TO-15
Batch: IVOA/3038 (HBN: 157519)
Analyzed By: Lisa M. Reid

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 470222
Analyzed: 10/10/2015 13:55
Dilution: 1
Units: ppb

LCSD: 470223
Analyzed: 10/10/2015 14:47
Dilution: 1
Units: ppb

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Carbon disulfide	11.1	10.0	111	63.9	128.8	11.4	114	2.67	0.0	25.0
Methylene chloride	10.9	10.0	109	63.7	127.9	11.1	111	2.07	0.0	25.0
trans-1,2-Dichloroethene	11.1	10.0	111	68.1	124.6	11.4	114	2.34	0.0	25.0
Methyl t-butyl ether	11.6	10.0	116	60.8	138.0	11.7	117	0.987	0.0	25.0
Vinyl acetate	12.1	10.0	121	59.3	141.1	12.4	124	2.42	0.0	25.0
2-Butanone	10.1	10.0	101	51.7	144.2	10.4	104	2.89	0.0	25.0
cis-1,2-Dichloroethene	11.0	10.0	110	69.8	124.3	11.1	111	0.835	0.0	25.0
1,1-Dichloroethane	10.9	10.0	109	67.7	123.6	11.0	110	1.49	0.0	25.0
Ethyl acetate	11.8	10.0	118	53.4	156.9	11.8	118	0.466	0.0	25.0
Hexane	11.1	10.0	111	62.4	129.5	11.0	110	0.580	0.0	25.0
Chloroform	11.1	10.0	111	67.3	121.8	11.0	110	0.398	0.0	25.0
Tetrahydrofuran	10.6	10.0	106	50.6	155.3	10.6	106	0.0659	0.0	25.0
1,2-Dichloroethane	10.8	10.0	108	62.4	130.5	10.8	108	0.0649	0.0	25.0
1,1,1-Trichloroethane	12.0	10.0	120	60.4	127.7	11.9	119	0.746	0.0	25.0
Carbon tetrachloride	12.7	10.0	127	58.2	130.6	12.5	125	1.71	0.0	25.0
Benzene	11.5	10.0	115	64.1	127.3	11.3	113	1.94	0.0	25.0
Cyclohexane	10.5	10.0	105	61.9	123.6	10.3	103	1.11	0.0	25.0
Trichloroethene	11.7	10.0	117	62.4	126.8	11.5	115	1.75	0.0	25.0
1,2-Dichloropropane	11.5	10.0	115	60.7	130.6	11.3	113	1.78	0.0	25.0
Bromodichloromethane	11.5	10.0	115	62.9	128.3	11.4	114	1.27	0.0	25.0
Heptane	12.1	10.0	121	59.5	133.4	11.8	118	2.76	0.0	25.0
cis-1,3-Dichloropropene	12.3	10.0	123	64.1	133.6	12.1	121	1.46	0.0	25.0
4-Methyl-2-pentanone	10.2	10.0	102	73.5	150.0	10.2	102	0.0979	0.0	25.0
trans-1,3-Dichloropropene	12.9	10.0	129	78.5	148.7	12.5	125	3.15	0.0	25.0
1,1,2-Trichloroethane	11.4	10.0	114	65.0	126.6	11.2	112	2.18	0.0	25.0
Toluene	11.6	10.0	116	75.6	139.4	11.4	114	2.46	0.0	25.0
2-Hexanone	10.4	10.0	104	80.8	158.8	10.3	103	0.540	0.0	25.0
Tetrachloroethene	11.9	10.0	119	60.7	126.6	11.7	117	2.30	0.0	25.0
Dibromochloromethane	11.5	10.0	115	62.4	130.9	11.2	112	2.45	0.0	25.0
1,2-Dibromoethane	11.4	10.0	114	64.4	129.0	11.1	111	2.73	0.0	25.0
Chlorobenzene	12.0	10.0	120	62.8	126.9	11.8	118	1.86	0.0	25.0
Ethyl benzene	12.7	10.0	127	75.9	148.5	12.4	124	2.57	0.0	25.0
m,p-Xylene	25.5	20.0	127	73.7	144.9	25.3	126	0.827	0.0	25.0
o-Xylene	12.8	10.0	128	74.7	147.4	12.7	127	1.14	0.0	25.0
Styrene	13.0	10.0	130	75.9	158.1	12.7	127	2.11	0.0	25.0
Bromoform	11.6	10.0	116	59.7	136.0	11.5	115	1.03	0.0	25.0
1,1,2,2-Tetrachloroethane	11.9	10.0	119	59.3	134.8	11.8	118	0.771	0.0	25.0

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1528178**

Limits:	Historical/Performance	**Preparation:**	NA	**Analysis:**	EPA TO-15
Basis:	ALS Laboratory Group	**Batch:**	NA	**Batch:**	IVOA/3038 (HBN: 157519)
		Prepared By:	NA	**Analyzed By:**	Lisa M. Reid

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS:	470222					**LCSD:**	470223			
Analyzed:	10/10/2015 13:55					**Analyzed:**	10/10/2015 14:47			
Dilution:	1					**Dilution:**	1			
Units:	ppb					**Units:**	ppb			
Analyte	**Result**	**Target**	**% Rec**	**QC Limits**		**Result**	**% Rec**	**RPD**	**QC Limits**	
4-Ethyl toluene	12.7	10.0	127	69.0	163.3	12.4	124	2.01	0.0	25.0
1,3,5-Trimethylbenzene	12.8	10.0	128	64.2	155.1	12.6	126	1.46	0.0	25.0
1,2,4-Trimethylbenzene	13.0	10.0	130	59.7	169.4	12.7	127	2.04	0.0	25.0
1,3-Dichlorobenzene	12.5	10.0	125	58.6	157.6	12.3	123	1.60	0.0	25.0
1,4-Dichlorobenzene	12.4	10.0	124	57.7	137.2	12.2	122	1.64	0.0	25.0
Benzyl chloride	16.8	10.0	168	60.1	182.5	16.6	166	1.43	0.0	25.0
1,2-Dichlorobenzene	12.6	10.0	126	56.5	140.0	12.3	123	2.46	0.0	25.0
1,2,4-Trichlorobenzene	13.5	10.0	135	0.0	235.7	13.2	132	2.74	0.0	25.0
Hexachlorobutadiene	14.3	10.0	143	25.3	155.9	14.0	140	1.81	0.0	25.0

Surrogate Recoveries

Surrogate	4-Bromofluorobenzene		
QC Limits	67.7	129.9	
Units	ppb		
Lab ID	**Result**	**Target**	**% Recovery**
470222-LCS	19.6	20.0	97.9
470223-LCSD	19.7	20.0	98.6
470221-MB	19.2	20.0	96.1
1528178001	19.5	20.0	97.7
1528178002	19.7	20.0	98.6
1528178003	19.4	20.0	97.1
1528178004	19.4	20.0	97.2
1528178005	19.5	20.0	97.4

Comments

The following compounds in the CCV were outside of +/-30%: Chloromethane, Freon 114, Vinyl Chloride, 1,3-Butadiene, Bromomethane and Chloroethane

Poor Internal Standard recoveries are due to a high peak of CO2 throughout the samples.

QC Data Approved and Reviewed by

Lisa M. Reid	Jorden Baum	10/14/2015
Analyst	**Peer Review**	**Date**

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
◆ - Sample and Matrix Duplicate less than 5 times the reporting limit

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

1528178

ANALYTICAL REQUEST FORM

1578178

1. ☒ **REGULAR Status**

☐ **RUSH Status Requested - ADDITIONAL CHARGE**
RESULTS REQUIRED BY _____
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 10/8/15 Purchase Order No. 1021-16

3. Company Name EARTHFAX ENGINEERING GROUP
Address 7324 S UNION PARK AVE.
MIDVALE, UT 84047
Person to Contact KRIS BLAUER
Telephone (801) 561-1555
Fax Telephone (801) 561-1861
E-mail Address kblauer@earthfax.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager Paul Pope

5. **Sample Collection**
Sampling Site ATK BACCHUS
Industrial Process
Date of Collection 10/8/15
Time Collected VARIOUS
Date of Shipment 10/8/15
Chain of Custody No.

6. How did you first learn about ALS?

7. **REQUEST FOR ANALYSES**

Client Sample Number	Matrix*	Sample/Area Volume	ANALYSES REQUESTED - Use method number if known	Units**	Lab Comments
S34-SG1	AIR	6L	TO-15	5	0355
S34-SG2	AIR	6L	"	"	~~0411~~ 0430
S34-SG3	AIR	6L	"	"	0409
S34-SG4	AIR	6L	"	"	0471
S34-SG5	AIR	6L	"	"	0222

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. µg/sample 2. mg/m^3 3. ppm 4. % 5. µg/m^3 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. **Chain of Custody (Optional)**

Relinquished by	[signature]	Date/Time	10/8/15 1524
Received by	[signature]	Date/Time	10-8-15 15:25
Relinquished by		Date/Time	
Received by		Date/Time	

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Canister Chain of Custody

Client: PST

Account No:

Project/Job/Task: EARTHFIX 1021-16

Please do not apply adhesive labels directly on Canisters

Manilla tags are provided, attached to Canisters for your convenience, to apply adhesive labels

Canister Serial No.:	Date Cleaned	Initial Vacuum (inches of Hg vacuum)	VFR flow rate (ml/min)	Initials:	Field Vacuum before sampling (inches of Hg vacuum)	Final Vacuum after sampling (inches of Hg vacuum)	Client Sample Identification	Other Client Information	ALS use only
~~0305~~ 0471	10-01-15	>25		JB		0	S34-SG4		
0222							S34-SG5		
0355							S34-SG1		
0430							S34-SG2		
0409							S34-SG3		
VFR Serial No.:									

Original Field Sample Chain-of-Custody

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/Storage Location
[signature]	10-07-15	[signature]	Sampling

Return to:
ALS Laboratory Group
960 W. LeVoy Drive
Salt Lake City, UT 84123
800-356-9135

If canisters are kept for longer than the original project scheduled sampling, a $40 per can - per week rental fee will be assessed. If a project is cancelled after ALS has shipped cans, in addition to the cost of the initial shipping, a $40 weekly rental fee will be charged for each unused can until they are returned to ALS.

Summa® Canister Request

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

	Delivery By:	Date: 10/6/2015	Time: AM ☐ PM ☐

Requested By:	Paul Pope	Ext:	381	Request Date:	10/05/15

Client Purchase Order Number:	Account Number:	Task:	Section:
	07003		

Analyte:	VOC						
Analytical Method:	EPA TO 15						
Summa Type:	6 Liter Summa	☒	6 Liter Sulfur	☐	Mini Canister	☐	Mini Sulfur ☐
Quantity:	5						
Trip Blanks:							
Regulator Type:	Passive Sampler	☐	Sulfur Sampler	☐	Mini Passive Sampler	☐	Mini Sulfur Sampler ☐
Quantity:							
Sampling Time:	grab						
Special Instructions:	Pick up Thursday 10/08/15. Please include swagelock fitting. One check pressure valve.						

Additional Equipment Needed: Holsters:	Quantity Needed:		
Additional Equipment Needed: Tubing:	Quanity:	Length:	

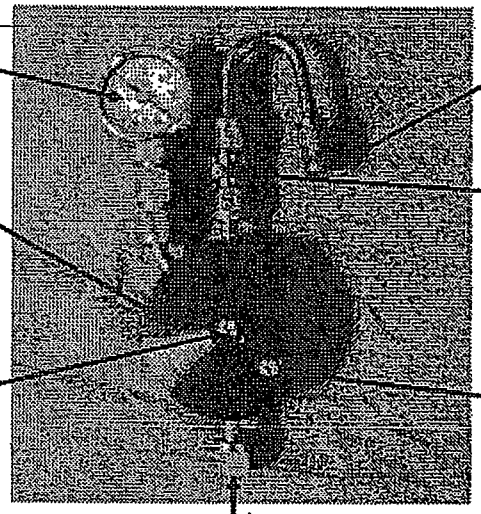
Chain of Custody:	Yes	☐	No	☐	Labels:	Yes	☐	No	☐	Seals:	Yes ☐ No ☐
Canister Cleaning Certificate Included:						Yes	☐	No	☐	Method of Payment for Shipping	
Bill Client for Shipping:						Yes	☐	No	☐		

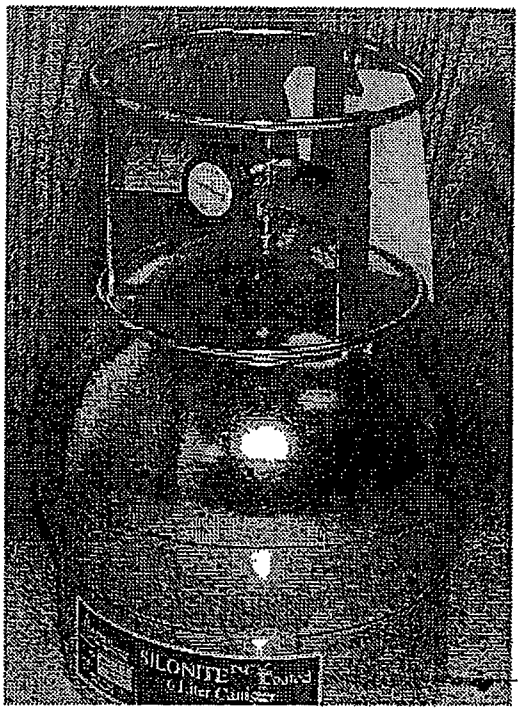
Company Name	Contact Name
EarthFax Engineering	Kris Blauer
Address	**City, State, ZIP**
7324 S Union Park Ave. Suite 100	Midvale, UT 84047
	Telephone: (801) 561-1555

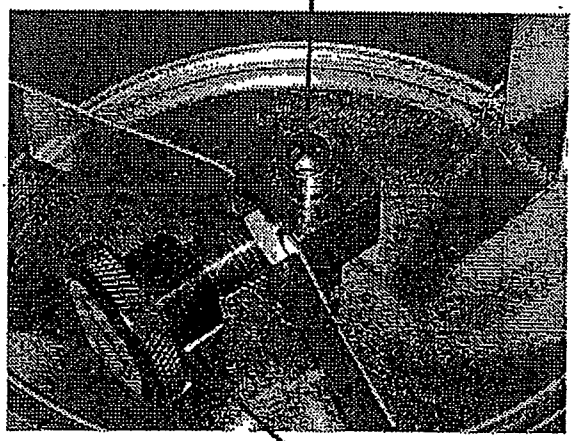
Canister ID Numbers (Internal Use)			Regulator ID Numbers (Internal Use)		
~~0305~~					
0272					
0355					
0430					
0409					
0471					

Tracking Information:

SAMPLING VALVE INSTRUCTIONS







APPENDIX B

FIELD DUPLICATE AND TRIP BLANK RESULTS

TABLE B-1
S-23 FIELD DUPLICATE RESULTS

ANALYTE	TEST	LAB SAMPLE ID	Field ID	SAMPLED DATE	Unit	Result	Unit
ANTIMONY	6010B	1510021-01	#1	10/19/2015	SS-11	2.4	ug/g
ANTIMONY	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	0	ug/g
Relative Percent Difference						**200.00**	
ARSENIC	6010B	1510021-01	#1	10/19/2015	SS-11	10.3	ug/g
ARSENIC	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	10.2	ug/g
Relative Percent Difference						**0.98**	
BERYLLIUM	6010B	1510021-01	#1	10/19/2015	SS-11	0.54	ug/g
BERYLLIUM	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	0.58	ug/g
Relative Percent Difference						**7.14**	
CADMIUM	6010B	1510021-01	#1	10/19/2015	SS-11	0	ug/g
CADMIUM	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	0	ug/g
Relative Percent Difference						**0.00**	
CHROMIUM	6010B	1510021-01	#1	10/19/2015	SS-11	21.1	ug/g
CHROMIUM	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	26.3	ug/g
Relative Percent Difference						**21.94**	
CHROMIUM HEXAVALENT	7199	1510021-01	#1	10/19/2015	SS-11	0.37	ug/g
CHROMIUM HEXAVALENT	7199	1510021-02	#2 (FD)	10/19/2015	SS-11	0.34	ug/g
Relative Percent Difference						**8.45**	
COPPER	6010B	1510021-01	#1	10/19/2015	SS-11	41.5	ug/g
COPPER	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	43.3	ug/g
Relative Percent Difference						**4.25**	
LEAD	6010B	1510021-01	#1	10/19/2015	SS-11	30.6	ug/g
LEAD	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	34.4	ug/g
Relative Percent Difference						**11.69**	
MERCURY	7471A	1510021-01	#1	10/19/2015	SS-11	0	ug/g
MERCURY	7471A	1510021-02	#2 (FD)	10/19/2015	SS-11	0.07	ug/g
Relative Percent Difference						**200.00**	
MOISTURE	MOISTURE	1510021-01	#1	10/19/2015	SS-11	12.8	ug/g
MOISTURE	MOISTURE	1510021-02	#2 (FD)	10/19/2015	SS-11	12.7	ug/g
Relative Percent Difference						**0.78**	
NICKEL	6010B	1510021-01	#1	10/19/2015	SS-11	10.2	ug/g
NICKEL	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	10.8	ug/g
Relative Percent Difference						**5.71**	
SELENIUM	6010B	1510021-01	#1	10/19/2015	SS-11	0	ug/g
SELENIUM	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	0	ug/g
Relative Percent Difference						**0.00**	
SILVER	6010B	1510021-01	#1	10/19/2015	SS-11	0	ug/g
SILVER	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	0.3	ug/g
Relative Percent Difference						**200.00**	
THALLIUM	6010B	1510021-01	#1	10/19/2015	SS-11	0	ug/g
THALLIUM	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	0	ug/g
Relative Percent Difference						**0.00**	
ZINC	6010B	1510021-01	#1	10/19/2015	SS-11	43.4	ug/g

TABLE B-1
S-23 FIELD DUPLICATE RESULTS

ANALYTE	TEST	LAB SAMPLE ID	Field ID	SAMPLED DATE	Unit	Result	Unit
ZINC	6010B	1510021-02	#2 (FD)	10/19/2015	SS-11	45.7	ug/g
Relative Percent Difference						**5.16**	

TABLE B-2
S-23 Analytical Results

ANALYTE	METHOD	FIELD_SAMPLE_ID	MATRIX	RESULT	RESULT (Dry)	UNITS	DATE SAMPLED
ANTIMONY	6010B	1S15229D - 2-8'	Soil	U	U	ug/g	7-Oct-15
ANTIMONY	6010B	1S15229E - FD-1	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
ARSENIC	6020A	1S15229D - 2-8'	Soil	0.43	0.53	ug/g	7-Oct-15
ARSENIC	6020A	1S15229E - FD-1	Soil	0.37	0.45	ug/g	7-Oct-15
Relative Percent Difference					**16.33**		
BERYLLIUM	6010B	1S15229D - 2-8'	Soil	U	U	ug/g	7-Oct-15
BERYLLIUM	6010B	1S15229E - FD-1	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
CADMIUM	6010B	1S15229D - 2-8'	Soil	1.3	1.6	ug/g	7-Oct-15
CADMIUM	6010B	1S15229E - FD-1	Soil	1.4	1.7	ug/g	7-Oct-15
Relative Percent Difference					**6.06**		
CHROMIUM	6010B	1S15229D - 2-8'	Soil	26.8	33.2	ug/g	7-Oct-15
CHROMIUM	6010B	1S15229E - FD-1	Soil	36	43.3	ug/g	7-Oct-15
Relative Percent Difference					**26.41**		
COPPER	6010B	1S15229D - 2-8'	Soil	31.5	39	ug/g	7-Oct-15
COPPER	6010B	1S15229E - FD-1	Soil	30.6	36.8	ug/g	7-Oct-15
Relative Percent Difference					**5.80**		
HMX	8330A	1S15229D - 2-8'	Soil	U	U	mg/kg	7-Oct-15
HMX	8330A	1S15229E - FD-1	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
LEAD	6010B	1S15229D - 2-8'	Soil	9.7 J	12	ug/g	7-Oct-15
LEAD	6010B	1S15229E - FD-1	Soil	10.3	12.4	ug/g	7-Oct-15
Relative Percent Difference					**3.28**		
MERCURY	7471A	1S15229D - 2-8'	Soil	U	U	mg/kg	7-Oct-15
MERCURY	7471A	1S15229E - FD-1	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
NICKEL	6010B	1S15229D - 2-8'	Soil	15.1	18.7	ug/g	7-Oct-15
NICKEL	6010B	1S15229E - FD-1	Soil	16	19.3	ug/g	7-Oct-15
Relative Percent Difference					**3.16**		
NITROGLYCERIN	8330A	1S15229D - 2-8'	Soil	U	U	mg/kg	7-Oct-15
NITROGLYCERIN	8330A	1S15229E - FD-1	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
PERCHLORATE	314	1S15229D - 2-8'	Soil	U	U	mg/kg	7-Oct-15
PERCHLORATE	314	1S15229E - FD-1	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
RDX	8330A	1S15229D - 2-8'	Soil	U	U	mg/kg	7-Oct-15
RDX	8330A	1S15229E - FD-1	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
SELENIUM	6010B	1S15229D - 2-8'	Soil	U	U	ug/g	7-Oct-15
SELENIUM	6010B	1S15229E - FD-1	Soil	U	U	ug/g	7-Oct-15

TABLE B-2
S-23 Analytical Results

ANALYTE	METHOD	FIELD_SAMPLE_ID	MATRIX	RESULT	RESULT (Dry)	UNITS	DATE SAMPLED
Relative Percent Difference					**0.00**		
SILVER	6010B	1S15229D - 2-8'	Soil	0.8	1	ug/g	7-Oct-15
SILVER	6010B	1S15229E - FD-1	Soil	U	0	ug/g	7-Oct-15
Relative Percent Difference					**200.00**		
THALLIUM	6010B	1S15229D - 2-8'	Soil	U	U	ug/g	7-Oct-15
THALLIUM	6010B	1S15229E - FD-1	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
ZINC	6010B	1S15229D - 2-8'	Soil	47.7	59.1	ug/g	7-Oct-15
ZINC	6010B	1S15229E - FD-1	Soil	51.8	62.3	ug/g	7-Oct-15
Relative Percent Difference					**5.27**		
ANTIMONY	6010B	1S15230A - 3-0-6"	Soil	U	U	ug/g	7-Oct-15
ANTIMONY	6010B	1S15230E - FD-2	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
ARSENIC	6020A	1S15230A - 3-0-6"	Soil	2.34	2.67	ug/g	7-Oct-15
ARSENIC	6020A	1S15230E - FD-2	Soil	2.4	2.76	ug/g	7-Oct-15
Relative Percent Difference					**3.31**		
BERYLLIUM	6010B	1S15230A - 3-0-6"	Soil	U	U	ug/g	7-Oct-15
BERYLLIUM	6010B	1S15230E - FD-2	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
CADMIUM	6010B	1S15230A - 3-0-6"	Soil	3.1	3.5	ug/g	7-Oct-15
CADMIUM	6010B	1S15230E - FD-2	Soil	2.6	3	ug/g	7-Oct-15
Relative Percent Difference					**15.38**		
CHROMIUM	6010B	1S15230A - 3-0-6"	Soil	35.2	40.2	ug/g	7-Oct-15
CHROMIUM	6010B	1S15230E - FD-2	Soil	30.4	34.9	ug/g	7-Oct-15
Relative Percent Difference					**14.11**		
COPPER	6010B	1S15230A - 3-0-6"	Soil	122	139	ug/g	7-Oct-15
COPPER	6010B	1S15230E - FD-2	Soil	120	138	ug/g	7-Oct-15
Relative Percent Difference					**0.72**		
HMX	8330A	1S15230A - 3-0-6"	Soil	U	U	mg/kg	7-Oct-15
HMX	8330A	1S15230E - FD-2	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
LEAD	6010B	1S15230A - 3-0-6"	Soil	864	986	ug/g	7-Oct-15
LEAD	6010B	1S15230E - FD-2	Soil	886	1020	ug/g	7-Oct-15
Relative Percent Difference					**3.39**		
MERCURY	7471A	1S15230A - 3-0-6"	Soil	0.07 J	0.08 J	mg/kg	7-Oct-15
MERCURY	7471A	1S15230E - FD-2	Soil	0.16	0.18	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
NICKEL	6010B	1S15230A - 3-0-6"	Soil	19.4	22.1	ug/g	7-Oct-15
NICKEL	6010B	1S15230E - FD-2	Soil	18.3	21	ug/g	7-Oct-15
Relative Percent Difference					**5.10**		
NITROGLYCERIN	8330A	1S15230A - 3-0-6"	Soil	U	U	mg/kg	7-Oct-15

TABLE B-2
S-23 Analytical Results

ANALYTE	METHOD	FIELD_SAMPLE_ID	MATRIX	RESULT	RESULT (Dry)	UNITS	DATE SAMPLED
NITROGLYCERIN	8330A	1S15230E - FD-2	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
PERCHLORATE	314	1S15230A - 3-0-6"	Soil	U	U	mg/kg	7-Oct-15
PERCHLORATE	314	1S15230E - FD-2	Soil	U	U	mg/kg	7-Oct-15
Relative Percent Difference					**0.00**		
RDX	8330A	1S15230A - 3-0-6"	Soil	U	U	ug/g	7-Oct-15
RDX	8330A	1S15230E - FD-2	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
SELENIUM	6010B	1S15230A - 3-0-6"	Soil	U	U	ug/g	7-Oct-15
SELENIUM	6010B	1S15230E - FD-2	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
SILVER	6010B	1S15230A - 3-0-6"	Soil	3	3.4	ug/g	7-Oct-15
SILVER	6010B	1S15230E - FD-2	Soil	0.9	1	ug/g	7-Oct-15
Relative Percent Difference					**109.09**		
THALLIUM	6010B	1S15230A - 3-0-6"	Soil	U	U	ug/g	7-Oct-15
THALLIUM	6010B	1S15230E - FD-2	Soil	U	U	ug/g	7-Oct-15
Relative Percent Difference					**0.00**		
ZINC	6010B	1S15230A - 3-0-6"	Soil	160	183	ug/g	7-Oct-15
ZINC	6010B	1S15230E - FD-2	Soil	149	171	ug/g	7-Oct-15
Relative Percent Difference					**6.78**		

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	1,1,1,2-TETRACHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,1,1,2-TETRACHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,1,1,2-TETRACHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,1,1,2-TETRACHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,1,1-TRICHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1,1-TRICHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1,1-TRICHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1,1-TRICHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1,2,2-TETRACHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.6	10	1
8260B	1,1,2,2-TETRACHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.6	10	1
8260B	1,1,2,2-TETRACHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.6	10	1
8260B	1,1,2,2-TETRACHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.6	10	1
8260B	1,1,2-TRICHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,1,2-TRICHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,1,2-TRICHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,1,2-TRICHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,1-DICHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1-DICHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1-DICHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1-DICHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,1-DICHLOROETHENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	1,1-DICHLOROETHENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	1,1-DICHLOROETHENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	1,1-DICHLOROETHENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	1,1-DICHLOROPROPENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,1-DICHLOROPROPENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,1-DICHLOROPROPENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,1-DICHLOROPROPENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,2,3-TRICHLOROBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2,3-TRICHLOROBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.1	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	1,2,3-TRICHLOROBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2,3-TRICHLOROBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2,3-TRICHLOROPROPANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2,3-TRICHLOROPROPANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2,3-TRICHLOROPROPANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2,3-TRICHLOROPROPANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2,4-TRICHLOROBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	1,2,4-TRICHLOROBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	1,2,4-TRICHLOROBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	1,2,4-TRICHLOROBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	1,2,4-TRIMETHYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,2,4-TRIMETHYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,2,4-TRIMETHYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,2,4-TRIMETHYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,2-DIBROMO-3-CHLOROPROPANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2-DIBROMO-3-CHLOROPROPANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2-DIBROMO-3-CHLOROPROPANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2-DIBROMO-3-CHLOROPROPANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2.2	10	1
8260B	1,2-DIBROMOETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2-DIBROMOETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2-DIBROMOETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2-DIBROMOETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	1,2-DICHLOROBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,2-DICHLOROBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,2-DICHLOROBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,2-DICHLOROBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	1,2-DICHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,2-DICHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,2-DICHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,2-DICHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	1,2-DICHLOROPROPANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,2-DICHLOROPROPANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,2-DICHLOROPROPANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,2-DICHLOROPROPANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,3,5-TRIMETHYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,3,5-TRIMETHYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,3,5-TRIMETHYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,3,5-TRIMETHYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	1,3-DICHLOROBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,3-DICHLOROBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,3-DICHLOROBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,3-DICHLOROBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	1,3-DICHLOROPROPANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,3-DICHLOROPROPANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,3-DICHLOROPROPANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,3-DICHLOROPROPANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	1,4-DICHLOROBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,4-DICHLOROBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,4-DICHLOROBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1,4-DICHLOROBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	1-BUTANOL	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	1-BUTANOL	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	1-BUTANOL	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	1-BUTANOL	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	2,2-DICHLOROPROPANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	2,2-DICHLOROPROPANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	2,2-DICHLOROPROPANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	2,2-DICHLOROPROPANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	2-BUTANONE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-BUTANONE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.7	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	2-BUTANONE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-BUTANONE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-CHLOROETHYLVINYL ETHER	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-CHLOROETHYLVINYL ETHER	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-CHLOROETHYLVINYL ETHER	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-CHLOROETHYLVINYL ETHER	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-CHLOROTOLUENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	2-CHLOROTOLUENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	2-CHLOROTOLUENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	2-CHLOROTOLUENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	2-HEXANONE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-HEXANONE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-HEXANONE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-HEXANONE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	2-NITROPROPANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-NITROPROPANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-NITROPROPANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	2-NITROPROPANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	4-CHLOROTOLUENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-CHLOROTOLUENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-CHLOROTOLUENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-CHLOROTOLUENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-ISOPROPYLTOLUENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-ISOPROPYLTOLUENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-ISOPROPYLTOLUENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-ISOPROPYLTOLUENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	4-METHYL-2-PENTANONE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	4-METHYL-2-PENTANONE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	4-METHYL-2-PENTANONE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	4-METHYL-2-PENTANONE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	ACETONE	1510011-11A1	1S15226C - 3-4'	Soil	5.3 J	ug/kg	7-Oct-15	2	10	1
8260B	ACETONE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ACETONE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ACETONE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ACROLEIN	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	5	10	1
8260B	ACROLEIN	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	5	10	1
8260B	ACROLEIN	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	5	10	1
8260B	ACROLEIN	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	5	10	1
8260B	ACRYLONITRILE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ACRYLONITRILE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ACRYLONITRILE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ACRYLONITRILE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ALLYL CHLORIDE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	ALLYL CHLORIDE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	ALLYL CHLORIDE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	ALLYL CHLORIDE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	BENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BROMOBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BROMOBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BROMOBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BROMOBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	BROMOCHLOROMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMOCHLOROMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMOCHLOROMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMOCHLOROMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMODICHLOROMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMODICHLOROMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	BROMODICHLOROMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMODICHLOROMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	BROMOFORM	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	BROMOFORM	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	BROMOFORM	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	BROMOFORM	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	BROMOMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	3.1	10	1
8260B	BROMOMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	3.1	10	1
8260B	BROMOMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	3.1	10	1
8260B	BROMOMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	3.1	10	1
8260B	CARBON DISULFIDE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CARBON DISULFIDE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CARBON DISULFIDE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CARBON DISULFIDE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CARBON TETRACHLORIDE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CARBON TETRACHLORIDE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CARBON TETRACHLORIDE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CARBON TETRACHLORIDE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	CHLOROETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	CHLOROETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	CHLOROETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.7	10	1
8260B	CHLOROFORM	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROFORM	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROFORM	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	CHLOROFORM	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	CHLOROMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CHLOROMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CHLOROMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CHLOROMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.5	10	1
8260B	CIS-1,2-DICHLOROETHENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CIS-1,2-DICHLOROETHENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CIS-1,2-DICHLOROETHENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CIS-1,2-DICHLOROETHENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	CIS-1,3-DICHLOROPROPENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	CIS-1,3-DICHLOROPROPENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	CIS-1,3-DICHLOROPROPENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	CIS-1,3-DICHLOROPROPENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	CYCLOHEXANONE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	5.1	10	1
8260B	CYCLOHEXANONE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	5.1	10	1
8260B	CYCLOHEXANONE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	5.1	10	1
8260B	CYCLOHEXANONE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	5.1	10	1
8260B	DIBROMOCHLOROMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	DIBROMOCHLOROMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	DIBROMOCHLOROMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	DIBROMOCHLOROMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	DIBROMOMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	DIBROMOMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	DIBROMOMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	DIBROMOMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	DICHLORODIFLUOROMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	DICHLORODIFLUOROMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	DICHLORODIFLUOROMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	DICHLORODIFLUOROMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	ETHYL ACETATE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	ETHYL ACETATE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	ETHYL ACETATE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	ETHYL ACETATE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2.1	10	1
8260B	ETHYL ETHER	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	ETHYL ETHER	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	ETHYL ETHER	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	ETHYL ETHER	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	ETHYL METHACRYLATE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYL METHACRYLATE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYL METHACRYLATE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYL METHACRYLATE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ETHYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	FREON 113	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	FREON 113	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	FREON 113	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	FREON 113	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.1	10	1
8260B	HEXACHLOROBUTADIENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	HEXACHLOROBUTADIENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	HEXACHLOROBUTADIENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	HEXACHLOROBUTADIENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	ISOBUTYL ALCOHOL	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOBUTYL ALCOHOL	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOBUTYL ALCOHOL	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOBUTYL ALCOHOL	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	20	50	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	ISOPROPYL ALCOHOL	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOPROPYL ALCOHOL	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOPROPYL ALCOHOL	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOPROPYL ALCOHOL	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	ISOPROPYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ISOPROPYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ISOPROPYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	ISOPROPYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	m,p-XYLENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	m,p-XYLENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	m,p-XYLENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	m,p-XYLENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	METHACRYLONITRILE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.8	10	1
8260B	METHACRYLONITRILE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.8	10	1
8260B	METHACRYLONITRILE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.8	10	1
8260B	METHACRYLONITRILE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.8	10	1
8260B	METHYL IODIDE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	METHYL IODIDE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	METHYL IODIDE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	METHYL IODIDE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	METHYL METHACRYLATE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	METHYL METHACRYLATE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	METHYL METHACRYLATE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	METHYL METHACRYLATE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	METHYLENE CHLORIDE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	METHYLENE CHLORIDE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	METHYLENE CHLORIDE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	METHYLENE CHLORIDE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	NAPHTHALENE	1510011-11A1	1S15226C - 3-4'	Soil	6.5 J	ug/kg	7-Oct-15	1.9	10	1
8260B	NAPHTHALENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.9	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	NAPHTHALENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.9	10	1
8260B	NAPHTHALENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.9	10	1
8260B	N-BUTYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	N-BUTYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	N-BUTYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	N-BUTYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.2	10	1
8260B	N-PROPYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	N-PROPYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	N-PROPYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	N-PROPYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	o-XYLENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	o-XYLENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	o-XYLENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	o-XYLENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	PROPIONITRILE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	4	10	1
8260B	PROPIONITRILE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	4	10	1
8260B	PROPIONITRILE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	4	10	1
8260B	PROPIONITRILE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	4	10	1
8260B	SEC-BUTYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	SEC-BUTYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	SEC-BUTYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	SEC-BUTYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	STYRENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.5	10	1
8260B	STYRENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.5	10	1
8260B	STYRENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.5	10	1
8260B	STYRENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.5	10	1
8260B	TERT-BUTYLBENZENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	TERT-BUTYLBENZENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	TERT-BUTYLBENZENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.9	10	1
8260B	TERT-BUTYLBENZENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.9	10	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	TETRACHLOROETHENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	TETRACHLOROETHENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	TETRACHLOROETHENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	TETRACHLOROETHENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1.3	10	1
8260B	TOLUENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TOLUENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TOLUENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TOLUENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TRANS-1,2-DICHLOROETHENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,2-DICHLOROETHENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,2-DICHLOROETHENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,2-DICHLOROETHENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,3-DICHLOROPROPENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,3-DICHLOROPROPENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,3-DICHLOROPROPENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,3-DICHLOROPROPENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.8	10	1
8260B	TRANS-1,4-DICHLORO-2-BUTENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	TRANS-1,4-DICHLORO-2-BUTENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	TRANS-1,4-DICHLORO-2-BUTENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	TRANS-1,4-DICHLORO-2-BUTENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	2	10	1
8260B	TRICHLOROETHENE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	TRICHLOROETHENE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	TRICHLOROETHENE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	TRICHLOROETHENE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.7	10	1
8260B	TRICHLOROFLUOROMETHANE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TRICHLOROFLUOROMETHANE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TRICHLOROFLUOROMETHANE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	TRICHLOROFLUOROMETHANE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	1	10	1
8260B	VINYL ACETATE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	VINYL ACETATE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	20	50	1

TABLE B-3
S-34 FIELD DUPLICATE ANALYTICAL RESULTS

METHOD	ANALYTE	LAB_SAMPLE_ID	FIELD ID	MATRIX	RESULT	UNITS	DATE SAMPLED	MDL	EQL	DILUTION
8260B	VINYL ACETATE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	VINYL ACETATE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	20	50	1
8260B	VINYL CHLORIDE	1510011-11A1	1S15226C - 3-4'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	VINYL CHLORIDE	1510011-13A1	1S15226E - FD-1	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	VINYL CHLORIDE	1510011-17A1	1S15227D - 4-8'	Soil	U	ug/kg	7-Oct-15	0.6	10	1
8260B	VINYL CHLORIDE	1510011-18A1	1S15227E - FD-2	Soil	U	ug/kg	7-Oct-15	0.6	10	1

APPENDIX C

LEVEL III DATA VALADATION

Data Validation Report

Sample Delivery Group (SDG): 1510014

Project/Site Name: S-23 The Range Soil Sampling

Collection Date: 10/07/2015

AQS Report Date: 06/13/2016

Matrix: Soil

Validation Parameters: Perchlorate (EPA 314.0)
ICP Metals (SW-846 Method 6010B)
ICP/MS Metals (SW-846 Method 6020A)
Mercury (SW-846 Method 7471A)
Explosives (SW-846 Method 8330A Mod)

Validation Level: Level III

Laboratory: ATK Launch Systems - Analytical Chemistry Laboratory
Brigham City, UT

Sample Identification:

Client ID	Lab ID	Analyses Performed
1S15228A-1-0-6’	1510014-01	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15228B-1-2’	1510014-02	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15228C-1-4’	1510014-03	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15228D-1-8’	1510014-04	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15229A-2-0-6’	1510014-05	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15229B-2-2’	1510014-06	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15229C-2-4’	1510014-07	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15229D-2-8’	1510014-08	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15229E-FD-1	1510014-09	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15230A-3-0-6’	1510014-10	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals

Client ID	Lab ID	Analyses Performed
		(6020A), Mercury (7471A), Explosives (8330A Mod)
1S15230B-3-2'	1510014-11	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15230C-3-4'	1510014-12	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15230D-3-8'	1510014-13	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15230E-FD-2	1510014-14	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15231A-4-0-6'	1510014-15	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15231B-4-2'	1510014-16	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15231C-4-4'	1510014-17	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)
1S15231D-4-8'	1510014-18	Perchlorate (314.0), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A), Explosives (8330A Mod)

1.0 Project Overview

This report has been prepared by AQS for Orbital ATK. The purpose of the report is to provide an independent review of the laboratory data associated with soil sampling at the S-23 Range.

All analyses were performed by the ATK Launch Systems - Analytical Chemistry Laboratory located in Brigham City, Utah. The laboratory is certified to perform environmental testing by the Utah Environmental Laboratory Certification Program (ELCP) in accordance with National Environmental Laboratory Accreditation Program (NELAP) standards.

Data review was based on the US Environmental Protection Agency's National Functional Guidelines for Organic and Inorganic Data Review (EPA 1999 and 2004), the referenced EPA methods and project-specific control limits. Where specific guidance is not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

2.0 Introduction

This Sample Delivery Group (SDG) includes the 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. Analyses reviewed include:

- Perchlorate (EPA Method 314.0)
- ICP Metals (SW-846 Method 6010B)
- ICP/MS Metals (SW-846 Method 6020A)

- Mercury (SW-846 Method 7471A)
- Explosives (SW-846 Method 8330A Mod)

Raw data review was not included in the Level III equivalent validation. The review was based primarily on Quality Control (QC) summary data provided by the laboratory. The following are definitions of the data qualifiers, in addition to the laboratory qualifiers, that may be used in this report.

J+	Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.
J-	Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.
J	Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.
R	Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.
UJ	Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
B	The compound or analyte was found in an associated blank as well as in the sample.
None	Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

3.0 Perchlorate (EPA Method 314.0)

3.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

3.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation. No problems were noted

3.3 Holding Times

Samples are required to be analyzed within 28 days of collection. All samples were analyzed within required holding times.

3.4 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that all criteria for the initial calibration were met.

The ICVs were within acceptance criteria.

3.5 Calibration Verification

Calibration verification frequency and analysis criteria were met.

3.6 Method Blanks

No contaminant concentrations were found in the method blanks.

3.7 Matrix Spike (MS)/Matrix Spike Duplicate

The MS/MSD recoveries were within QC acceptance limits

3.8 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for the batch. The percent recoveries (%R) were within QC limits.

3.9 Laboratory Duplicates

Laboratory duplicate results (RPD) were within specified limits.

3.10 Field Duplicates

No samples were identified as field duplicates. Therefore, this parameter was not evaluated.

3.11 Overall Assessment of Data

No qualification of the Perchlorate data is recommended by this review.

4.0 ICP Metals (SW-846 Method 6010B)

4.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

The MDLs and EQLs, for antimony, beryllium, chromium, lead, nickel, selenium, thallium and zinc, were higher than the limits specified in Table 2 of the RFI Work Plan and SAP for S-23, SS-11, and S-34 dated September 2015. This table is interpreted to by "typical" limits rather than "required" limits and minor differences are due to sample preparation factors.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
All in SDG	antimony, beryllium, chromium, lead, nickel, selenium, thallium and zinc	MDL and EQLs were higher than specified in the SAP. Those values are interpreted to be "typical" rather than "required" limits.	None recommended

4.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted

4.3 Holding Times

Samples are required to be analyzed within 180 days of collection. All samples were analyzed within required holding times.

4.4 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations.

The ICVs were within acceptance criteria.

4.5 Calibration Verification

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 10.0% for all target analytes.

4.6 Method Blanks

No contaminant concentrations were found in the method blanks.

4.7 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD's were reviewed for both batches. The MS/MSD recoveries were within QC acceptance limits, as well as the %RPD, except for the following:

Antimony was recovered low, below acceptance limits in both the MS/MSD analyzed on 10/19/15 at 11:53/11:58. The laboratory noted acid matrix interference on Antimony in the MS and MSD. It is recommended that results for antimony, both detections and non-detect, be flagged "J-" and "UJ", respectively. These qualifiers apply to samples 1510014-01 through 1510014-09. The sample results should be considered estimated and are possibly biased low.

Silver was recovered low, below acceptance limits in both the MS/MSD analyzed on 10/19/15 at 11:53/11:58. The laboratory noted possible acid matrix interference on Silver in the MS and MSD. It is recommended that results for silver, both detections and non-detect, be flagged "J-" and "UJ", respectively. These qualifiers apply to samples 1510014-01 through 1510014-09. The sample results should be considered estimated and are possibly biased low.

Antimony was recovered low, below acceptance limits in both the MS/MSD analyzed on 10/19/15 at 2:33/2:38. The laboratory noted acid matrix interference on Antimony in the MS and MSD. It is recommended that results for antimony, both detections and non-detect, be flagged "J-" and "UJ", respectively. These qualifiers apply to samples 1510014-10 through 1510014-18. The sample results should be considered estimated and are possibly biased low.

Silver was recovered low, below acceptance limits in both the MS/MSD analyzed on 10/19/15 at 2:33/2:38. The laboratory noted possible acid matrix interference on Silver in the MS and MSD. It is recommended that results for silver, both detections and non-detect, be flagged "J-" and "UJ", respectively. These qualifiers apply to samples 1510014-10 through 1510014-18. The sample results should be considered estimated and are possibly biased low.

Zinc had a high recovery in the MS and a low recovery in the MSD which were analyzed on 10/19/15 at 2:33/2:38. The laboratory noted possible acid matrix interference on Zinc in the MS and MSD. It is recommended that results for zinc, both detections and non-detect, be flagged "J-" and "UJ", respectively. These qualifiers apply to samples 1510014-10 through 1510014-18. The sample results should be considered estimated and are possibly biased low.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15228A-1-0-6'	Antimony	MS and MSD recoveries were below method limits.	J- for detects UJ for non-detects
1S15228A-1-0-6'	Silver	MS and MSD recoveries were below method limits.	J- for detects UJ for non-detects
1S15228A-1-0-6'	Zinc	MS and MSD recoveries were below method limits.	J- for detects UJ for non-detects

4.8 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for both batches. The percent recoveries (%R) were within QC limits, except for the following:

Silver recoveries were high outside acceptable limits in the LCS/LCSD analyzed on 10/19/15 at 11:35/11:40. It is recommended that detected silver results, in samples 1510014-01 through 1510014-08, be flagged "J+". The sample results should be considered estimated and are possibly biased high.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15228A-1-0-6' 1S15228B-1-2' 1S15228C-1-4' 1S15228D-1-8' 1S15229A-2-0-6' 1S15229B-2-2' 1S15229C-2-4' 1S15229D-2-8' 1S15229E-FD-1	Silver	LCS recoveries were below method limits.	J+ all results

4.9 Laboratory Duplicates

Laboratory duplicate results (RPD) were within specified limits.

4.10 Target Compound Identification

Raw data were not reviewed for this SDG.

4.11 System Performance

Raw data were not reviewed for this SDG.

4.12 Sample Result Verification

Raw data were not reviewed for this SDG.

4.13 Field Duplicates

No field duplicates were identified in this SDG.

4.14 Field Blanks

No field blank accompanied these samples.

4.15 Overall Assessment of Data

There were two separate batches of samples analyzed on 10/19/16. Both batches of data are included in SDG #1510014. Samples 1510014-01 through 1510014-09 were analyzed between 11:48 and 12:51. Samples 1510014-10 through 1510014-18 were analyzed between 2:28 and 3:32. Data flags are summarized in the final section of this report.

5.0 ICP/MS Metals (SW-846 Method 6020A)

5.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

Table 2 of the RFI Work Plan and SAP for S-23, SS-11, and S-34 dated September 2015 specifies arsenic by Method 6010B. The chain-of-custody requested Method 6020A for arsenic. The laboratory analyzed arsenic by Method 6020A.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15228A-1-0-6'	Arsenic	Arsenic was determined by Method 6020A (ICP/MS) rather than 6010B (ICP). The two methods are known to produce comparable results.	None Recommended

5.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted

5.3 Holding Times

Samples are required to be analyzed within 180 days of collection. All samples were analyzed within required holding times.

5.4 ICP/MS Instrument Performance Checks

It was assumed that the ICP-MS passed the required instrument performance checks prior to sample analysis.

5.5 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations.

The ICVs were within acceptance criteria.

5.6 Calibration Verification

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 10.0% for all target analytes.

5.7 Method Blanks

No contaminant concentrations were found in the method blanks.

5.8 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

No matrix spikes/matrix spike duplicates were included with this batch of samples.

5.9 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for both batches. Percent recoveries (%R) were within QC limits.

5.10 Laboratory Duplicates

Laboratory duplicate results (RPD) were within specified limits.

5.11 Internal Standards

The Internal Standards summary was not provided with the laboratory report. It was assumed that all internal standard areas were within QC limits in the ICP-MS analyses.

5.12 Target Compound Identification

Raw data were not reviewed for this SDG.

5.13 System Performance

Raw data were not reviewed for this SDG.

5.14 Sample Result Verification

Raw data were not reviewed for this SDG.

5.15 Field Duplicates
No field duplicates were identified in this SDG.

5.16 Field Blanks
No field blanks accompanied these samples.

5.17 Overall Assessment of Data
No qualification of the ICP-MS Metals data is recommended by this review.

6.0 Mercury (SW-846 Method 7471A)

6.1 Method Certification
At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

6.2 Sample Receipt
The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted

6.3 Holding Times
Samples are required to be analyzed within 28 days of collection. All samples were analyzed within required holding times.

6.4 Initial Calibration
The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations. No ICVs were included on the laboratory QC Summary Report.

6.5 Calibration Verification
Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 10.0% for all target analytes.

6.6 Method Blanks
No contaminant concentrations were found in the method blanks.

6.7 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

The matrix spikes/matrix spike duplicates were within acceptable QC limits.

6.8 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for both batches. The percent recoveries (%R) were within QC limits.

6.9 Laboratory Duplicates

The laboratory duplicates for samples 1510014-01A1 and 1510014-11A1 were outside of acceptable criteria. The laboratory noted that the samples were not homogenous.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15230B-3-2'	Mercury	The laboratory duplicate RPD failed for this parameter but both results were below the MDL.	None recommended

6.10 Target Compound Identification

Raw data were not reviewed for this SDG.

6.11 System Performance

Raw data were not reviewed for this SDG.

6.12 Sample Result Verification

Raw data were not reviewed for this SDG.

6.13 Field Duplicates

No field duplicates were identified in this SDG.

6.14 Field Blanks

No field blank accompanied these samples.

6.15 Overall Assessment of Data

No qualification of the Mercury data is recommended by this review.

7.0 Explosives (SW-846 Method 8330A Mod)

7.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

7.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted.

7.3 Holding Times

Samples are required to be extracted within 14 days of collection and analyzed within 40 days of extraction. All samples were analyzed within required holding times.

7.4 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations.

7.5 Calibration Verification

Continuing calibration was performed at the required frequencies.

7.6 Method Blanks

No contaminant concentrations were found in the method blanks.

7.7 Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

7.8 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

For this SDG, all of the compounds reported by the laboratory in the MS/MSD were recovered within acceptance criteria and had acceptable RPDs.

7.9 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed. Percent recoveries (%R) were within QC limits.

7.10 Laboratory Duplicates

Laboratory duplicates were not analyzed for this SDG.

7.11 Target Compound Identification

Raw data were not reviewed for this SDG.

7.12 System Performance

Raw data were not reviewed for this SDG.

7.13 Sample Result Verification

Raw data were not reviewed for this SDG.

7.14 Field Duplicates

Raw data were not reviewed for this SDG.

7.15 Field Blanks

Raw data were not reviewed for this SDG.

7.16 Overall Assessment of Data

No qualification of the Explosives data is recommended by this review.

Data Validation Report

Sample Delivery Group (SDG): 1510021

Project/Site Name: SS-11 Septic Tank Soil Sludge Sampling

Collection Date: 10/19/2015

AQS Report Date: 06/12/2016

Matrix: Soil Sludge

Validation Parameters: Hexavalent Chromium (SW-846 Method 7199)
ICP Metals (SW-846 Method 6010B)
ICP/MS Metals (SW-846 Method 6020A)
Mercury (SW-846 Method 7471A)

Validation Level: Level III

Laboratory: ATK Launch Systems - Analytical Chemistry Laboratory
Brigham City, UT

Sample Identification:

Client ID	Lab ID	Analyses Performed
1S15236	1510021-01	Hexavalent Chromium (7199), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A)
1S15237	1510021-02	Hexavalent Chromium (7199), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A)
1S15238	1510021-03	Hexavalent Chromium (7199), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A)
1S15239	1510021-04	Hexavalent Chromium (7199), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A)
1S15240	1510021-05	Hexavalent Chromium (7199), ICP Metals (6010B), ICP/MS Metals (6020A), Mercury (7471A)

1.0 Project Overview

This report has been prepared by AQS for Orbital ATK. The purpose of the report is to provide an independent review of the laboratory data associated with soil sampling at the SS-11 Septic Tank.

All analyses were performed by the ATK Launch Systems - Analytical Chemistry Laboratory located in Brigham City, Utah. The laboratory is certified to perform environmental testing by the Utah

Environmental Laboratory Certification Program (ELCP) in accordance with National Environmental Laboratory Accreditation Program (NELAP) standards.

Data review was based on the US Environmental Protection Agency's National Functional Guidelines for Organic and Inorganic Data Review (EPA 1999 and 2004), the referenced EPA methods and project-specific control limits. Where specific guidance is not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

2.0 Introduction

This Sample Delivery Group (SDG) includes the five soil samples listed on the cover sheet including dilutions and reanalysis as applicable. Analyses reviewed include:

- Hexavalent Chromium (SW-846 Method 7199)
- ICP Metals (SW-846 Method 6010B)
- ICP/MS Metals (SW-846 Method 6020A)
- Mercury (SW-846 Method 7471A)

Raw data review was not included in the Level III equivalent validation. The review was based primarily on Quality Control (QC) summary data provided by the laboratory. The following are definitions of the data qualifiers, in addition to the laboratory qualifiers, that may be used in this report.

J+	Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.
J-	Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.
J	Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.
R	Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.
UJ	Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
B	The compound or analyte was found in an associated blank as well as in the sample.
None	Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

3.0 Hexavalent Chromium (SW-846 Method 7199)

3.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

The laboratory analyzed Hexavalent Chromium by Method 7199 (ion chromatography). Table 2 of the RFI Work Plan and SAP for S-23, SS-11, and S-34 dated September 2015 states that Method 7196A (colorimetric) should be used for the analysis of Hexavalent Chromium. The chain-of-custody also requested Method 7196A. There should be no statistically significant difference in results obtained with method 7199 when compared with method 7196A. Sample preparation techniques for extracting and stabilizing hexavalent chromium are known to be critical (e.g., Method 3060A). The laboratory report did not state which prep method was used.

The MDL and EQL, for all samples, were higher than the required limits provided in Table 2 of the RFI Work Plan and SAP for S-23, SS-11, and S-34 dated September 2015. All sample results had detections above the project MDL, therefore, no qualification flags were applied to the data results.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15236 1S15237 1S15238 1S15239 1S15240	Hexavalent Chromium	Analysis by Method 7199 (ion chromatograph) rather than 7196A (colorimetric). The two methods are known to produce comparable results. No sample preparation method was specified.	None recommended
1S15236 1S15237 1S15238 1S15239 1S15240	Hexavalent Chromium	Reporting limits were higher than specified in the Work Plan and SAP. The analyte was detected in all samples.	None recommended

3.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation. No problems were noted

3.3 Holding Times

Samples are required to be extracted within 30 days of collection and then analyzed within 24 hours. All samples met required holding times.

3.4 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that all criteria for the initial calibration were met.

3.5 Calibration Verification

Calibration verification frequency and analysis criteria were met.

3.6 Method Blanks

No contaminant concentrations were found in the method blanks.

3.7 Matrix Spike (MS)

No matrix spikes were included with this batch of samples.

3.8 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for the batch. The percent recoveries (%R) were within QC limits.

3.9 Laboratory Duplicates

Laboratory duplicate results (RPD) were within specified limits.

3.10 Field Duplicates

No samples were identified as field duplicates. Therefore, this parameter was not evaluated.

3.11 Overall Assessment of Data

No qualification of the Hexavalent Chromium data is recommended by this review.

4.0 ICP Metals (SW-846 Method 6010B)

4.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

The MDLs and EQLs, for antimony, beryllium, chromium, lead, nickel, selenium, thallium and zinc, were higher than the limits specified in Table 2 of the RFI Work Plan and SAP for S-23, SS-11, and S-34 dated September 2015. This table is interpreted to by “typical” limits rather than “required” limits and minor differences are due to sample preparation factors.

For example, the SAP specifies an MDL for antimony of 2.0 mg/kg and an EQL of 10 mg/kg. For sample 1S15236 the lab reported as 2.8J ug/g with an MDL of 2.3 and an EQL of 11.5.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15236 1S15237 1S15238 1S15239 1S15240	antimony, beryllium, chromium, lead, nickel, selenium, thallium and zinc	MDL and EQLs were higher than specified in the SAP. Those values are interpreted to be "typical" rather than "required" limits.	None recommended

4.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted

4.3 Holding Times

Samples are required to be analyzed within 180 days of collection. All samples were analyzed within required holding times.

4.4 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations.

The ICVs were within acceptance criteria.

4.5 Calibration Verification

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 10.0% for all target analytes.

4.6 Method Blanks/Calibration Blanks

No contaminant concentrations were found in the method blanks. The ending calibration blank showed slightly high contamination for copper (reported 6.2J ug/L). Based on the 10x contamination rule, it is recommended that the detected results for copper be flagged "J+". The sample results should be considered estimated and are possibly biased high.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15236 1S15237 1S15238 1S15239 1S15240	Copper	The ending calibration blank for copper was high.	J+ for detects

4.7 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD recoveries were within QC acceptance limits, as well as the %RPD, with the following exceptions:

Antimony was recovered low, below acceptance limits in both the MS and MSD. The laboratory noted acid matrix interference on Antimony in the MS and MSD. It is recommended that results for antimony, both detections and non-detect, be flagged "J-" and "UJ", respectively. The sample results should be considered estimated and are possibly biased low.

Zinc was recovered low on the MS and high on the MSD. The %RPD for zinc was high outside acceptable limits. The laboratory noted the soil sample was nonhomogeneous. It is recommended that detected results for zinc be flagged "J" and considered estimated.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15236	Antimony	MS/MSD recovery was below method limits	J- for detects UJ for non-detects
1S15236	Zinc	MS/MSD RPD was above method limits	J for detects

4.8 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for the batch. The percent recoveries (%R) were within QC limits.

4.9 Laboratory Duplicates

Laboratory duplicate results (RPD) were within specified limits.

4.10 Target Compound Identification

Raw data were not reviewed for this SDG.

4.11 System Performance

Raw data were not reviewed for this SDG.

4.12 Sample Result Verification

Raw data were not reviewed for this SDG.

4.13 Field Duplicates

No field duplicates were identified in this SDG.

4.14 Field Blanks

No field blank accompanied these samples.

4.15 Overall Assessment of Data

Data flags are summarized in the final section of this report.

5.0 ICP/MS Metals (SW-846 Method 6020A)

5.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

Table 2 of the RFI Work Plan and SAP for S-23, SS-11, and S-34 dated September 2015 specifies arsenic by Method 6010B. The chain-of-custody requested Method 6020A for arsenic. The laboratory analyzed arsenic by Method 6020A.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15236	Arsenic	Arsenic was determined by Method 6020A (ICP/MS) rather than 6010B (ICP). The two methods are known to produce comparable results.	None Recommended

5.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted

5.3 Holding Times

Samples are required to be analyzed within 180 days of collection. All samples were analyzed within required holding times.

5.4 ICP/MS Instrument Performance Checks

It was assumed that the ICP-MS passed the required instrument performance checks prior to sample analysis.

5.5 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations.

The ICVs were within acceptance criteria.

5.6 Calibration Verification

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 10.0% for all target analytes.

5.7 Method Blanks

No contaminant concentrations were found in the method blanks.

5.8 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

No matrix spikes/matrix spike duplicates were included with this batch of samples.

5.9 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

5.10 Laboratory Duplicates

Laboratory duplicate results (RPD) were within specified limits.

5.11 Internal Standards

The Internal Standards summary was not provided with the laboratory report. It was assumed that all internal standard areas were within QC limits in the ICP-MS analyses.

5.12 Target Compound Identification

Raw data were not reviewed for this SDG.

5.13 System Performance

Raw data were not reviewed for this SDG.

5.14 Sample Result Verification

Raw data were not reviewed for this SDG.

5.15 Field Duplicates

No field duplicates were identified in this SDG.

5.16 Field Blanks

No field blanks accompanied these samples.

5.17 Overall Assessment of Data

No qualification of the ICP-MS Metals data is recommended by this review.

6.0 Mercury (SW-846 Method 7471A)

6.1 Method Certification

At the time of this review, the laboratory was properly accredited by the State of Utah through the National Environmental Laboratory Accreditation Program (NELAP) to analyze samples using this method.

6.2 Sample Receipt

The chain-of-custodies were reviewed for accuracy, completeness and evidence of correct sample preservation (thermal and chemical). No problems were noted

6.3 Holding Times

Samples are required to be analyzed within 28 days of collection. All samples were analyzed within required holding times.

6.4 Initial Calibration

The Initial Calibration was not included with the laboratory report. It was assumed that the initial calibration was performed using required standard concentrations. No ICVs were included on the laboratory QC Summary Report.

6.5 Calibration Verification

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 10.0% for all target analytes.

6.6 Method Blanks

No contaminant concentrations were found in the method blanks.

6.7 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

The matrix spikes/matrix spike duplicates were within acceptable QC limits.

6.8 Laboratory Control Samples (LCSs)

Laboratory control samples were reviewed for the batch. The percent recoveries (%R) were within QC limits.

6.9 Laboratory Duplicates

The laboratory duplicate for sample 1510021-03A1 was outside of acceptable criteria. The laboratory noted that the sample was not homogenous.

Sample(s)	Analyte(s)	Notes	Validation Qualifiers
1S15238	Mercury	The laboratory duplicate RPD failed for this parameter but both results were below the MDL.	None recommended

6.10 System Performance

Raw data were not reviewed for this SDG.

6.11 Sample Result Verification

Raw data were not reviewed for this SDG.

6.12 Field Duplicates

No field duplicates were identified in this SDG.

6.13 Field Blanks

No field blank accompanied these samples.

6.14 Overall Assessment of Data

No qualification of the Mercury data is recommended by this review.

APPENDIX D

S-23 CONFIRMATION SAMPLE RESULT

CHEMTECH-FORD
LABORATORIES

2/29/2016

Work Order: 16B0774

Orbital ATK - Bacchus

Attn: Ron Bowlin

P.O. Box 98 M/S X7H7

Magna, UT 84044

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By: _____

Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16B0774-01

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 10:00 AM
Sample Site:	1S16038	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	86.8	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	7.34	1.65	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Arsenic, Total	7.54	8.23	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	J
Beryllium, Total	0.426	0.411	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Cadmium, Total	1.23	0.411	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Chromium, Total	25.1	0.411	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Copper, Total	49.5	0.411	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Lead, Total	509	4.11	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Mercury, Total	0.06	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	12.0	0.411	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
Selenium, Total	3.86	4.11	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	J
Silver, Total	ND	4.11	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:07	
Thallium, Total	ND	16.5	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:07	
Zinc, Total	84.5	0.82	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:23	
TCLP Metals							
Arsenic, TCLP	0.10	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:36	J
Cadmium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:36	
Chromium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:36	
Lead, TCLP	0.54	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:36	
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:36	
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:36	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16B0774-02

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 10:10 AM
Sample Site:	1S16039	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	86.7	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	8.03	1.62	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Arsenic, Total	9.54	8.12	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Beryllium, Total	0.494	0.406	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Cadmium, Total	1.40	0.406	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Chromium, Total	31.1	0.406	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Copper, Total	65.5	0.406	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Lead, Total	697	4.06	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Mercury, Total	0.06	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	12.3	0.406	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Selenium, Total	4.23	4.06	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
Silver, Total	ND	4.06	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:11	
Thallium, Total	ND	16.2	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:11	
Zinc, Total	105	0.81	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:27	
TCLP Metals							
Arsenic, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:47	
Cadmium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:47	
Chromium, TCLP	0.007	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:47	J
Lead, TCLP	0.76	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:47	
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:47	
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:47	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16B0774-03

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 10:20 AM
Sample Site:	1S16040	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	87.8	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	6.61	1.65	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Arsenic, Total	8.42	8.25	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Beryllium, Total	0.449	0.413	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Cadmium, Total	1.09	0.413	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Chromium, Total	29.4	0.413	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Copper, Total	46.4	0.413	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Lead, Total	508	4.13	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Mercury, Total	0.05	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	10.5	0.413	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
Selenium, Total	3.39	4.13	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	J
Silver, Total	ND	4.13	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:14	
Thallium, Total	ND	16.5	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:14	
Zinc, Total	83.3	0.83	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:31	
TCLP Metals							
Arsenic, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:51	
Cadmium, TCLP	0.037	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:51	J
Chromium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:51	
Lead, TCLP	0.61	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:51	
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:51	
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:51	

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Lab Sample No.: 16B0774-04

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 10:30 AM
Sample Site:	1S16041	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	87.6	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	8.80	1.68	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Arsenic, Total	9.13	8.39	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Beryllium, Total	0.530	0.420	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Cadmium, Total	1.20	0.420	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Chromium, Total	27.8	0.420	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Copper, Total	55.8	0.420	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Lead, Total	308	4.20	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Mercury, Total	0.05	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	13.5	0.420	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Selenium, Total	4.69	4.20	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
Silver, Total	ND	4.20	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:18	
Thallium, Total	ND	16.8	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:18	
Zinc, Total	83.1	0.84	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:35	
TCLP Metals							
Arsenic, TCLP	0.15	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:55	J
Cadmium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:55	
Chromium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:55	
Lead, TCLP	0.15	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:55	J
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:55	
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:55	

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LABORATORIES

Certificate of Analysis

Lab Sample No.: 16B0774-05

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 10:40 AM
Sample Site:	1S16042	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	88.6	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	7.34	1.64	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Arsenic, Total	8.05	8.18	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	J
Beryllium, Total	0.447	0.409	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Cadmium, Total	1.15	0.409	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Chromium, Total	31.4	0.409	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Copper, Total	54.4	0.409	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Lead, Total	604	4.09	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Mercury, Total	0.04	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	12.0	0.409	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
Selenium, Total	3.58	4.09	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	J
Silver, Total	ND	4.09	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:22	
Thallium, Total	ND	16.4	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:22	
Zinc, Total	86.2	0.82	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:51	
TCLP Metals							
Arsenic, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:59	
Cadmium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:59	
Chromium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:59	
Lead, TCLP	0.80	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:59	
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	0.07	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:59	J
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 16:59	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16B0774-06

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 10:50 AM
Sample Site:	1S16043	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	88.2	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	7.12	1.80	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Arsenic, Total	11.1	9.00	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Beryllium, Total	0.457	0.450	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Cadmium, Total	1.21	0.450	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Chromium, Total	29.2	0.450	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Copper, Total	54.7	0.450	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Lead, Total	611	4.50	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Mercury, Total	0.06	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	11.8	0.450	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
Selenium, Total	4.05	4.50	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	J
Silver, Total	ND	4.50	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:26	
Thallium, Total	ND	18.0	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:26	
Zinc, Total	96.0	0.90	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:55	
TCLP Metals							
Arsenic, TCLP	0.13	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:03	J
Cadmium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:03	
Chromium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:03	
Lead, TCLP	0.91	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:03	
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:03	
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:03	

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LABORATORIES

Certificate of Analysis

Lab Sample No.: 16B0774-07

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	2/19/2016 11:00 AM
Sample Site:	1S16044	***Receipt Date:***	2/19/2016 4:15 PM
Comments:	Grab	***Sampler:***	Ron Bowlin
Sample Matrix:	Solid	***Project:***	
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	88.7	0.1	%	SM 2540G	02/22/2016 03:00	2/22/2016 13:00	
Metals							
Antimony, Total	6.17	1.37	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Arsenic, Total	7.48	6.87	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Beryllium, Total	0.390	0.344	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Cadmium, Total	1.11	0.344	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Chromium, Total	21.7	0.344	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Copper, Total	49.6	0.344	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Lead, Total	559	3.44	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Mercury, Total	0.06	0.03	mg/kg dry	EPA 7471A	02/22/2016 08:30	2/22/2016 14:15	
Nickel, Total	9.83	0.344	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Selenium, Total	3.53	3.44	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
Silver, Total	ND	3.44	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:29	
Thallium, Total	ND	13.7	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 14:29	
Zinc, Total	75.8	0.69	mg/kg dry	EPA 6010B/3050B	02/24/2016 08:00	2/25/2016 12:59	
TCLP Metals							
Arsenic, TCLP	0.10	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:07	J
Cadmium, TCLP	ND	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:07	
Chromium, TCLP	0.007	0.050	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:07	J
Lead, TCLP	0.84	0.20	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:07	
Mercury, TCLP	ND	0.0002	mg/L	EPA 7470A/1311	02/25/2016 09:46	2/25/2016 12:12	
Selenium, TCLP	ND	0.50	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:07	
Silver, TCLP	ND	0.05	mg/L	EPA 6010B/1311/3010A	02/25/2016 09:29	2/25/2016 17:07	

Orbital ATK

Propulsion Systems
P.O. BOX 98 MAGNA, UTAH 84404

Environmental Lab Work Request

GENERAL INFORMATION

LAB:	Chemtech-Ford	COLLECTED BY:	R. Bowlin	COMPANY:	Orbital ATK PROPULSIOI	TITLE:	ENVIRO ENG
PO #	ATK-90424	PROJECT NAME: The Range	COLLECTION LOCATION:	S-23		CONTACT:	Ron Bowlin
M-53 PROJ_ID WPKG:			MATERIAL SAMPLED: Soil			EMAIL:	**ronald.bowlin@orbitalatk.com**

B0774

SAMPLE INFORMATION

	SAMPLE NUMBER	DATE	TIME	METHOD	BOTTLE	PRESERVATIVE	ANALYSIS REQUESTED	NOTE
01	1S16038	2/19/2016	1000	Grab	2 – 8oz glass	Cool	EPA 6010B: (Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn) EPA 7471A: Hg EPA 1311: TCLP (As, Cd, Cr, Pb, Hg, Se, Ag)	
02	1S16039	2/19/2016	1010	Grab	2 – 8oz glass	Cool		
03	1S16040	2/19/2016	1020	Grab	2 – 8oz glass	Cool		
04	1S16041	2/19/2016	1030	Grab	2 – 8oz glass	Cool		
05	1S16042	2/19/2016	1040	Grab	2 – 8oz glass	Cool		
06	1S16043	2/19/2016	1050	Grab	2 – 8oz glass	Cool		
07	1S16044	2/19/2016	1100	Grab	2 – 8oz glass	Cool		

6.4°C

Report Basis:	☐ As Received	☒ Dry Weight	☒ % Moisture	**NOTE:**

CHAIN OF CUSTODY

RELINGUISHED BY	RECEIVED BY	DATE	TIME
[illegible]	Ben White	2/19/16	1615

CHEMTECH FORD LABORATORIES

Sample Receipt

CHEMTECH-FORD LABORATORIES

Work Order # B0774

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☐ FedEx
- ☐ Chemtech Courier
- ☑ Walk-in
- ☐ Customer Courier

Receiving Temperature 6.4 °C

Sample #	Container	Chemtech Lot # Preservative	Multiphase/Sub-sample	Preservative Added (Type/Vol)	Preserved in Receiving Laboratory	Filtered in Field by Client	Misc Volume (g/ml)	Comments
01-07	G(2)						8 oz	

Sample Condition (check if yes)

- ☐ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficent Sample Volume
- ☐ Headspace Present (VOC)
- ☐ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- E- Coliform/Ecoli/HPC
- F- Sulfide Qt (Zn Acetate)
- L- Mercury 1631
- M- Metals Pint (HNO3)
- N- Nutrient Pint (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cups/Tubs
- Q- Plastic Bag

Glass Containers

- D- 625 (Na2S2O3)
- G- Glass Unpreserved
- H- HAAs (NH4Cl)
- J- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA, Na2S2O3)
- V- 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 624/504 (Na2S2O3)
- Z- Miscellaneous Glass

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

J = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

FINAL CONFIRMATION SAMPLE RESULTS

CHEMTECH-FORD
LABORATORIES

4/6/2016

Work Order: 16C0985

Orbital ATK - Bacchus

Attn: Ron Bowlin

P.O. Box 98 M/S X7H7

Magna, UT 84044

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By: _____

Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16C0985-01

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	3/21/2016 10:45 AM
Sample Site:	1S16074	***Receipt Date:***	3/24/2016 11:40 AM
Comments:	Grab	***Sampler:***	R. Bowlin
Sample Matrix:	Solid	***Project:***	Range SWMUs/S-23
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	93.0	0.1	%	SM 2540G	04/04/2016 06:00	4/4/2016 6:00	
Metals							
Arsenic, Total	5.01	4.98	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 17:56	
Barium, Total	80.2	0.249	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 17:56	
Cadmium, Total	0.329	0.249	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 17:56	
Chromium, Total	26.0	0.448	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:29	
Lead, Total	9.06	4.48	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:29	
Mercury, Total	0.007	0.01	mg/kg dry	EPA 7471A	03/28/2016 13:40	3/29/2016 12:15	J
Selenium, Total	3.33	2.49	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 17:56	
Silver, Total	ND	2.49	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/31/2016 14:00	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16C0985-02

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	3/21/2016 10:50 AM
Sample Site:	1S16075	***Receipt Date:***	3/24/2016 11:40 AM
Comments:	Grab	***Sampler:***	R. Bowlin
Sample Matrix:	Solid	***Project:***	Range SWMUs/S-23
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	94.1	0.1	%	SM 2540G	04/04/2016 06:00	4/4/2016 6:00	
Metals							
Arsenic, Total	4.41	5.48	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:00	J
Barium, Total	69.3	0.274	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:00	
Cadmium, Total	0.318	0.274	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:00	
Chromium, Total	24.2	0.450	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:33	
Lead, Total	10.6	4.50	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:33	
Mercury, Total	0.006	0.02	mg/kg dry	EPA 7471A	03/28/2016 13:40	3/29/2016 12:15	J
Selenium, Total	2.55	2.74	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:00	J
Silver, Total	ND	2.74	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/31/2016 14:04	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16C0985-03

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	3/21/2016 11:05 AM
Sample Site:	1S16076	***Receipt Date:***	3/24/2016 11:40 AM
Comments:	Grab	***Sampler:***	R. Bowlin
Sample Matrix:	Solid	***Project:***	Range SWMUs/S-23
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	94.9	0.1	%	SM 2540G	04/04/2016 06:00	4/4/2016 6:00	
Metals							
Arsenic, Total	5.84	7.63	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:04	J
Barium, Total	74.9	0.382	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:04	
Cadmium, Total	0.329	0.382	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:04	J
Chromium, Total	26.7	0.432	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:36	
Lead, Total	14.4	4.32	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:36	
Mercury, Total	0.01	0.03	mg/kg dry	EPA 7471A	03/28/2016 13:40	3/29/2016 12:15	J
Selenium, Total	2.61	3.82	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:04	J
Silver, Total	ND	3.82	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/31/2016 14:07	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16C0985-04

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	3/21/2016 11:15 AM
Sample Site:	1S16077	***Receipt Date:***	3/24/2016 11:40 AM
Comments:	Grab	***Sampler:***	R. Bowlin
Sample Matrix:	Solid	***Project:***	Range SWMUs/S-23
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	93.6	0.1	%	SM 2540G	04/04/2016 06:00	4/4/2016 6:00	
Metals							
Arsenic, Total	5.72	6.85	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:08	J
Barium, Total	62.3	0.342	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:08	
Cadmium, Total	0.201	0.342	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:08	J
Chromium, Total	20.6	0.399	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:40	
Lead, Total	53.6	3.99	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:40	
Mercury, Total	ND	0.03	mg/kg dry	EPA 7471A	03/28/2016 13:40	3/29/2016 12:15	
Selenium, Total	ND	3.42	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:08	
Silver, Total	ND	3.42	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/31/2016 14:11	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 16C0985-05

Name:	**Orbital ATK - Bacchus**	***Sample Date:***	3/21/2016 11:25 AM
Sample Site:	1S16078	***Receipt Date:***	3/24/2016 11:40 AM
Comments:	Grab	***Sampler:***	R. Bowlin
Sample Matrix:	Solid	***Project:***	Range SWMUs/S-23
PO Number:	ATK-90424		

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Solids	93.6	0.1	%	SM 2540G	04/04/2016 06:00	4/4/2016 6:00	
Metals							
Arsenic, Total	5.15	7.21	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:11	J
Barium, Total	73.9	0.361	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:11	
Cadmium, Total	0.216	0.361	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:11	J
Chromium, Total	33.7	0.438	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:44	
Lead, Total	14.7	4.38	mg/kg dry	EPA 6010B/3050B	04/01/2016 08:30	4/5/2016 18:44	
Mercury, Total	ND	0.03	mg/kg dry	EPA 7471A	03/28/2016 13:40	3/29/2016 12:15	
Selenium, Total	1.29	3.61	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/30/2016 18:11	J
Silver, Total	ND	3.61	mg/kg dry	EPA 6010B/3050B	03/28/2016 13:45	3/31/2016 14:15	

Orbital ATK

Propulsion Systems
P.O. BOX 98 MAGNA, UTAH 84404

Environmental Lab Work Request

GENERAL INFORMATION

LAB:	Chemtech-Ford	COLLECTED BY:	R. Bowlin	COMPANY:	Orbital ATK		TITLE:
PO #	ATK-90424	PROJECT NAME: Range SWMUs		COLLECTION LOCATION:	S-23	CONTACT:	Ron Bowlin
M-53 PROJ_ID WPKG:			MATERIAL SAMPLED: Soil			EMAIL:	**ronald.bowlin@orbitalatk.com**

C0985

SAMPLE INFORMATION

	SAMPLE NUMBER	DATE	TIME	METHOD	BOTTLE	PRESERVATIVE	ANALYSIS REQUESTED	NOTE
01	1S16074	3/21/2016	1045	Grab	1 – 8 oz glass	4C	EPA 6010B: RCRA Metals	
02	1S16075	3/21/2016	1050	Grab	1 – 8 oz glass	4C		
03	1S16076	3/21/2016	1105	Grab	1 – 8 oz glass	4C		
04	1S16077	3/21/2016	1115	Grab	1 – 8 oz glass	4C		
05	1S16078	3/21/2016	1125	Grab	1 – 8 oz glass	4C		

Report Basis: *(Record "X" in applicable box)*		As Received	X	Dry Weight		% Moisture	**NOTE:**

CHAIN OF CUSTODY

RELINGUISHED BY	RECEIVED BY	DATE	TIME
[signature] 1140	[signature]	3/21/16 1140	

on ice Temp: 2.6°C

Work Order # C0985

CHEMTECH FORD LABORATORIES

Sample Receipt

CHEMTECH-FORD LABORATORIES

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☐ FedEx
- ☐ Chemtech Courier
- ☑ Walk-in
- ☐ Customer Courier

Receiving Temperature 2.6 °C

Sample #	Container	Chemtech Lot # / Preservative	Metals	Cyanide	Sulfide	Phenols	Misc. Volume (gr/ml)	Comments
01-05	G						803	

Sample Condition (check if yes)

- ☐ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficent Sample Volume
- ☐ Headspace Present (VOC)
- ☐ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

A- Plastic Unpreserved
B- Miscellaneous Plastic
C- Cyanide Qt (NaOH)
E- Coliform/Ecoli/HPC
F- Sulfide Qt (Zn Acetate)
L- Mercury 1631
M- Metals Pint (HNO3)
N- Nutrient Pint (H2SO4)
R- Radiological (HNO3)
S- Sludge Cups/Tubs
Q- Plastic Bag

Glass Containers

D- 625 (Na2S2O3)
G- Glass Unpreserved
H- HAAs (NH4Cl)
J- 508/515/525 (Na2SO3)
K- 515.3 Herbicides
O- Oil & Grease (HCl)
P- Phenols (H2SO4)
T- TOC/TOX (H3PO4)
U- 531 (MCAA, Na2S2O3)
V- 524/THMs (Ascorbic Acid)
W- 8260 VOC (1:1 HCl)
X- Vial Unpreserved
Y- 624/504 (Na2S2O3)
Z- Miscellaneous Glass

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

J = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

J = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

APPENDIX E

VAPOR INTRUSION SCREENING MODEL RUNS

1,2,4-TRIMETHYLBENZENE

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **1,2,4-Trimethylbenzene**

Results Summary

Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
2.60E+00	1.1E-03	3.0E-03	NA	4.0E-04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
95636	2.60E+00			1,2,4-Trimethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054		5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24	0.5
					(NEW)	(NEW)

END

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: Residential
Chemical: 1,2,4-Trimethylbenzene

Results Summary

Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
4.40E+00	1.1E-03	5.0E-03	NA	6.8E-04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
95636	4.40E+00			1,2,4-Trimethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

S34-SG4

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **1,2,4-Trimethylbenzene**

Results Summary

Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
1.50E+01	1.1E-03	1.7E-02	NA	2.3E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
95636	1.50E+01			1,2,4-Trimethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

S34-SG1

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **1,3-Butadiene**

Results Summary

Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
8.30E+00	1.4E-03	1.2E-02	7.2E-07	5.7E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
106990	8.30E+00			1,3-Butadiene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054		5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24	0.5
					(NEW)	(NEW)

END

1,3-BUTADIENE

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

S34-SG2

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **1,3-Butadiene**

Results Summary

Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
5.30E+00	1.4E-03	7.6E-03	4.6E-07	3.7E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
106990	5.30E+00			1,3-Butadiene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

S34-SG4

Scenario: **Residential**
Chemical: **1,3-Butadiene**

DATA ENTRY SHEET

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
106990	1.80E+01			1,3-Butadiene

Results Summary

Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
1.80E+01	1.4E-03	2.6E-02	1.6E-06	1.2E-02

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054		5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

S34-SG5

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **1,3-Butadiene**

Results Summary

Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
3.20E+00	1.4E-03	4.6E-03	2.8E-07	2.2E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
106990	3.20E+00			1,3-Butadiene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054		5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24	0.5
					(NEW)	(NEW)

END

BENZENE

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

S34-SG1

Scenario: **Residential**
Chemical: **Benzene**

DATA ENTRY SHEET

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	2.80E+01			Benzene

MESSAGE: See VLOOKUP table comments on chemical properties and/or toxicity criteria for this chemical.

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

Lookup Soil Parameters

ENTER Vandose zone SCS soil type	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

Results Summary

Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
2.80E+01	1.4E-03	3.8E-02	4.0E-07	1.2E-02

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

S34-SG2

Scenario: **Residential**
Chemical: **Benzene**

DATA ENTRY SHEET

Results Summary				
Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
2.10E+01	1.4E-03	2.9E-02	3.0E-07	9.2E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	2.10E+01			Benzene

MESSAGE: See VLOOKUP table comments on chemical properties and/or toxicity criteria for this chemical.

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

S34-SG3

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **Benzene**

Results Summary				
Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
2.60E+00	1.4E-03	3.6E-03	3.7E-08	1.1E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	2.60E+00			Benzene

MESSAGE: See VLOOKUP table comments on chemical properties and/or toxicity criteria for this chemical.

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

S34-SG4

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **Benzene**

Results Summary				
Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
5.30E+01	1.4E-03	7.3E-02	7.5E-07	2.3E-02

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	5.30E+01			Benzene

MESSAGE: See VLOOKUP table comments on chemical properties and/or toxicity criteria for this chemical.

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

S34-SG5

Scenario: **Residential**
Chemical: **Benzene**

DATA ENTRY SHEET

Results Summary				
Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
1.10E+01	1.4E-03	1.5E-02	1.6E-07	4.8E-03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	1.10E+01			Benzene

MESSAGE: See VLOOKUP table comments on chemical properties and/or toxicity criteria for this chemical.

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

CHLOROFORM

S34-SG2

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **Chloroform**

Results Summary				
Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
3.80E+00	1.3E-03	4.9E-03	4.0E-08	4.8E-05

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
67663	3.80E+00			Chloroform

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

S34-SG3

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

Scenario: **Residential**
Chemical: **Chloroform**

DATA ENTRY SHEET

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
67663	8.80E+00			Chloroform

Results Summary

Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
8.80E+00	1.3E-03	1.1E-02	9.2E-08	1.1E-04

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

ETHYLBENZENE

S34-SG1

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **Ethylbenzene**

Results Summary				
Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
3.10E+00	1.2E-03	3.8E-03	3.3E-09	3.6E-06

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
100414	3.10E+00			Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24	0.5
					(NEW)	(NEW)

END

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

S34-SG2

Scenario: **Residential**
Chemical: **Ethylbenzene**

DATA ENTRY SHEET

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
100414	4.60E+00			Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054		5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24	0.5
					(NEW)	(NEW)

END

Results Summary

Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
4.60E+00	1.2E-03	5.6E-03	5.0E-09	5.3E-06

S34-SG4

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

DATA ENTRY SHEET

Scenario: **Residential**
Chemical: **Ethylbenzene**

Results Summary

Soil Gas Conc. ($\mu g/m^3$)	Attenuation Factor (unitless)	Indoor Air Conc. ($\mu g/m^3$)	Cancer Risk	Noncancer Hazard
8.40E+00	1.2E-03	1.0E-02	9.1E-09	9.7E-06

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
100414	8.40E+00			Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054	5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH $(hour)^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

USEPA SG-SCREEN
Version 2.0, 04/2003

DTSC Modification
December 2014

S34-SG5

Department of Toxic Substances Control
Vapor Intrusion Screening Model - Soil Gas

Scenario: **Residential**
Chemical: **Ethylbenzene**

DATA ENTRY SHEET

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m^3)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
100414	2.60E+00			Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	152	24	S		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
S	1.66	0.375	0.054		5

MORE ↓

Lookup Receptor Parameters

	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour)$^{-1}$
NEW=> Residential	70	26	26	350	24 (NEW)	0.5 (NEW)

END

Results Summary

Soil Gas Conc. (µg/m^3)	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m^3)	Cancer Risk	Noncancer Hazard
2.60E+00	1.2E-03	3.1E-03	2.8E-09	3.0E-06